

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDGV-55L35KE1-PR16-CFG.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: www.ltioptics.com/ies

[ISSUEDATE]

[TESTDATE] Mon Jul 25 2016

[UPDATE] Fri Aug 4 2017

[TEST] SP-00392_36_M-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDGV-55L-35K-E1-PR16-CFG

[LUMINAIRE] LED Prismatic Tech Pendant with Center Frosted Glass Disc

[OTHER] 16" Diam. clear acrylic refractor

[OTHER] 22" Diam. Sodalime Glass disc, with 16" Diam. Frosted Center Pattern

[LAMP] N/A, Gen3

[LAMPCAT] N/A

[OTHER] Total Luminaire Watts is approximate

[OTHER] CCT Output Multipliers: 5000K x 1.06, 4000K X 1.03, 3000K X 0.985, 2700K X 0.971

[OTHER] This report prepared by Spectrum Lighting, scaled from Gen2

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3942
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	39
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.96
Spacing Criterion (90-270)	0.96
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.33 ft (Diameter)
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	1.03 ft

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3800	3857	3811
55	2160	2157	2132
65	1251	1263	1227
75	661	683	673
85	436	442	453

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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	2713.944	2713.944	2713.944	2713.944	2713.944
5	2711.042	2694.071	2648.291	2657.237	2621.766
10	2569.899	2592.569	2562.398	2545.291	2554.709
15	2377.528	2375.108	2368.414	2363.239	2369.179
20	2131.416	2139.472	2144.678	2139.419	2135.135
25	1872.292	1891.589	1884.769	1892.332	1881.092
30	1571.411	1568.111	1587.460	1591.556	1575.475
35	1237.729	1261.132	1257.937	1256.848	1264.925
40	943.877	937.036	941.604	939.121	933.914
45	690.505	693.951	700.719	697.440	692.474
50	511.637	517.158	511.260	515.199	513.492
55	386.135	387.696	385.548	380.666	381.054
60	292.961	291.369	287.744	289.599	288.362
65	213.124	212.464	215.177	211.144	209.059
70	153.997	152.499	155.621	152.153	151.724
75	103.660	106.227	107.138	108.615	105.493
80	71.436	73.678	72.787	73.929	69.864
85	60.342	60.059	61.285	59.420	62.688
90	19.988	21.162	19.423	20.187	19.276
95	33.544	32.957	34.215	32.916	30.883
100	28.264	27.667	28.139	27.657	27.688
105	21.748	21.780	21.738	21.465	21.685
110	16.238	16.824	17.443	16.835	16.741
115	14.069	14.583	13.975	13.451	13.022
120	10.738	10.790	11.566	10.989	11.387
125	9.753	9.072	8.957	9.481	8.999
130	8.077	8.213	8.569	7.721	7.972
135	7.826	7.585	6.998	7.103	7.396
140	7.595	8.349	7.627	8.035	7.721
145	8.507	9.062	9.732	9.083	10.769
150	11.146	10.005	9.523	10.696	7.951
155	8.423	8.978	8.307	7.323	8.475
160	7.050	7.176	8.224	7.207	7.700
165	4.421	5.207	5.730	5.301	4.117
170	4.044	3.321	3.394	2.818	2.755
175	1.289	0.964	1.289	0.796	1.613
180	0.314	0.314	0.314	0.314	0.314

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	915.90	N.A.	23.20
0-30	1776.79	N.A.	45.10
0-40	2560.93	N.A.	65.00
0-60	3459.36	N.A.	87.70
0-80	3790.02	N.A.	96.10
0-90	3848.34	N.A.	97.60
10-90	3596.85	N.A.	91.20
20-40	1645.04	N.A.	41.70
20-50	2192.27	N.A.	55.60
40-70	1113.15	N.A.	28.20
60-80	330.67	N.A.	8.40
70-80	115.94	N.A.	2.90
80-90	58.32	N.A.	1.50
90-110	54.45	N.A.	1.40
90-120	68.32	N.A.	1.70
90-130	76.80	N.A.	1.90
90-150	88.47	N.A.	2.20
90-180	94.14	N.A.	2.40
110-180	39.68	N.A.	1.00
0-180	3942.48	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	251.49
10-20	664.41
20-30	860.89
30-40	784.14
40-50	547.23
50-60	351.19
60-70	214.72
70-80	115.94
80-90	58.32
90-100	31.12
100-110	23.34
110-120	13.87
120-130	8.47
130-140	5.95
140-150	5.73
150-160	3.96
160-170	1.54
170-180	0.17

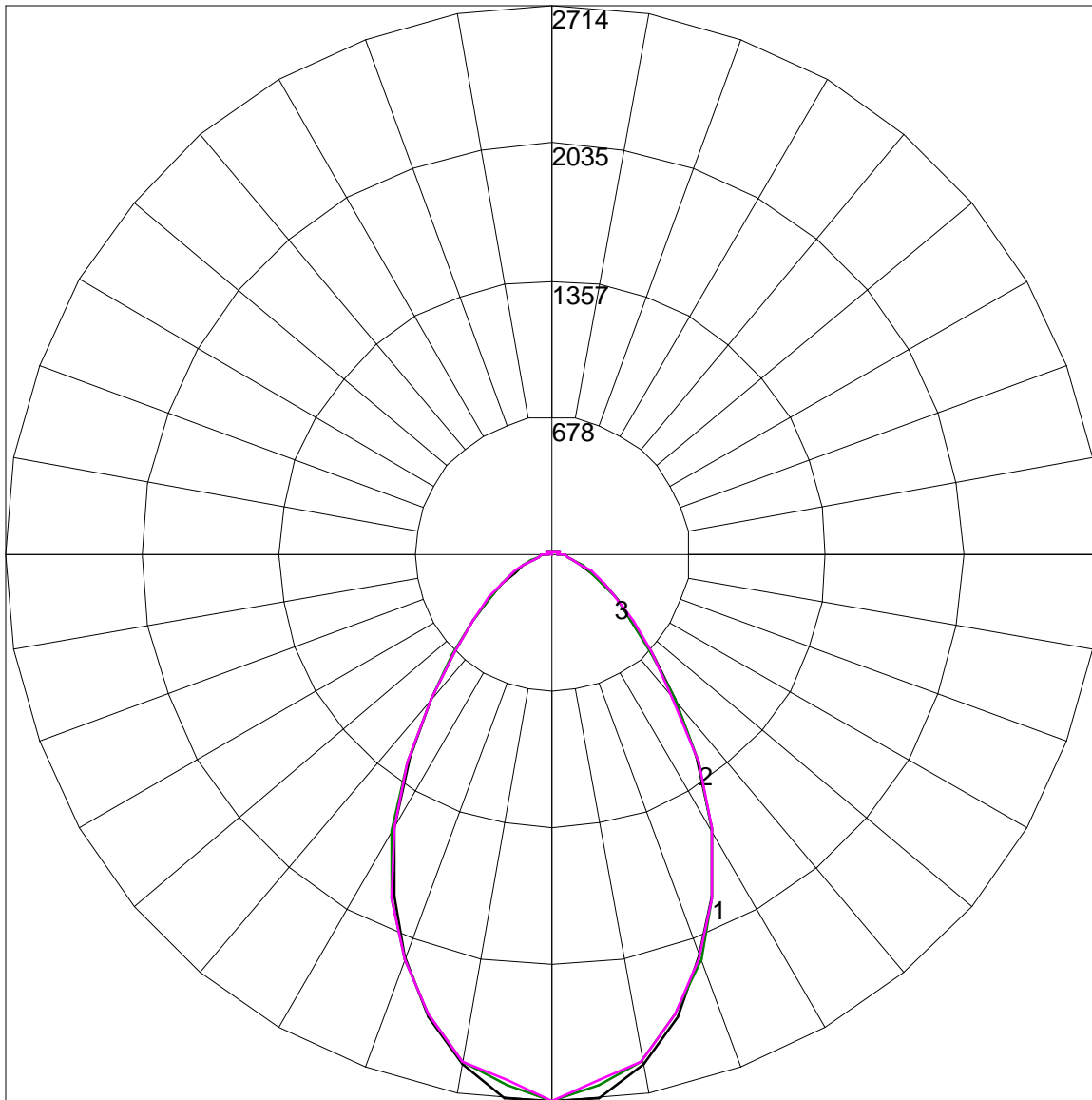
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	110	106	103	100	108	104	101	98	99	97	95	95	93	91	91	90	88	86
2	103	96	90	86	100	94	89	85	90	86	82	87	83	80	83	81	78	76
3	95	87	80	75	93	85	79	74	82	77	72	79	75	71	76	73	70	68
4	89	79	72	66	87	78	71	66	75	69	64	72	67	63	70	66	62	60
5	83	72	65	59	81	71	64	59	69	63	58	67	61	57	65	60	56	54
6	78	66	59	53	76	65	58	53	63	57	52	62	56	52	60	55	51	49
7	73	61	54	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	35

POLAR GRAPH



Maximum Candela = 2713.944 Located At Horizontal Angle = 0, Vertical Angle = 0

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

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

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