

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDGV-55L35KE1-PR16.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]101925754CRT-003_M-55L
 [TESTLAB]Intertek
 [LAB-REF LUMCAT]1412221322-001-001_M-55L
 [ISSUEDATE]12/25/2014
 [UPDATE] 12/02/2015
 [MANUFAC]SPECTRUM
 [LUMCAT]PRxxx16LEDGV-55L-35K-E1/PR16
 [LUMINAIRE]For PRDDH and PREXT Series, 16" Prismatic acrylic refractor, Open Aperture
 [LAMP]N/A, min. 85 CRI
 [LAMPCAT]N/A
 [OTHER]Total Luminaire Watts is approximate
 [OTHER]Output Multipliers for other CCT's: 50K x 1.07; 40K x 1.03; 30K x 0.98; 27K x 0.97
 [OTHER]This report updated by Spectrum Lighting, scaled from 55W-35K report

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4667
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	41.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.94
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	0.46 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3751	3707	3661
55	2776	2788	2809
65	2335	2357	2357
75	1835	1822	1819
85	1531	1533	1533

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	3866.522	3866.522	3866.522	3866.522	3866.522
2.5	3827.595	3829.954	3832.222	3838.121	3841.750
5.0	3746.927	3750.375	3752.734	3751.918	3752.008
7.5	3633.774	3639.854	3637.494	3633.139	3626.424
10.0	3505.831	3511.457	3510.731	3507.464	3498.753
12.5	3341.228	3348.397	3351.845	3352.480	3346.673
15.0	3147.952	3151.672	3152.126	3157.480	3156.572
17.5	2934.895	2933.261	2927.363	2933.443	2939.976
20.0	2734.359	2728.824	2724.469	2726.011	2729.278
22.5	2591.081	2590.446	2588.177	2586.725	2589.266
25.0	2426.478	2427.295	2429.110	2428.838	2437.458
27.5	2263.872	2261.695	2258.882	2258.700	2272.311
30.0	2101.357	2106.801	2117.146	2130.394	2136.655
32.5	1853.092	1855.633	1844.926	1795.926	1804.909
35.0	1381.879	1371.989	1342.226	1269.906	1272.175
37.5	906.946	890.250	855.678	797.786	788.440
40.0	640.715	638.447	630.824	624.563	612.586
42.5	564.494	566.218	560.773	557.416	547.253
45.0	493.535	492.627	487.818	489.270	481.739
47.5	425.117	423.484	420.035	424.210	420.489
50.0	385.282	384.828	383.558	388.276	385.917
52.5	358.332	358.967	358.695	363.958	361.236
55.0	335.103	336.373	336.464	341.364	339.005
57.5	312.236	314.777	315.594	319.496	317.499
60.0	290.277	292.909	294.088	296.992	295.086
62.5	268.681	270.859	272.220	274.126	272.583
65.0	247.902	249.626	250.170	251.350	250.170
67.5	225.580	226.669	226.759	227.394	226.396
70.0	203.439	204.256	203.621	204.074	202.622
72.5	182.115	182.115	181.661	181.752	181.208
75.0	162.152	161.064	161.064	161.245	160.791
77.5	144.549	142.190	142.099	142.371	142.190
80.0	129.214	127.580	127.853	128.216	127.943
82.5	116.419	115.331	115.694	115.875	115.694
85.0	103.988	103.807	104.170	104.260	104.170
87.5	93.916	94.007	94.551	94.823	94.642
90.0	86.022	86.566	87.292	87.292	87.020
92.5	79.398	80.033	80.759	80.396	80.214
95.0	73.318	74.316	74.588	74.407	74.316
97.5	68.236	69.144	69.598	69.235	69.416
100.0	63.518	64.607	64.607	64.244	64.698
102.5	59.525	60.524	60.161	59.888	60.433
105.0	56.168	56.985	56.350	55.987	56.803
107.5	53.174	53.809	53.174	52.811	53.355
110.0	50.270	50.270	49.816	49.726	49.726
112.5	47.003	46.822	46.822	46.640	46.368
115.0	44.372	44.009	43.918	43.737	43.918
117.5	42.013	41.740	41.740	41.740	41.650
120.0	39.926	39.835	39.926	39.563	39.563
122.5	37.929	38.020	37.929	37.839	37.748
125.0	35.752	35.933	35.842	35.661	35.661
127.5	33.392	33.574	33.665	33.483	33.574
130.0	31.396	31.578	31.396	31.487	31.305
132.5	30.126	30.307	30.307	30.216	30.126

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CANDELA TABULATION - (Cont.)

135.0	29.763	29.944	29.853	29.672	29.672
137.5	29.309	29.400	29.491	29.309	29.400
140.0	29.037	29.128	29.037	28.946	28.855
142.5	28.674	28.765	28.674	28.583	28.674
145.0	28.402	28.402	28.492	28.492	28.402
147.5	28.220	28.311	28.311	28.311	28.311
150.0	28.583	28.583	28.765	28.583	28.674
152.5	28.855	29.037	29.128	28.946	29.037
155.0	28.855	28.855	29.491	29.037	28.946
157.5	28.492	29.128	29.672	29.128	28.492
160.0	28.311	29.128	29.491	29.218	28.220
162.5	27.857	28.765	28.946	28.765	27.948
165.0	27.041	27.766	28.039	27.948	27.041
167.5	26.042	26.315	26.859	26.678	26.042
170.0	24.772	24.954	25.679	25.407	24.772
172.5	23.048	23.139	23.320	23.139	22.685
175.0	20.779	21.052	21.052	20.870	20.417
177.5	19.600	19.963	20.054	19.872	19.146
180.0	19.418	19.418	19.418	19.418	19.418

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1228.23	N.A.	26.30
0-30	2342.54	N.A.	50.20
0-40	3167.1	N.A.	67.90
0-60	3850.67	N.A.	82.50
0-80	4269.66	N.A.	91.50
0-90	4384.64	N.A.	93.90
10-90	4034.46	N.A.	86.40
20-40	1938.86	N.A.	41.50
20-50	2319.48	N.A.	49.70
40-70	930.58	N.A.	19.90
60-80	418.99	N.A.	9.00
70-80	171.99	N.A.	3.70
80-90	114.98	N.A.	2.50
90-110	141.79	N.A.	3.00
90-120	185.85	N.A.	4.00
90-130	217.97	N.A.	4.70
90-150	259.11	N.A.	5.60
90-180	282.52	N.A.	6.10
110-180	140.73	N.A.	3.00
0-180	4667.16	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	350.18
10-20	878.05
20-30	1114.31
30-40	824.56
40-50	380.61
50-60	302.96
60-70	247.00
70-80	171.99
80-90	114.98
90-100	81.69
100-110	60.10
110-120	44.07
120-130	32.11
130-140	23.19
140-150	17.95
150-160	13.42
160-170	7.84
170-180	2.15

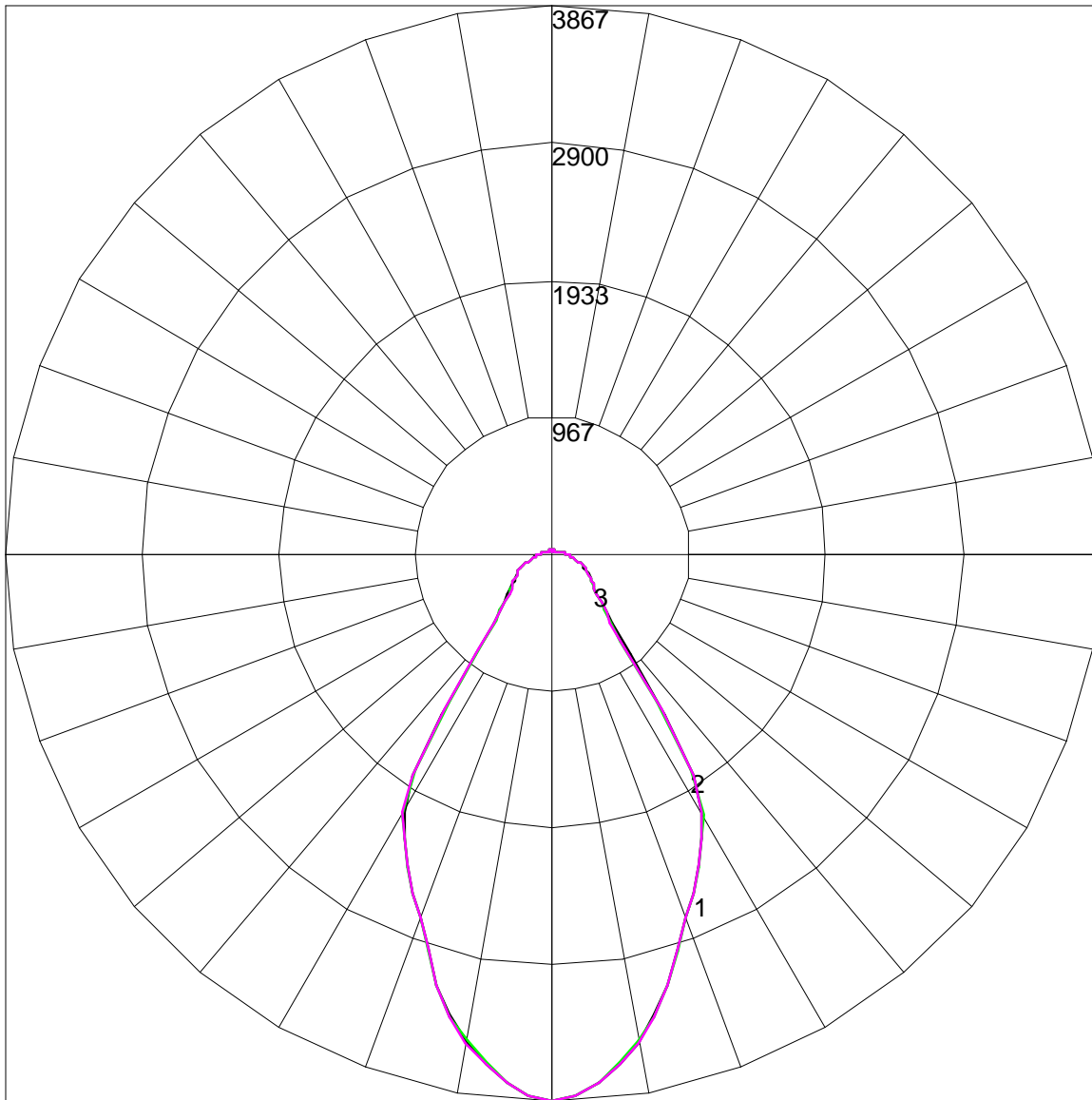
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	109	105	102	99	106	102	99	96	97	95	92	92	90	88	88	86	85	82
2	102	95	90	85	99	93	88	83	88	84	81	84	81	78	81	78	75	73
3	95	86	80	75	92	85	79	74	81	76	72	77	73	70	74	71	68	66
4	89	79	72	67	86	78	71	66	74	69	64	72	67	63	69	65	62	60
5	83	73	66	60	81	71	65	60	69	63	58	66	61	57	64	60	56	54
6	78	67	60	55	76	66	59	54	64	58	54	62	57	53	60	55	52	50
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	51	48	46
8	70	58	51	46	68	58	51	46	56	50	46	54	49	45	53	48	44	43
9	66	55	48	43	64	54	47	43	52	47	42	51	46	42	50	45	41	40
10	62	51	45	40	61	51	44	40	49	44	40	48	43	39	47	42	39	37

POLAR GRAPH



Maximum Candela = 3866.522 Located At Horizontal Angle = 0, Vertical Angle = 0

1 - Vertical Plane Through Horizontal Angles (0 - 180)

2 - Vertical Plane Through Horizontal Angles (90 - 270)

3 - Vertical Plane Through Horizontal Angles (45 - 225)