

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAMMA LX1GAM4LB57.IES

DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST]170234
[TESTLAB]Radiant Zemax ProSource
[ISSUEDATE]11/23/2017 11:50:44 AM
[TESTDATE]20-Nov-2017 14:05:42
[MANUFAC]ABTECH
[LAMP]GAMMA LX1GAM4LB57
[NUMBEROFRAYS]10000000
[OTHER]Absolute Photometry measurement

Note: Candela values converted from Type-C to Type-B

CHARACTERISTICS

NEMA Type	7 H x 7 V
Maximum Candela	4144.727
Maximum Candela Angle	7H 1V
Horizontal Beam Angle (50%)	107.2
Vertical Beam Angle (50%)	111.1
Horizontal Field Angle (10%)	147.0
Vertical Field Angle (10%)	149.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	8616
Beam Efficiency	N.A.
Field Lumens	10821
Field Efficiency	N.A.
Spill Lumens	203
Luminaire Lumens	11024
Total Efficiency	N.A.
Total Luminaire Watts	79
Ballast Factor	1.00



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AXIAL CANDELA

DEG.	HOR.	DEG.	VERT.
90	6.142	90	9.609
85	24.302	85	31.449
75	344.683	75	431.74
65	1121.402	65	1284.192
55	1970.369	55	2198.993
47.5	2624.021	47.5	2773.913
42.5	2965.409	42.5	3099.037
37.5	3248.469	37.5	3389.18
33	3476.832	33	3579.735
29	3639.967	29	3690.731
25.5	3755.646	25.5	3777.088
22.5	3851.437	22.5	3847.931
19.5	3946.822	19.5	3915.141
17	4017.669	17	3965.657
15	4066.661	15	4002.16
13	4099.992	13	4030.411
11	4125.214	11	4054.223
9	4142.327	9	4073.598
7	4144.672	7	4086.475
5	4141.044	5	4097.166
3	4131.441	3	4105.671
1	4116.573	1	4107.983
0	4109.139	0	4109.139
-1	4101.73	-1	4106.329
-3	4086.913	-3	4100.709
-5	4068.653	-5	4089.284
-7	4046.182	-7	4075.741
-9	4019.5	-9	4060.08
-11	3982.912	-11	4035.693
-13	3941.548	-13	4005.4
-15	3895.408	-15	3969.2
-17	3844.425	-17	3929.287
-19.5	3779.961	-19.5	3882.409
-22.5	3699.347	-22.5	3827.831
-25.5	3610.645	-25.5	3766.507
-29	3493.328	-29	3677.855
-33	3342.512	-33	3549.434
-37.5	3150.919	-37.5	3332.146
-42.5	2897.119	-42.5	3014.929
-47.5	2559.654	-47.5	2661.791
-55	1933.064	-55	2064.43
-65	1030.751	-65	1161.88
-75	251.374	-75	351.974
-85	1.569	-85	15.206
-90	1.232	-90	5.26

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CANDELA TABULATION

Maximum Candela = 4144.727

Beam Edge = 2072.3635 Cd (50% of Max.)

Field Edge = 414.4727 Cd (10% of Max.)

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>-90.0</u>	<u>-85.0</u>	<u>-75.0</u>	<u>-65.0</u>	<u>-55.0</u>	<u>-47.5</u>	<u>-42.5</u>	<u>-37.5</u>	<u>-33.0</u>	<u>-29.0</u>
90.0	1.233	0.628	0.222	0.592	0.978	1.230	1.300	2.629	4.958	6.618
85.0	1.233	0.692	0.675	1.141	2.710	6.096	9.523	13.393	17.119	20.159
75.0	1.232	0.816	2.105	9.800	51.354	111.381	150.506	189.751	234.114	274.080
65.0	1.232	0.911	6.422	68.133	246.087	436.282 *	571.934 *	723.712 *	833.608 *	937.855 *
55.0	1.232	0.948	24.951	215.438	581.179 *	921.793 *	1165.456 *	1401.294 *	1608.420 *	1761.392 *
47.5	1.231	1.118	54.771	378.637	883.008 *	1332.083 *	1655.170 *	1949.038 *	2152.571 *	2294.387 *
42.5	1.231	1.251	78.393	486.829 *	1077.755 *	1576.481 *	1936.313 *	2234.644 *	2429.435 *	2585.516 *
37.5	1.231	1.366	99.890	591.438 *	1255.058 *	1774.118 *	2119.975 *	2436.871 *	2645.271 *	2810.022 *
33.0	1.231	1.452	130.979	674.438 *	1390.834 *	1931.907 *	2276.263 *	2592.297 *	2816.589 *	2971.985 *
29.0	1.231	1.515	158.679	746.197 *	1503.783 *	2059.462 *	2418.188 *	2724.096 *	2932.873 *	3074.060 *
25.5	1.231	1.559	180.127	803.529 *	1596.935 *	2162.772 *	2535.812 *	2821.574 *	3007.898 *	3149.539 *
22.5	1.231	1.589	196.370	846.805 *	1669.602 *	2244.978 *	2618.295 *	2888.911 *	3058.218 *	3218.589 *
19.5	1.231	1.611	210.585	889.131 *	1735.106 *	2328.244 *	2689.021 *	2947.030 *	3121.760 *	3274.565 *
17.0	1.231	1.624	220.852	920.487 *	1782.869 *	2387.069 *	2744.048 *	2986.045 *	3172.241 *	3329.699 *
15.0	1.231	1.630	228.017	943.387 *	1816.216 *	2426.946 *	2777.248 *	3019.322 *	3208.972 *	3371.260 *
13.0	1.231	1.633	234.241	964.599 *	1845.126 *	2460.528 *	2805.730 *	3053.194 *	3245.439 *	3408.994 *
11.0	1.231	1.632	239.516	982.864 *	1869.981 *	2488.062 *	2831.752 *	3084.234 *	3278.669 *	3441.558 *
9.0	1.231	1.628	243.837	998.178 *	1890.846 *	2512.466 *	2854.673 *	3110.504 *	3305.541 *	3464.589 *
7.0	1.231	1.621	247.198	1010.540 *	1907.627 *	2531.705 *	2872.396 *	3129.871 *	3326.255 *	3481.313 *
5.0	1.231	1.610	252.605	1019.961 *	1920.238 *	2545.555 *	2885.413 *	3140.917 *	3337.793 *	3491.874 *
3.0	1.232	1.596	252.113	1026.453 *	1928.606 *	2554.707 *	2893.677 *	3147.959 *	3343.303 *	3495.594 *
1.0	1.232	1.579	251.621	1030.039 *	1932.665 *	2559.172 *	2897.166 *	3150.950 *	3344.503 *	3495.163 *
0.0	1.232	1.569	251.374	1030.751 *	1933.064 *	2559.654 *	2897.119 *	3150.919 *	3342.512 *	3493.328 *
-1.0	1.232	1.569	250.845	1029.435 *	1929.257 *	2557.267 *	2895.303 *	3149.249 *	3341.417 *	3491.059 *
-3.0	1.232	1.560	249.788	1024.644 *	1918.403 *	2548.978 *	2888.088 *	3142.889 *	3334.176 *	3483.293 *
-5.0	1.232	1.551	248.732	1016.964 *	1903.316 *	2535.960 *	2876.094 *	3132.576 *	3322.976 *	3471.402 *
-7.0	1.232	1.538	241.713	1006.381 *	1884.106 *	2518.177 *	2859.343 *	3118.421 *	3305.208 *	3451.090 *
-9.0	1.232	1.523	236.740	992.893 *	1860.893 *	2494.490 *	2837.880 *	3095.765 *	3275.541 *	3423.236 *
-11.0	1.232	1.506	230.773	976.499 *	1833.808 *	2464.713 *	2810.142 *	3066.699 *	3241.932 *	3388.862 *
-13.0	1.232	1.486	223.812	957.209 *	1802.986 *	2432.578 *	2778.804 *	3031.712 *	3204.587 *	3360.168 *
-15.0	1.232	1.465	215.854	935.035 *	1769.281 *	2394.867 *	2744.606 *	2992.511 *	3175.166 *	3333.324 *
-17.0	1.232	1.442	206.902	910.770 *	1734.407 *	2351.417 *	2705.691 *	2955.034 *	3146.077 *	3303.166 *
-19.5	1.232	1.410	194.318	877.138 *	1685.225 *	2289.074 *	2645.509 *	2913.605 *	3101.409 *	3257.427 *
-22.5	1.232	1.370	177.188	831.203 *	1618.425 *	2201.928 *	2574.289 *	2851.862 *	3038.476 *	3197.492 *
-25.5	1.232	1.328	157.868	780.142 *	1543.286 *	2113.645 *	2489.718 *	2779.246 *	2980.894 *	3124.634 *
-29.0	1.232	1.275	132.610	714.687 *	1445.543 *	2002.389 *	2368.800 *	2678.707 *	2900.740 *	3048.996 *
-33.0	1.232	1.214	100.250	635.211 *	1325.892 *	1865.908 *	2217.490 *	2541.575 *	2780.747 *	2944.958 *
-37.5	1.232	1.143	65.092	546.680 *	1185.743 *	1699.274 *	2028.767 *	2353.922 *	2591.157 *	2763.922 *
-42.5	1.232	1.063	48.028	439.879 *	1004.005 *	1499.789 *	1824.318 *	2105.947 *	2348.139 *	2519.229 *
-47.5	1.232	0.984	32.717	335.061	809.801 *	1262.834 *	1576.725 *	1838.256 *	2064.122 *	2208.867 *
-55.0	1.233	0.901	13.168	183.507	522.275 *	870.268 *	1105.004 *	1305.728 *	1492.750 *	1639.122 *
-65.0	1.233	0.885	3.386	54.023	202.889	392.186	515.104 *	638.948 *	719.828 *	797.869 *
-75.0	1.233	0.819	1.684	5.899	30.834	70.500	101.660	130.664	164.524	193.031
-85.0	1.234	0.728	0.837	1.331	2.218	3.849	5.546	7.240	8.778	9.840
-90.0	1.234	0.681	0.328	0.455	0.762	1.153	1.174	1.315	1.551	1.615

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	6.997	7.321	7.552	7.354	7.196	7.038	6.880	7.082	7.644	8.205
85.0	21.706	22.864	24.223	27.095	29.467	31.885	34.330	35.284	34.557	33.752
75.0	300.154	321.249	340.940	364.193	382.047	398.873	414.635 *	426.022 *	429.545 *	435.382 *
65.0	1020.623	*1074.800	*1116.678	*1147.831	*1173.496	*1196.607	*1215.861	*1231.606	*1248.492	*1262.383 *
55.0	1865.230	*1927.847	*1986.045	*2029.278	*2061.292	*2089.709	*2113.919	*2133.870	*2153.680	*2171.975 *

CANDELA TABULATION - (Cont.)

47.5	2401.698	*2487.962	*2544.891	*2586.050	*2617.693	*2651.375	*2678.724	*2700.041	*2717.419	*2738.423 *
42.5	2692.655	*2773.879	*2843.937	*2896.456	*2934.115	*2966.411	*2991.052	*3011.303	*3027.046	*3052.163 *
37.5	2928.632	*3011.051	*3088.249	*3146.114	*3191.021	*3234.241	*3268.516	*3296.120	*3321.802	*3345.951 *
33.0	3083.072	*3166.472	*3255.171	*3327.356	*3373.110	*3409.921	*3445.536	*3477.495	*3504.711	*3528.350 *
29.0	3185.881	*3285.538	*3371.978	*3440.234	*3484.514	*3522.908	*3559.569	*3590.120	*3613.715	*3634.929 *
25.5	3267.865	*3365.927	*3448.887	*3511.057	*3555.644	*3596.353	*3636.985	*3676.161	*3706.119	*3732.384 *
22.5	3332.595	*3425.693	*3509.334	*3572.016	*3616.874	*3655.595	*3698.885	*3743.646	*3779.633	*3806.907 *
19.5	3394.526	*3484.887	*3572.768	*3634.794	*3679.499	*3720.458	*3759.077	*3803.280	*3839.780	*3868.921 *
17.0	3440.239	*3531.887	*3619.913	*3684.774	*3728.989	*3771.584	*3810.282	*3846.962	*3881.827	*3912.959 *
15.0	3476.561	*3563.086	*3653.456	*3719.226	*3768.799	*3804.198	*3842.499	*3880.266	*3914.914	*3946.025 *
13.0	3513.076	*3594.887	*3683.510	*3752.977	*3795.291	*3835.492	*3871.725	*3910.542	*3945.611	*3975.509 *
11.0	3544.454	*3630.334	*3715.383	*3780.380	*3823.302	*3861.908	*3900.301	*3937.889	*3972.215	*4003.110 *
9.0	3569.695	*3661.451	*3747.096	*3804.164	*3845.209	*3883.949	*3922.687	*3962.252	*3996.819	*4022.307 *
7.0	3590.828	*3682.630	*3768.414	*3824.556	*3864.540	*3902.491	*3941.668	*3980.014	*4013.693	*4041.003 *
5.0	3606.990	*3696.718	*3778.153	*3837.252	*3879.655	*3920.191	*3961.181	*3995.253	*4028.751	*4054.044 *
3.0	3612.279	*3702.497	*3783.219	*3844.315	*3889.395	*3933.604	*3974.267	*4010.500	*4039.355	*4065.190 *
1.0	3612.348	*3701.588	*3782.271	*3845.645	*3895.563	*3940.777	*3982.314	*4020.173	*4045.684	*4068.072 *
0.0	3610.645	*3699.347	*3779.961	*3844.425	*3895.408	*3941.548	*3982.912	*4019.500	*4046.182	*4068.653 *
-1.0	3608.366	*3698.839	*3780.917	*3844.212	*3892.767	*3936.920	*3978.225	*4017.456	*4044.326	*4067.861 *
-3.0	3600.202	*3693.915	*3778.978	*3840.392	*3881.201	*3922.420	*3962.283	*4002.186	*4035.100	*4064.734 *
-5.0	3586.711	*3681.668	*3767.375	*3826.493	*3864.419	*3902.077	*3943.095	*3982.510	*4021.843	*4050.413 *
-7.0	3564.787	*3661.492	*3749.608	*3805.191	*3842.417	*3879.936	*3921.446	*3964.836	*4003.499	*4033.034 *
-9.0	3537.328	*3634.818	*3717.294	*3772.385	*3813.962	*3859.299	*3903.416	*3946.033	*3982.629	*4008.894 *
-11.0	3509.802	*3601.912	*3678.123	*3739.984	*3790.656	*3836.042	*3881.829	*3922.903	*3955.529	*3984.290 *
-13.0	3484.376	*3570.988	*3648.627	*3712.888	*3760.373	*3811.235	*3855.221	*3895.291	*3928.663	*3955.962 *
-15.0	3456.728	*3548.723	*3626.876	*3686.845	*3736.662	*3782.219	*3826.695	*3866.657	*3899.512	*3926.588 *
-17.0	3425.918	*3520.926	*3604.405	*3661.823	*3706.832	*3751.583	*3793.795	*3833.412	*3868.706	*3894.737 *
-19.5	3376.907	*3474.418	*3563.252	*3619.906	*3664.011	*3704.412	*3743.837	*3788.569	*3826.160	*3849.892 *
-22.5	3307.877	*3402.468	*3485.659	*3552.496	*3602.476	*3640.794	*3683.736	*3727.257	*3762.680	*3788.558 *
-25.5	3238.297	*3329.770	*3409.432	*3479.780	*3530.885	*3577.375	*3622.399	*3663.482	*3694.219	*3720.867 *
-29.0	3164.310	*3255.276	*3331.779	*3397.316	*3447.067	*3494.415	*3539.685	*3578.070	*3607.250	*3632.173 *
-33.0	3068.157	*3148.840	*3220.681	*3282.584	*3325.817	*3364.814	*3405.134	*3444.038	*3478.000	*3506.153 *
-37.5	2890.122	*2974.675	*3047.128	*3091.781	*3127.814	*3163.645	*3200.647	*3233.455	*3263.624	*3289.737 *
-42.5	2621.763	*2704.801	*2773.643	*2817.370	*2845.230	*2872.591	*2900.960	*2925.719	*2946.486	*2971.697 *
-47.5	2303.521	*2383.171	*2450.992	*2497.696	*2531.027	*2556.547	*2576.637	*2591.333	*2604.162	*2626.081 *
-55.0	1739.569	*1799.587	*1853.110	*1892.759	*1928.687	*1960.214	*1985.583	*2005.106	*2023.622	*2040.593 *
-65.0	874.995 *	935.267 *	984.464 *	1019.860 *	1047.318 *	1072.796 *	1094.837 *	1113.372 *	1129.367 *	1142.306 *
-75.0	219.098	240.347	260.373	278.921	292.930	306.047	318.241	328.429	335.490	344.821
-85.0	9.626	9.409	9.520	11.400	12.910	14.419	15.925	16.586	16.323	16.035
-90.0	1.286	1.005	0.847	1.235	1.545	1.855	2.166	2.615	3.203	3.790

Vert. Angles Horizontal Angles

	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	8.767	9.328	9.609	9.492	9.260	9.027	8.794	8.562	8.404	8.322
85.0	32.876	31.938	31.449	32.098	33.354	34.548	35.670	36.710	37.032	36.712
75.0	433.926 *	432.469 *	431.740 *	433.116 *	435.867 *	438.618 *	433.583 *	430.801 *	428.010 *	424.867 *
65.0	1273.305	*1281.290	*1284.192	*1288.688	*1295.480	*1299.278	*1300.011	*1297.991	*1287.558	*1273.865 *
55.0	2186.036	*2195.772	*2198.993	*2198.770	*2195.143	*2187.526	*2176.232	*2162.240	*2145.794	*2125.844 *
47.5	2755.631	*2768.853	*2773.913	*2771.280	*2762.737	*2749.691	*2731.997	*2715.310	*2694.304	*2666.915 *
42.5	3074.409	*3092.018	*3099.037	*3098.482	*3093.655	*3083.748	*3068.942	*3051.538	*3029.050	*3001.527 *
37.5	3366.731	*3382.865	*3389.180	*3386.885	*3378.907	*3366.636	*3353.594	*3340.984	*3324.924	*3298.121 *
33.0	3551.460	*3571.746	*3579.735	*3580.654	*3577.502	*3569.730	*3557.080	*3540.522	*3520.323	*3498.650 *
29.0	3659.947	*3681.364	*3690.731	*3697.616	*3708.627	*3714.813	*3706.864	*3692.319	*3671.336	*3646.957 *
25.5	3753.822	*3770.328	*3777.088	*3786.295	*3802.150	*3812.290	*3813.047	*3807.921	*3785.773	*3759.157 *
22.5	3828.261	*3842.362	*3847.931	*3856.495	*3870.969	*3881.095	*3887.727	*3883.883	*3865.157	*3840.771 *
19.5	3893.740	*3909.001	*3915.141	*3922.700	*3934.866	*3941.306	*3944.958	*3942.142	*3930.970	*3908.189 *
17.0	3940.273	*3958.114	*3965.657	*3972.551	*3983.513	*3987.691	*3988.915	*3987.821	*3976.211	*3956.493 *
15.0	3971.144	*3993.236	*4002.160	*4008.758	*4017.759	*4024.623	*4025.751	*4021.868	*4007.576	*3985.981 *
13.0	3999.703	*4021.000	*4030.411	*4037.472	*4048.930	*4057.488	*4060.700	*4053.625	*4038.156	*4013.402 *
11.0	4025.201	*4045.143	*4054.223	*4062.031	*4076.104	*4087.420	*4088.200	*4083.119	*4066.651	*4039.998 *

CANDELA TABULATION - (Cont.)

9.0	4046.508	*4065.539	*4073.598	*4081.786	*4097.204	*4106.618	*4112.371	*4105.677	*4089.332	*4062.239 *
7.0	4062.206	*4078.250	*4086.475	*4094.179	*4111.525	*4123.772	*4127.205	*4121.799	*4104.784	*4080.398 *
5.0	4075.697	*4089.517	*4097.166	*4105.044	*4123.595	*4133.682	*4138.301	*4131.364	*4118.328	*4090.920 *
3.0	4081.694	*4097.637	*4105.671	*4112.987	*4128.636	*4140.979	*4142.773	*4138.165	*4122.165	*4096.177 *
1.0	4086.078	*4100.777	*4107.983	*4116.425	*4131.887	*4141.698	*4144.727	*4142.354	*4124.775	*4099.588 *
0.0	4086.913	*4101.730	*4109.139	*4116.573	*4131.441	*4141.044	*4144.672	*4142.327	*4125.214	*4099.992 *
-1.0	4085.794	*4100.079	*4106.329	*4114.097	*4129.691	*4139.913	*4143.848	*4142.423	*4125.520	*4100.127 *
-3.0	4080.283	*4093.762	*4100.709	*4106.832	*4121.852	*4134.869	*4139.598	*4137.811	*4123.783	*4097.169 *
-5.0	4072.738	*4083.099	*4089.284	*4095.676	*4112.788	*4122.903	*4130.439	*4127.908	*4118.373	*4090.999 *
-7.0	4054.436	*4068.596	*4075.741	*4081.811	*4096.462	*4107.438	*4112.822	*4111.528	*4098.945	*4076.353 *
-9.0	4034.045	*4052.682	*4060.080	*4066.736	*4078.467	*4084.850	*4091.161	*4088.233	*4075.926	*4052.749 *
-11.0	4006.810	*4026.840	*4035.693	*4042.328	*4053.553	*4062.108	*4063.941	*4060.227	*4048.775	*4026.243 *
-13.0	3977.252	*3996.825	*4005.400	*4012.199	*4023.268	*4033.011	*4036.896	*4033.416	*4021.831	*4000.363 *
-15.0	3944.930	*3962.412	*3969.200	*3976.867	*3988.588	*4001.944	*4008.344	*4009.908	*3996.790	*3975.138 *
-17.0	3913.490	*3924.905	*3929.287	*3938.310	*3953.703	*3967.706	*3976.633	*3980.268	*3969.850	*3948.095 *
-19.5	3868.494	*3878.732	*3882.409	*3891.756	*3907.711	*3921.049	*3931.196	*3931.495	*3919.070	*3891.651 *
-22.5	3808.545	*3822.327	*3827.831	*3835.499	*3848.186	*3856.554	*3859.494	*3852.946	*3835.543	*3812.889 *
-25.5	3742.300	*3759.312	*3766.507	*3771.808	*3779.647	*3782.157	*3777.091	*3766.011	*3749.611	*3727.333 *
-29.0	3653.018	*3670.434	*3677.855	*3679.949	*3681.198	*3678.135	*3673.425	*3664.576	*3647.335	*3620.669 *
-33.0	3526.914	*3543.684	*3549.434	*3548.242	*3540.451	*3528.311	*3522.042	*3514.731	*3503.173	*3474.911 *
-37.5	3310.548	*3326.239	*3332.146	*3330.866	*3324.653	*3313.989	*3304.869	*3298.622	*3288.113	*3262.991 *
-42.5	2992.876	*3008.885	*3014.929	*3016.930	*3016.966	*3011.700	*3001.087	*2984.311	*2961.359	*2932.069 *
-47.5	2643.707	*2656.898	*2661.791	*2663.129	*2662.317	*2656.821	*2646.618	*2632.896	*2614.293	*2590.009 *
-55.0	2053.327	*2061.797	*2064.430	*2068.300	*2072.807	*2072.962	*2068.734	*2059.233	*2044.154	*2025.006 *
-65.0	1152.332	*1159.432	*1161.880	*1164.642	*1167.964	*1168.367	*1165.867	*1160.490	*1151.360	*1138.558 *
-75.0	347.681	350.543	351.974	351.397	350.244	349.092	340.961	335.037	332.369	330.859
-85.0	15.722	15.384	15.206	15.760	16.850	17.912	18.945	19.946	20.437	20.461
-90.0	4.378	4.966	5.260	4.828	3.965	3.102	2.238	1.374	1.261	1.899

Vert.
Angles

Horizontal Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	8.240	8.157	8.055	9.139	10.464	12.012	11.528	10.138	8.644	7.200
85.0	36.347	35.941	35.382	34.349	33.025	31.136	28.935	26.870	23.966	20.194
75.0	420.695 *	415.557 *	407.334	383.843	358.693	327.542	281.427	228.378	186.307	144.310
65.0	1256.625	*1236.795	*1204.623	*1152.287	*1088.803	*997.350 *	884.639 *	769.533 *	644.536 *	517.450 *
55.0	2102.538	*2075.153	*2029.903	*1966.514	*1896.574	*1796.919	*1646.798	*1453.210	*1255.207	*1049.649 *
47.5	2632.782	*2601.475	*2559.881	*2503.148	*2427.873	*2336.631	*2207.186	*2005.147	*1726.813	*1456.786 *
42.5	2969.392	*2933.794	*2882.324	*2809.669	*2725.338	*2626.602	*2502.878	*2322.662	*2034.127	*1707.817 *
37.5	3258.215	*3215.630	*3159.368	*3082.729	*2992.351	*2877.177	*2742.032	*2568.601	*2273.694	*1934.399 *
33.0	3473.981	*3435.930	*3367.813	*3281.530	*3198.012	*3088.728	*2941.368	*2734.940	*2460.480	*2115.707 *
29.0	3620.247	*3583.495	*3522.549	*3443.968	*3345.773	*3236.546	*3085.874	*2874.117	*2597.526	*2259.712 *
25.5	3724.854	*3682.436	*3625.488	*3545.390	*3455.301	*3338.840	*3188.480	*2981.727	*2697.886	*2362.623 *
22.5	3807.796	*3763.795	*3698.507	*3614.460	*3524.712	*3415.768	*3260.337	*3054.226	*2770.553	*2434.905 *
19.5	3878.135	*3835.006	*3772.486	*3678.672	*3582.981	*3464.055	*3312.304	*3113.491	*2831.294	*2486.637 *
17.0	3923.682	*3885.466	*3822.398	*3736.683	*3630.492	*3494.747	*3343.372	*3150.400	*2871.424	*2521.461 *
15.0	3956.881	*3914.122	*3860.053	*3779.507	*3664.805	*3517.332	*3360.799	*3177.128	*2897.643	*2545.043 *
13.0	3980.317	*3942.601	*3888.897	*3805.944	*3691.573	*3538.581	*3377.625	*3201.257	*2919.209	*2564.587 *
11.0	4005.658	*3966.296	*3910.612	*3825.272	*3713.338	*3561.205	*3402.352	*3220.493	*2936.921	*2580.293 *
9.0	4026.721	*3986.603	*3929.392	*3843.067	*3730.816	*3587.470	*3425.122	*3233.610	*2950.967	*2600.081 *
7.0	4044.543	*4004.534	*3943.674	*3849.017	*3739.573	*3605.781	*3445.382	*3243.950	*2962.782	*2614.523 *
5.0	4057.381	*4015.236	*3947.590	*3849.457	*3742.086	*3618.480	*3459.935	*3250.250	*2969.669	*2623.190 *
3.0	4062.964	*4019.317	*3949.646	*3851.989	*3750.862	*3630.503	*3470.058	*3252.760	*2971.630	*2627.088 *
1.0	4067.349	*4019.419	*3949.255	*3853.075	*3755.305	*3637.930	*3476.454	*3251.044	*2968.695	*2626.227 *
0.0	4066.661	*4017.669	*3946.822	*3851.437	*3755.646	*3639.967	*3476.832	*3248.469	*2965.409	*2624.021 *
-1.0	4067.227	*4018.826	*3949.331	*3854.497	*3756.464	*3637.628	*3477.264	*3252.604	*2968.130	*2624.070 *
-3.0	4062.372	*4017.391	*3950.173	*3856.465	*3754.133	*3629.461	*3472.654	*3257.376	*2969.807	*2620.586 *
-5.0	4055.767	*4011.562	*3946.414	*3853.790	*3746.345	*3616.303	*3464.743	*3257.723	*2966.212	*2612.250 *
-7.0	4040.136	*3998.990	*3939.175	*3847.454	*3739.532	*3607.246	*3453.600	*3253.958	*2957.069	*2598.994 *
-9.0	4019.562	*3979.030	*3921.472	*3835.180	*3727.665	*3597.076	*3437.247	*3240.120	*2942.149	*2580.485 *
-11.0	3994.770	*3956.042	*3897.445	*3813.507	*3712.155	*3579.901	*3414.907	*3218.945	*2924.707	*2557.833 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAMMA LX1GAM4LB57.IES

CANDELA TABULATION - (Cont.)

-13.0	3967.212	*3930.132	*3871.730	*3791.872	*3693.627	*3558.739	*3386.325	*3191.701	*2904.332	*2542.795 *
-15.0	3945.768	*3899.957	*3844.434	*3768.783	*3671.161	*3533.784	*3359.795	*3161.026	*2881.049	*2523.374 *
-17.0	3911.208	*3870.250	*3814.671	*3736.374	*3641.005	*3503.756	*3333.271	*3130.215	*2854.047	*2498.929 *
-19.5	3862.215	*3823.557	*3769.888	*3690.524	*3591.480	*3459.529	*3292.489	*3090.501	*2812.844	*2461.404 *
-22.5	3785.768	*3752.427	*3699.466	*3621.086	*3527.002	*3403.661	*3232.882	*3030.881	*2754.229	*2404.480 *
-25.5	3700.016	*3667.707	*3620.396	*3544.543	*3452.096	*3325.451	*3163.467	*2963.271	*2685.719	*2330.860 *
-29.0	3588.432	*3555.054	*3508.555	*3449.806	*3347.393	*3224.185	*3065.590	*2863.403	*2582.891	*2226.340 *
-33.0	3442.102	*3398.117	*3345.323	*3281.332	*3198.299	*3074.134	*2928.404	*2722.295	*2436.210	*2084.094 *
-37.5	3218.703	*3172.306	*3113.061	*3046.903	*2963.431	*2849.294	*2712.898	*2524.333	*2227.023	*1900.960 *
-42.5	2898.172	*2862.570	*2814.227	*2747.741	*2669.643	*2565.728	*2433.550	*2247.802	*1970.347	*1653.774 *
-47.5	2559.858	*2529.862	*2488.172	*2426.405	*2343.063	*2241.214	*2112.664	*1916.208	*1638.890	*1382.513 *
-55.0	2001.884	*1973.143	*1922.502	*1855.259	*1784.355	*1692.428	*1551.285	*1358.996	*1164.111	*969.269 *
-65.0	1121.947	*1102.863	*1076.581	*1037.119	*987.047 *	908.289 *	803.666 *	694.690 *	571.075 *	454.490 *
-75.0	328.275	324.641	318.344	302.099	284.416	262.255	223.206	178.661	145.595	111.727
-85.0	20.470	20.464	20.441	20.458	20.315	19.890	19.005	17.830	16.944	16.838
-90.0	2.537	3.175	3.972	5.084	6.227	7.562	6.728	4.905	4.264	5.009

**Vert.
Angles**

Horizontal Angles

	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	6.435	9.715	11.398	7.930	6.107
85.0	17.326	15.018	14.585	9.566	6.110
75.0	87.300	38.777	22.201	12.744	6.116
65.0	338.186	137.734	34.169	15.693	6.122
55.0	734.102 *	328.046	65.042	18.310	6.127
47.5	1042.902	*497.888 *	103.033	19.873	6.131
42.5	1246.582	*609.433 *	129.150	20.782	6.133
37.5	1435.097	*723.488 *	155.347	21.606	6.135
33.0	1576.707	*814.838 *	197.090	22.268	6.137
29.0	1682.048	*892.524 *	233.568	22.788	6.138
25.5	1759.507	*952.319 *	261.187	23.189	6.139
22.5	1815.854	*995.866 *	281.650	23.488	6.140
19.5	1862.655	*1032.376 *	299.163	23.747	6.140
17.0	1893.911	*1058.071 *	311.523	23.929	6.141
15.0	1913.473	*1075.684 *	319.968	24.052	6.141
13.0	1933.218	*1090.825 *	327.147	24.155	6.141
11.0	1950.187	*1103.214 *	333.083	24.238	6.142
9.0	1963.121	*1112.829 *	337.799	24.299	6.142
7.0	1971.972	*1119.650 *	341.320	24.339	6.142
5.0	1976.703	*1123.667 *	347.036	24.356	6.142
3.0	1977.289	*1124.870 *	346.096	24.352	6.142
1.0	1973.716	*1123.261 *	345.154	24.299	6.142
0.0	1970.369	*1121.402 *	344.683	24.302	6.142
-1.0	1974.016	*1122.455 *	344.976	24.294	6.142
-3.0	1978.188	*1122.448 *	345.561	24.260	6.142
-5.0	1978.196	*1119.618 *	346.146	24.203	6.142
-7.0	1974.048	*1113.955 *	340.273	24.122	6.142
-9.0	1965.766	*1105.461 *	336.620	24.017	6.142
-11.0	1953.385	*1094.142 *	331.897	23.888	6.142
-13.0	1936.949	*1080.007 *	326.104	23.735	6.141
-15.0	1916.723	*1063.075 *	319.242	23.558	6.141
-17.0	1893.100	*1043.794 *	311.313	23.356	6.141
-19.5	1856.437	*1016.185 *	299.910	23.071	6.140
-22.5	1802.932	*977.543 *	284.055	22.679	6.140
-25.5	1741.003	*933.061 *	265.864	22.234	6.139
-29.0	1658.626	*873.300 *	241.742	21.648	6.138
-33.0	1544.121	*796.838 *	210.451	20.892	6.137
-37.5	1390.386	*705.832 *	173.743	19.935	6.135
-42.5	1195.876	*591.567 *	141.383	18.745	6.133
-47.5	988.332 *	470.363 *	105.837	17.431	6.131
-55.0	672.862 *	291.434	59.634	15.371	6.127

IES FLOOD REPORT
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CANDELA TABULATION - (Cont.)

-65.0	295.158	115.299	30.893	12.880	6.122
-75.0	63.409	30.643	20.096	10.250	6.116
-85.0	16.368	15.138	11.424	7.540	6.110
-90.0	4.159	5.067	6.718	6.173	6.107

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAMMA LX1GAM4LB57.IES

LUMEN TABULATION

Average Of Right And Left Sides

Total Luminaire Lumens (one side of beam only) = 5511.83

Total Field Lumens (one side of beam only) = 5410.55

* Indicates Values Inside Field Edge

Vert. Angles	Horizontal Angles									
	<u>0</u>	<u>1</u>	<u>3</u>	<u>5</u>	<u>7</u>	<u>9</u>	<u>11</u>	<u>13</u>	<u>15</u>	<u>17</u>
90										
85	0.03	0.06	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.07
75	0.71	1.42	1.43	1.42	1.40	1.38	1.35	1.30	1.25	1.49
65	2.61 *	5.23 *	5.22 *	5.19 *	5.13 *	5.05 *	4.95 *	4.82 *	4.68 *	5.64 *
55	5.30 *	10.59 *	10.54 *	10.45 *	10.33 *	10.19 *	10.02 *	9.81 *	9.58 *	11.59 *
47.5	5.68 *	11.32 *	11.25 *	11.15 *	11.02 *	10.88 *	10.71 *	10.50 *	10.27 *	12.48 *
42.5	4.47 *	8.91 *	8.85 *	8.77 *	8.68 *	8.58 *	8.45 *	8.29 *	8.11 *	9.88 *
37.5	4.94 *	9.85 *	9.79 *	9.70 *	9.60 *	9.49 *	9.35 *	9.18 *	8.98 *	10.92 *
33	4.77 *	9.52 *	9.46 *	9.39 *	9.30 *	9.18 *	9.05 *	8.89 *	8.70 *	10.57 *
29	4.43 *	8.84 *	8.80 *	8.73 *	8.65 *	8.55 *	8.42 *	8.28 *	8.12 *	9.87 *
25.5	3.98 *	7.95 *	7.93 *	7.88 *	7.81 *	7.72 *	7.61 *	7.48 *	7.33 *	8.92 *
22.5	3.48 *	6.97 *	6.95 *	6.91 *	6.85 *	6.77 *	6.67 *	6.55 *	6.42 *	7.81 *
19.5	3.55 *	7.09 *	7.07 *	7.03 *	6.97 *	6.89 *	6.79 *	6.67 *	6.54 *	7.96 *
17	3.00 *	6.00 *	5.98 *	5.94 *	5.89 *	5.82 *	5.74 *	5.65 *	5.54 *	6.74 *
15	2.43 *	4.85 *	4.83 *	4.80 *	4.76 *	4.71 *	4.64 *	4.57 *	4.48 *	5.45 *
13	2.45 *	4.89 *	4.87 *	4.84 *	4.80 *	4.74 *	4.68 *	4.60 *	4.51 *	5.50 *
11	2.46 *	4.92 *	4.90 *	4.88 *	4.83 *	4.78 *	4.71 *	4.63 *	4.55 *	5.54 *
9	2.48 *	4.95 *	4.93 *	4.91 *	4.87 *	4.81 *	4.74 *	4.66 *	4.57 *	5.58 *
7	2.49 *	4.97 *	4.95 *	4.93 *	4.89 *	4.83 *	4.77 *	4.69 *	4.60 *	5.61 *
5	2.49 *	4.98 *	4.97 *	4.95 *	4.91 *	4.85 *	4.79 *	4.71 *	4.62 *	5.63 *
3	2.50 *	4.99 *	4.98 *	4.96 *	4.92 *	4.87 *	4.80 *	4.72 *	4.63 *	5.64 *
1	2.50 *	5.00 *	4.99 *	4.97 *	4.93 *	4.88 *	4.81 *	4.73 *	4.63 *	5.64 *
0	1.25 *	2.50 *	2.50 *	2.48 *	2.47 *	2.44 *	2.41 *	2.36 *	2.32 *	2.82 *
-1	1.25 *	2.50 *	2.50 *	2.48 *	2.47 *	2.44 *	2.41 *	2.36 *	2.32 *	2.82 *
-3	2.50 *	5.00 *	4.99 *	4.96 *	4.93 *	4.87 *	4.80 *	4.72 *	4.63 *	5.64 *
-5	2.49 *	4.99 *	4.98 *	4.95 *	4.91 *	4.86 *	4.79 *	4.71 *	4.62 *	5.63 *
-7	2.49 *	4.97 *	4.96 *	4.94 *	4.89 *	4.84 *	4.77 *	4.69 *	4.60 *	5.61 *
	2.48 *	4.95 *	4.94 *	4.91 *	4.87 *	4.82 *	4.75 *	4.67 *	4.58 *	5.58 *

IES FLOOD REPORT
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LUMENS TABULATION - (Cont.)

-9	2.47 *	4.93 *	4.91 *	4.88 *	4.84 *	4.79 *	4.72 *	4.64 *	4.55 *	5.54 *
-11	2.45 *	4.89 *	4.88 *	4.85 *	4.81 *	4.76 *	4.69 *	4.61 *	4.52 *	5.50 *
-13	2.43 *	4.85 *	4.84 *	4.82 *	4.78 *	4.73 *	4.66 *	4.58 *	4.49 *	5.46 *
-15	2.41 *	4.81 *	4.80 *	4.78 *	4.74 *	4.69 *	4.62 *	4.55 *	4.45 *	5.43 *
-17	2.98 *	5.95 *	5.94 *	5.91 *	5.87 *	5.80 *	5.72 *	5.62 *	5.51 *	6.72 *
-19.5	3.52 *	7.05 *	7.03 *	7.00 *	6.94 *	6.86 *	6.76 *	6.64 *	6.51 *	7.94 *
-22.5	3.47 *	6.93 *	6.91 *	6.87 *	6.81 *	6.73 *	6.63 *	6.51 *	6.38 *	7.77 *
-25.5	3.97 *	7.92 *	7.89 *	7.84 *	7.77 *	7.67 *	7.55 *	7.42 *	7.27 *	8.85 *
-29	4.40 *	8.78 *	8.73 *	8.67 *	8.59 *	8.49 *	8.36 *	8.20 *	8.03 *	9.78 *
-33	4.71 *	9.40 *	9.35 *	9.27 *	9.18 *	9.07 *	8.94 *	8.77 *	8.58 *	10.44 *
-37.5	4.83 *	9.64 *	9.58 *	9.51 *	9.41 *	9.30 *	9.16 *	8.99 *	8.80 *	10.71 *
-42.5	4.32 *	8.62 *	8.58 *	8.51 *	8.42 *	8.32 *	8.20 *	8.05 *	7.88 *	9.60 *
-47.5	5.40 *	10.78 *	10.73 *	10.64 *	10.54 *	10.41 *	10.25 *	10.06 *	9.84 *	11.94 *
-55	4.91 *	9.82 *	9.78 *	9.70 *	9.60 *	9.46 *	9.29 *	9.09 *	8.85 *	10.69 *
-65	2.30 *	4.60 *	4.58 *	4.53 *	4.46 *	4.38 *	4.28 *	4.17 *	4.04 *	4.85 *
-75	0.56	1.11	1.11	1.09	1.06	1.04	1.01	0.98	0.94	1.12
-85	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
-90										
Total	134.35	268.32	267.26	265.48	263.01	259.83	255.87	251.21	245.91	299.01

Vert. Angles Horizontal Angles

	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29</u>	<u>33</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>	<u>55</u>	<u>65</u>
90	0.08	0.08	0.08	0.09	0.08	0.07	0.05	0.06	0.05	0.03
85	1.67	1.54	1.62	1.59	1.43	1.21	0.88	0.79	0.42	0.14
75	6.40 *	5.95 *	6.28 *	6.23 *	5.80 *	5.05 *	3.72	3.45	1.86	0.42
65	13.28 *	12.51 *	13.46 *	13.66 *	13.04 *	11.64 *	8.83 *	8.62 *	5.04	1.14
55	14.40 *	13.68 *	14.91 *	15.47 *	15.13 *	13.79 *	10.66 *	10.72 *	6.65 *	1.63
47.5	11.41 *	10.86 *	11.90 *	12.49 *	12.45 *	11.56 *	9.03 *	9.22 *	5.92 *	1.52
42.5	12.61 *	12.01 *	13.17 *	13.85 *	13.91 *	13.07 *	10.33 *	10.72 *	7.06 *	1.87
37.5	12.19 *	11.62 *	12.77 *	13.45 *	13.52 *	12.77 *	10.23 *	10.78 *	7.24 *	1.98 *
33	11.39 *	10.85 *	11.93 *	12.61 *	12.70 *	12.06 *	9.75 *	10.37 *	7.06 *	2.00 *
29	10.30 *	9.82 *	10.80 *	11.43 *	11.56 *	11.05 *	8.99 *	9.62 *	6.61 *	1.92 *

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAMMA LX1GAM4LB57.IES

LUMENS TABULATION - (Cont.)

25.5										
	9.03 *	8.62 *	9.49 *	10.04 *	10.18 *	9.78 *	8.01 *	8.60 *	5.96 *	1.76 *
22.5										
	9.20 *	8.78 *	9.67 *	10.23 *	10.39 *	10.02 *	8.24 *	8.88 *	6.19 *	1.85 *
19.5										
	7.79 *	7.43 *	8.18 *	8.65 *	8.79 *	8.50 *	7.02 *	7.59 *	5.31 *	1.61 *
17										
	6.31 *	6.02 *	6.62 *	7.00 *	7.11 *	6.89 *	5.70 *	6.18 *	4.34 *	1.32 *
15										
	6.36 *	6.07 *	6.68 *	7.06 *	7.17 *	6.95 *	5.76 *	6.25 *	4.40 *	1.35 *
13										
	6.41 *	6.12 *	6.73 *	7.11 *	7.24 *	7.01 *	5.81 *	6.32 *	4.46 *	1.37 *
11										
	6.45 *	6.16 *	6.78 *	7.17 *	7.29 *	7.06 *	5.86 *	6.38 *	4.51 *	1.39 *
9										
	6.49 *	6.19 *	6.82 *	7.22 *	7.34 *	7.10 *	5.89 *	6.43 *	4.55 *	1.41 *
7										
	6.51 *	6.21 *	6.84 *	7.25 *	7.37 *	7.13 *	5.92 *	6.46 *	4.58 *	1.42 *
5										
	6.52 *	6.22 *	6.86 *	7.27 *	7.39 *	7.15 *	5.94 *	6.49 *	4.60 *	1.43 *
3										
	6.52 *	6.23 *	6.87 *	7.28 *	7.40 *	7.15 *	5.95 *	6.49 *	4.61 *	1.43 *
1										
	3.26 *	3.11 *	3.44 *	3.64 *	3.70 *	3.58 *	2.97 *	3.25 *	2.30 *	0.72 *
0										
	3.26 *	3.11 *	3.43 *	3.64 *	3.70 *	3.58 *	2.97 *	3.25 *	2.30 *	0.71 *
-1										
	6.52 *	6.22 *	6.86 *	7.27 *	7.39 *	7.15 *	5.94 *	6.48 *	4.60 *	1.43 *
-3										
	6.51 *	6.21 *	6.84 *	7.26 *	7.38 *	7.14 *	5.93 *	6.46 *	4.59 *	1.42 *
-5										
	6.49 *	6.19 *	6.82 *	7.23 *	7.36 *	7.12 *	5.90 *	6.43 *	4.56 *	1.41 *
-7										
	6.46 *	6.17 *	6.79 *	7.19 *	7.32 *	7.09 *	5.86 *	6.39 *	4.53 *	1.40 *
-9										
	6.42 *	6.13 *	6.75 *	7.14 *	7.27 *	7.04 *	5.82 *	6.33 *	4.48 *	1.38 *
-11										
	6.37 *	6.09 *	6.70 *	7.08 *	7.21 *	6.98 *	5.76 *	6.26 *	4.42 *	1.36 *
-13										
	6.33 *	6.05 *	6.66 *	7.03 *	7.14 *	6.91 *	5.71 *	6.19 *	4.36 *	1.33 *
-15										
	6.28 *	6.00 *	6.60 *	6.97 *	7.07 *	6.83 *	5.64 *	6.10 *	4.28 *	1.30 *
-17										
	7.78 *	7.42 *	8.16 *	8.61 *	8.73 *	8.42 *	6.94 *	7.49 *	5.24 *	1.58 *
-19.5										
	9.18 *	8.76 *	9.64 *	10.17 *	10.30 *	9.92 *	8.13 *	8.75 *	6.08 *	1.82 *
-22.5										
	8.99 *	8.58 *	9.44 *	9.97 *	10.09 *	9.68 *	7.90 *	8.44 *	5.83 *	1.72 *
-25.5										
	10.24 *	9.78 *	10.75 *	11.35 *	11.45 *	10.93 *	8.86 *	9.42 *	6.45 *	1.87 *
-29										
	11.32 *	10.82 *	11.88 *	12.51 *	12.58 *	11.90 *	9.57 *	10.11 *	6.84 *	1.93 *
-33										
	12.08 *	11.54 *	12.66 *	13.30 *	13.32 *	12.50 *	9.97 *	10.45 *	6.96 *	1.89 *
-37.5										
	12.38 *	11.80 *	12.94 *	13.56 *	13.51 *	12.60 *	9.96 *	10.30 *	6.71 *	1.76
-42.5										
	11.08 *	10.54 *	11.53 *	12.07 *	11.94 *	11.02 *	8.62 *	8.75 *	5.55 *	1.41
-47.5										
	13.74 *	13.02 *	14.17 *	14.69 *	14.31 *	13.02 *	10.06 *	10.02 *	6.09 *	1.46

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAMMA LX1GAM4LB57.IES

LUMENS TABULATION - (Cont.)

-55	12.22 *	11.49 *	12.35 *	12.54 *	11.98 *	10.72 *	8.13 *	7.82 *	4.44	0.98
-65	5.50 *	5.09 *	5.36 *	5.32 *	4.97 *	4.34	3.18	2.90	1.52	0.34
-75	1.26	1.15	1.21	1.18	1.05	0.88	0.64	0.56	0.32	0.11
-85	0.04	0.04	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.03
-90										
Total	345.06	328.29	359.49	376.90	377.12	356.41	287.07	302.61	203.94	58.36

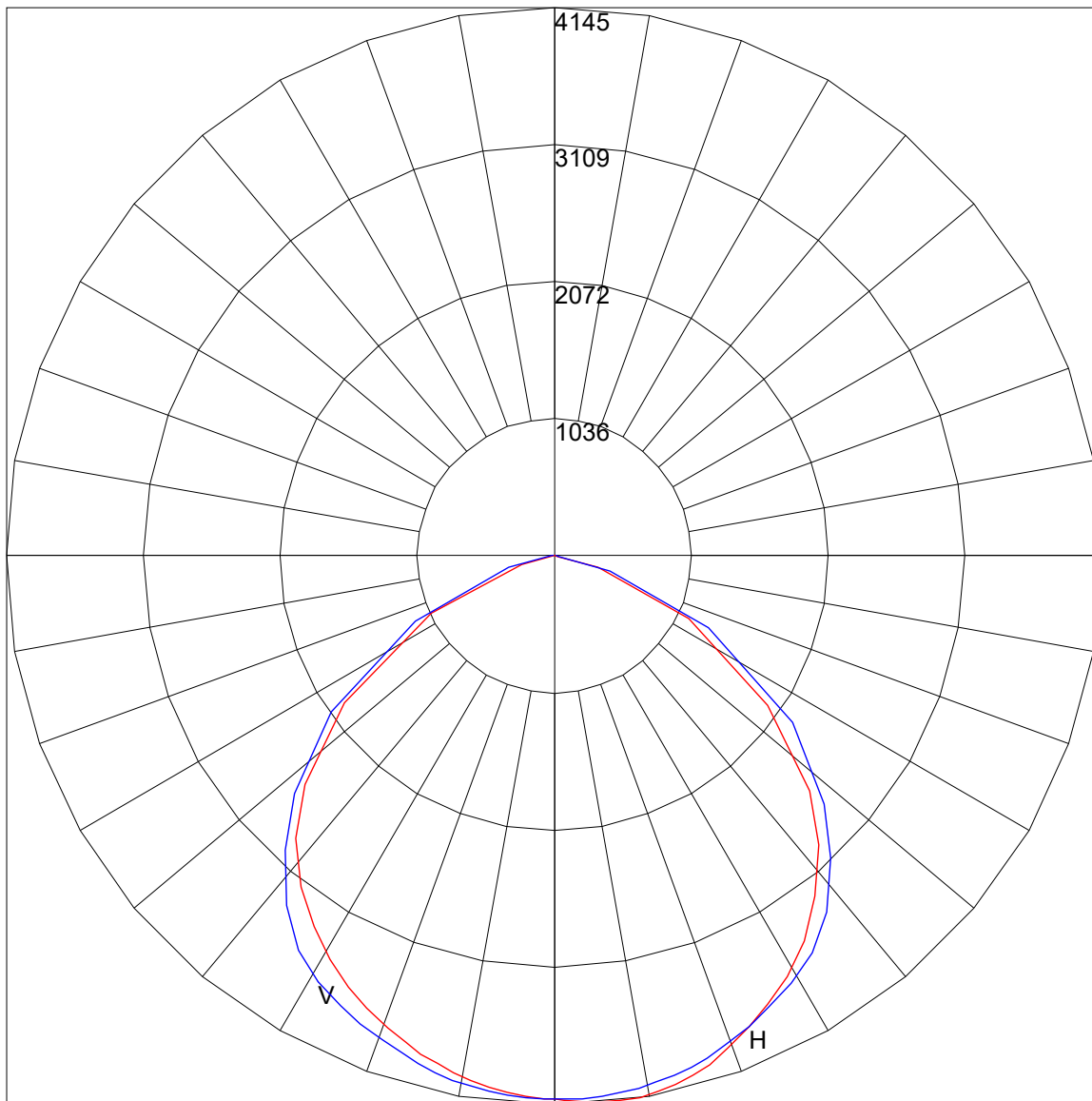
Vert. Angles	Horizontal Angles			
	<u>75</u>	<u>85</u>	<u>90</u>	<u>Total</u>
90	0.02	0.00		1.30
85	0.04	0.00		24.48
75	0.06	0.00		93.74
65	0.11	0.00		199.76
55	0.14	0.00		222.44
47.5	0.13	0.00		179.50
42.5	0.17	0.00		200.58
37.5	0.19	0.00		195.58
33	0.20	0.00		183.63
29	0.20	0.00		166.94
25.5	0.19	0.00		147.05
22.5	0.21	0.00		150.23
19.5	0.18	0.00		127.34
17	0.15	0.00		103.12
15	0.15	0.00		104.09
13	0.16	0.00		104.95
11	0.16	0.00		105.71
9	0.16	0.00		106.31
7	0.16	0.00		106.75
5	0.17	0.00		107.03
3	0.16	0.00		107.17
1	0.08	0.00		53.60
0	0.08	0.00		53.58

IES FLOOD REPORT
PHOTOMETRIC FILENAME : GAMMA LX1GAM4LB57.IES

LUMENS TABULATION - (Cont.)

-1	0.16	0.00	107.08
-3	0.16	0.00	106.85
-5	0.16	0.00	106.46
-7	0.16	0.00	105.90
-9	0.16	0.00	105.18
-11	0.15	0.00	104.35
-13	0.15	0.00	103.46
-15	0.15	0.00	102.51
-17	0.18	0.00	126.58
-19.5	0.20	0.00	149.20
-22.5	0.18	0.00	145.86
-25.5	0.20	0.00	165.43
-29	0.19	0.00	181.70
-33	0.18	0.00	192.57
-37.5	0.15	0.00	195.60
-42.5	0.12	0.00	173.13
-47.5	0.12	0.00	211.28
-55	0.09	0.00	183.96
-65	0.05	0.00	80.74
-75	0.04	0.00	18.43
-85	0.01	0.00	0.71
-90			
Total	6.25	0.08	5511.83

AXIAL CANDELA DISPLAY

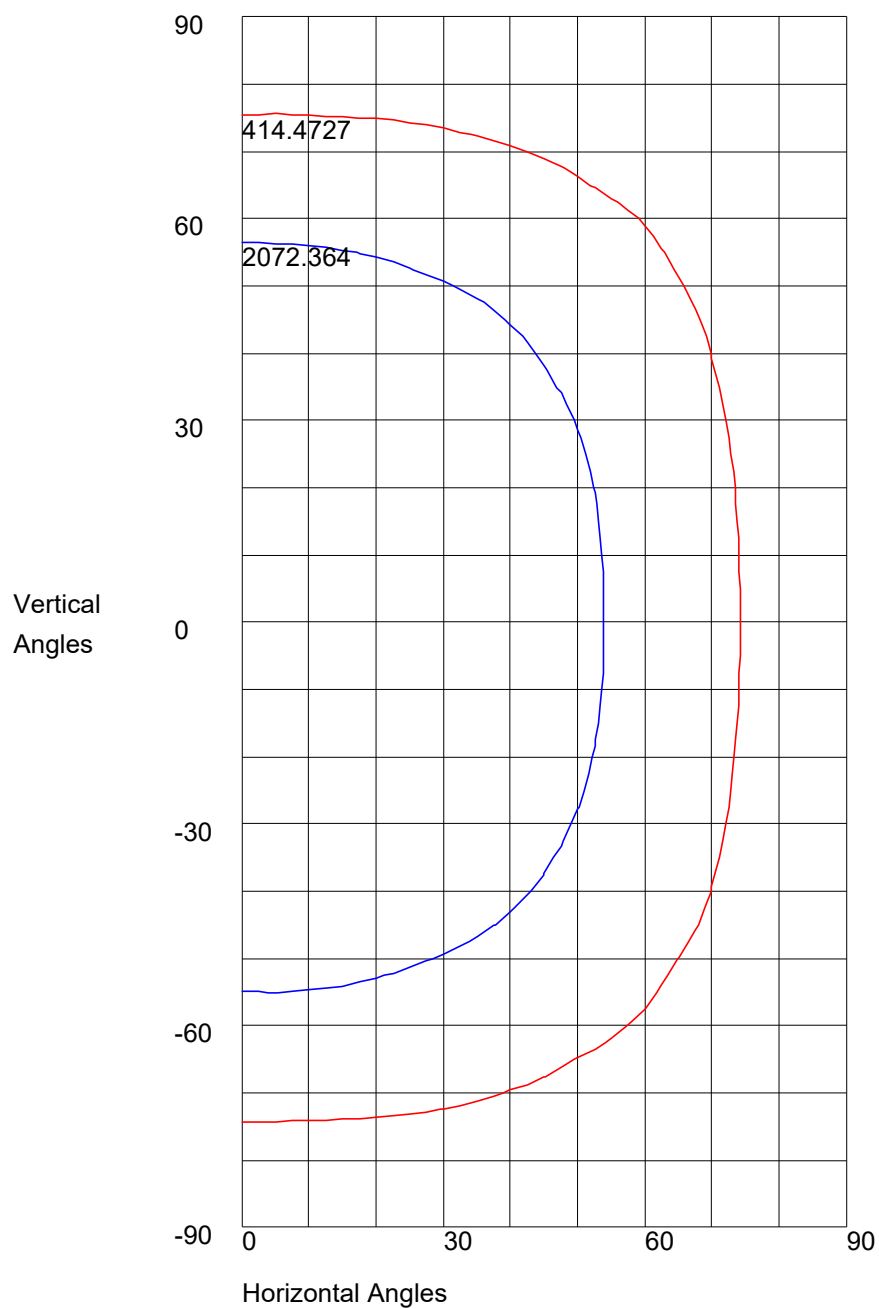


Maximum Candela = 4144.727 Located At Horizontal Angle = 7, Vertical Angle = 1

H - Horizontal Axial Candela

V - Vertical Axial Candela

ISOCANDELA CURVES



Maximum Candela = 4144.727 Located At Horizontal Angle = 7, Vertical Angle = 1
50% Maximum Candela = 2072.3635
10% Maximum Candela = 414.4727