

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDGV-27L35KE1-PR16-1MR.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_35_M-27L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDGV-27L-35K-E1-PR16-1MR

[LUMINAIRE] LED Prismatic Tech Pendant with Formed Metal Ring

[OTHER] 16" Diam. clear acrylic refractor

[OTHER] 22" Outside Diam. ring, Matte White Finish, 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	2220
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
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

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRX16LEDGV-27L35KE1-PR16-1MR.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1294	1295	1313
55	832	815	807
65	581	567	569
75	354	348	351
85	125	131	128

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRX16LEDGV-27L35KE1-PR16-1MR.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1996.052	1996.052	1996.052	1996.052	1996.052
5	1900.939	1900.638	1906.035	1913.522	1895.847
10	1773.536	1756.473	1736.097	1757.898	1760.609
15	1578.931	1605.693	1588.969	1602.488	1595.631
20	1432.540	1439.469	1438.684	1441.986	1443.382
25	1297.549	1299.445	1313.303	1319.219	1311.790
30	1113.524	1106.450	1103.133	1120.080	1112.327
35	717.574	713.933	716.614	713.816	694.857
40	356.906	354.147	356.692	349.962	337.733
45	235.080	233.305	235.273	237.480	238.644
50	181.474	180.145	179.428	177.861	174.879
55	148.685	148.375	145.708	146.910	144.287
60	121.463	119.140	120.115	119.630	120.076
65	98.978	97.460	96.558	97.935	96.951
70	75.761	74.927	75.625	75.373	74.510
75	55.497	55.089	54.517	53.931	54.983
80	37.124	37.328	37.105	36.833	37.022
85	17.301	18.232	18.169	17.718	17.752
90	0.335	0.475	0.509	0.485	0.504
95	0.955	1.033	1.052	1.013	0.878
100	1.998	1.949	2.027	2.134	2.197
105	3.787	3.554	3.423	3.899	3.322
110	6.755	5.921	6.527	5.887	6.255
115	7.506	7.637	7.749	7.623	7.390
120	9.286	8.942	8.563	8.966	8.462
125	9.499	10.382	9.839	9.383	9.276
130	10.450	10.217	10.750	10.590	10.876
135	11.604	11.507	11.870	11.259	11.352
140	13.204	12.554	12.903	12.830	12.695
145	13.407	13.742	13.640	13.999	13.824
150	14.731	14.174	15.255	14.353	14.857
155	16.239	15.982	15.861	15.536	15.822
160	16.506	16.297	16.016	15.987	16.283
165	18.751	16.753	17.122	17.825	15.730
170	19.498	17.883	16.593	18.596	17.772
175	17.461	19.609	18.829	17.612	17.582
180	18.994	18.994	18.994	18.994	18.994

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRX16LEDGV-27L35KE1-PR16-1MR.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	626.45	N.A.	28.20
0-30	1220.97	N.A.	55.00
0-40	1667.09	N.A.	75.10
0-60	1992.21	N.A.	89.70
0-80	2147.32	N.A.	96.70
0-90	2167.3	N.A.	97.60
10-90	1989.77	N.A.	89.60
20-40	1040.64	N.A.	46.90
20-50	1233.25	N.A.	55.50
40-70	421.70	N.A.	19.00
60-80	155.12	N.A.	7.00
70-80	58.53	N.A.	2.60
80-90	19.98	N.A.	0.90
90-110	5.31	N.A.	0.20
90-120	12.81	N.A.	0.60
90-130	21.52	N.A.	1.00
90-150	39.11	N.A.	1.80
90-180	52.91	N.A.	2.40
110-180	47.59	N.A.	2.10
0-180	2220.21	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	177.53
10-20	448.93
20-30	594.51
30-40	446.13
40-50	192.61
50-60	132.50
60-70	96.59
70-80	58.53
80-90	19.98
90-100	1.23
100-110	4.08
110-120	7.50
120-130	8.71
130-140	8.97
140-150	8.61
150-160	7.22
160-170	4.84
170-180	1.75

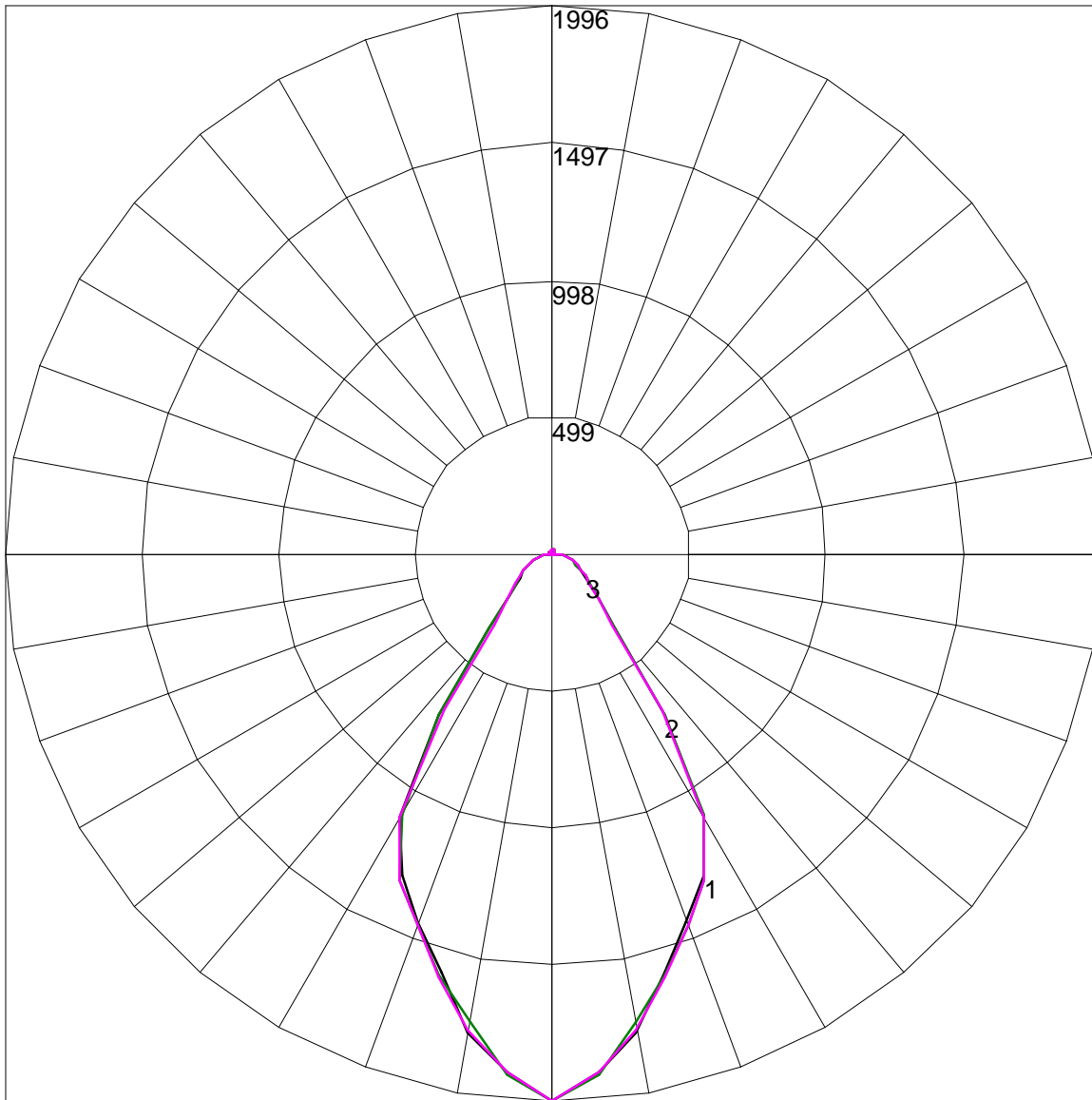
IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRX16LEDGV-27L35KE1-PR16-1MR.IES

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	111	108	104	102	108	105	102	100	101	98	96	96	95	93	93	91	90	88
2	104	98	93	89	101	96	91	87	92	88	85	89	86	83	86	83	81	79
3	97	90	83	79	95	88	82	78	85	80	76	82	78	75	79	76	73	71
4	91	82	76	71	89	81	75	70	78	73	69	76	71	68	74	70	67	65
5	86	76	69	64	84	75	68	64	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	66	59	54	75	65	58	53	63	57	53	62	56	53	60	56	52	50
8	72	61	54	50	71	61	54	49	59	53	49	58	53	49	57	52	48	47
9	68	57	51	46	67	57	50	46	56	50	46	54	49	45	53	49	45	44
10	65	54	47	43	64	53	47	43	52	47	43	51	46	42	50	46	42	41

POLAR GRAPH



Maximum Candela = 1996.052 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)