

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDGV-15L35KE1-PR16-FGR.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_34_M-15L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDGV-15L-35K-E1-PR16-FGR

[LUMINAIRE] LED Prismatic Tech Pendant with Frosted Glass Ring

[OTHER] 16" Diam. clear acrylic refractor

[OTHER] 22" Outside Diam. ring, with 16" Diam. Open Center

[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 55L Gen2

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1283
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	128
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.92
Spacing Criterion (90-270)	0.92
Spacing Criterion (Diagonal)	0.94
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	793	784	776
55	494	491	493
65	341	343	343
75	206	203	197
85	134	131	131

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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	1146.656	1146.656	1146.656	1146.656	1146.656
5	1100.971	1093.562	1084.840	1105.222	1090.571
10	1009.528	999.141	1002.914	1008.931	1010.242
15	912.848	916.584	918.132	919.035	914.759
20	822.346	828.450	836.514	825.994	827.588
25	758.213	753.499	757.086	754.669	759.477
30	640.868	634.312	639.404	641.599	638.170
35	418.553	418.153	415.875	413.219	408.858
40	211.067	211.870	213.064	206.089	204.327
45	144.106	140.378	142.509	144.342	140.995
50	109.303	109.036	108.014	108.111	106.697
55	88.374	88.421	87.829	87.107	88.146
60	72.989	73.164	72.420	72.403	72.009
65	58.119	58.788	58.438	57.910	58.521
70	44.340	43.959	44.842	44.415	44.284
75	32.233	31.478	31.794	31.180	30.952
80	22.141	22.343	21.841	22.146	21.407
85	18.496	18.546	18.149	17.832	18.160
90	3.875	3.786	3.734	3.570	3.511
95	2.136	2.289	2.161	2.175	2.300
100	3.178	3.256	3.295	3.234	3.270
105	3.700	3.567	3.428	3.478	3.811
110	3.214	3.092	2.903	3.153	3.345
115	2.661	2.547	2.372	2.681	2.592
120	2.017	2.172	2.406	2.175	2.145
125	2.033	1.961	2.111	1.997	1.908
130	1.756	1.964	1.800	1.972	1.745
135	1.947	1.992	1.945	2.159	2.086
140	2.128	2.114	2.156	2.336	2.211
145	2.811	2.864	2.620	2.828	2.711
150	2.947	2.861	2.831	2.864	3.061
155	2.675	2.622	2.759	2.800	2.981
160	2.725	2.403	2.725	2.492	2.964
165	2.278	2.486	2.397	3.161	2.239
170	2.300	2.781	2.381	2.634	2.289
175	1.728	2.167	1.581	2.234	2.247
180	1.645	1.645	1.645	1.645	1.645

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	359.82	N.A.	28.00
0-30	702.57	N.A.	54.80
0-40	962.03	N.A.	75.00
0-60	1157.66	N.A.	90.20
0-80	1249.68	N.A.	97.40
0-90	1266.61	N.A.	98.70
10-90	1164.69	N.A.	90.80
20-40	602.21	N.A.	46.90
20-50	718.07	N.A.	56.00
40-70	253.49	N.A.	19.80
60-80	92.02	N.A.	7.20
70-80	34.16	N.A.	2.70
80-90	16.93	N.A.	1.30
90-110	6.67	N.A.	0.50
90-120	9.26	N.A.	0.70
90-130	11.08	N.A.	0.90
90-150	14.31	N.A.	1.10
90-180	16.52	N.A.	1.30
110-180	9.85	N.A.	0.80
0-180	1283.13	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	101.92
10-20	257.90
20-30	342.74
30-40	259.46
40-50	115.86
50-60	79.76
60-70	57.86
70-80	34.16
80-90	16.93
90-100	3.10
100-110	3.56
110-120	2.59
120-130	1.82
130-140	1.57
140-150	1.66
150-160	1.28
160-170	0.73
170-180	0.20

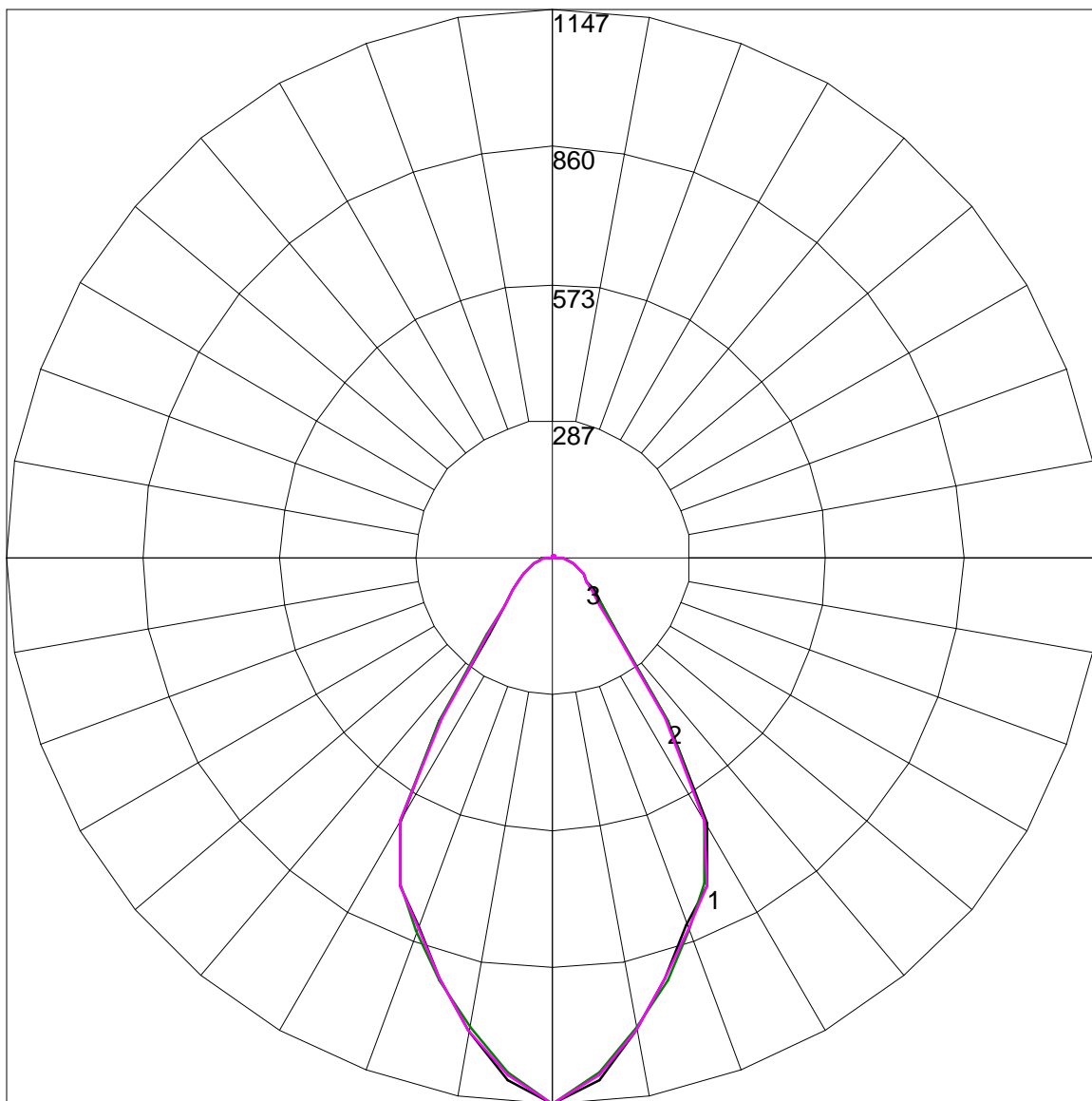
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	111	108	104	101	109	105	102	100	101	99	96	97	95	93	93	92	90	88
2	104	98	93	88	102	96	91	87	92	89	85	89	86	83	86	83	81	79
3	97	89	83	78	95	88	82	78	85	80	76	82	78	75	80	76	73	72
4	91	82	75	70	89	81	75	70	78	73	69	76	72	68	74	70	67	65
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	59
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	64	60	56	55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	60	56	52	50
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47
9	68	57	50	46	67	57	50	46	55	50	46	54	49	45	53	49	45	43
10	65	54	47	43	64	53	47	43	52	46	42	51	46	42	50	46	42	41

POLAR GRAPH



Maximum Candela = 1146.656 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)