

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDGV-27L35KE1-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-27L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDGV-27L-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	2240
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	18
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	1384	1369	1355
55	863	858	861
65	595	599	600
75	359	354	344
85	233	229	229

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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	2001.488	2001.488	2001.488	2001.488	2001.488
5	1921.746	1908.814	1893.588	1929.165	1903.591
10	1762.131	1744.001	1750.586	1761.089	1763.378
15	1593.377	1599.898	1602.599	1604.175	1596.713
20	1435.406	1446.059	1460.136	1441.773	1444.556
25	1323.462	1315.233	1321.493	1317.274	1325.668
30	1118.635	1107.192	1116.080	1119.910	1113.927
35	730.584	729.886	725.910	721.274	713.661
40	368.417	369.819	371.904	359.728	356.654
45	251.537	245.030	248.749	251.949	246.106
50	190.789	190.323	188.539	188.709	186.240
55	154.256	154.339	153.306	152.045	153.859
60	127.403	127.708	126.409	126.379	125.691
65	101.446	102.615	102.004	101.082	102.149
70	77.395	76.731	78.273	77.526	77.298
75	56.263	54.944	55.497	54.425	54.028
80	38.647	39.001	38.123	38.656	37.366
85	32.285	32.372	31.679	31.126	31.698
90	6.764	6.609	6.517	6.231	6.129
95	3.729	3.996	3.773	3.797	4.015
100	5.547	5.683	5.751	5.644	5.707
105	6.459	6.226	5.984	6.071	6.653
110	5.610	5.397	5.067	5.504	5.838
115	4.645	4.447	4.141	4.679	4.524
120	3.520	3.792	4.199	3.797	3.743
125	3.549	3.423	3.685	3.486	3.331
130	3.065	3.428	3.142	3.443	3.045
135	3.399	3.477	3.394	3.768	3.642
140	3.714	3.690	3.763	4.078	3.860
145	4.907	4.999	4.573	4.936	4.733
150	5.145	4.994	4.941	4.999	5.344
155	4.670	4.577	4.815	4.888	5.203
160	4.757	4.194	4.757	4.350	5.174
165	3.976	4.340	4.185	5.518	3.908
170	4.015	4.854	4.156	4.597	3.996
175	3.016	3.782	2.759	3.899	3.923
180	2.871	2.871	2.871	2.871	2.871

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	628.07	N.A.	28.00
0-30	1226.33	N.A.	54.80
0-40	1679.23	N.A.	75.00
0-60	2020.69	N.A.	90.20
0-80	2181.32	N.A.	97.40
0-90	2210.87	N.A.	98.70
10-90	2032.97	N.A.	90.80
20-40	1051.15	N.A.	46.90
20-50	1253.39	N.A.	56.00
40-70	442.46	N.A.	19.80
60-80	160.62	N.A.	7.20
70-80	59.63	N.A.	2.70
80-90	29.56	N.A.	1.30
90-110	11.63	N.A.	0.50
90-120	16.16	N.A.	0.70
90-130	19.34	N.A.	0.90
90-150	24.97	N.A.	1.10
90-180	28.84	N.A.	1.30
110-180	17.20	N.A.	0.80
0-180	2239.71	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.91
10-20	450.17
20-30	598.26
30-40	452.89
40-50	202.24
50-60	139.23
60-70	100.99
70-80	59.63
80-90	29.56
90-100	5.41
100-110	6.22
110-120	4.53
120-130	3.18
130-140	2.74
140-150	2.90
150-160	2.23
160-170	1.27
170-180	0.36

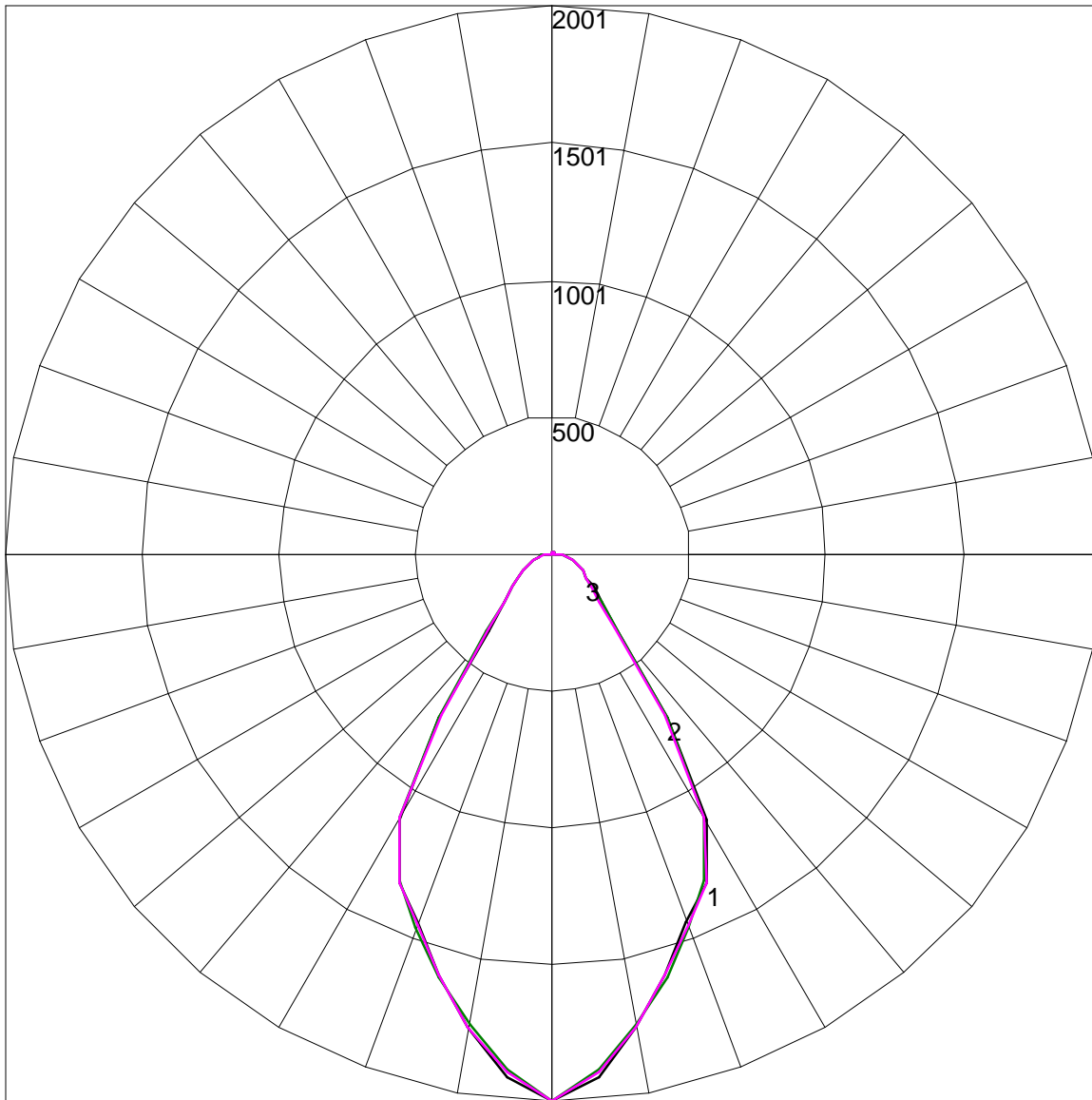
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	45	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 = 2001.488 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)