

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDGV-55L35KE1-PR16-1MR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

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

[ISSUEDATE]

[TESTDATE] Mon Jul 25 2016

[UPDATE] Fri Aug 4 2017

[TEST] SP-00392_35_M-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDGV-55L-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 Gen2

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4797
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	123
Total Luminaire Watts	39
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	2795	2798	2838
55	1797	1761	1744
65	1255	1224	1229
75	764	751	757
85	270	283	277

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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	4312.362	4312.362	4312.362	4312.362	4312.362
5	4106.875	4106.225	4117.885	4134.060	4095.875
10	3831.629	3794.763	3750.743	3797.843	3803.700
15	3411.195	3469.012	3432.881	3462.088	3447.275
20	3094.925	3109.895	3108.198	3115.332	3118.349
25	2803.283	2807.380	2837.320	2850.101	2834.051
30	2405.709	2390.424	2383.259	2419.872	2403.121
35	1550.280	1542.413	1548.206	1542.162	1501.200
40	771.076	765.115	770.615	756.074	729.653
45	507.876	504.042	508.296	513.062	515.576
50	392.064	389.194	387.643	384.260	377.817
55	321.226	320.555	314.793	317.391	311.724
60	262.413	257.395	259.501	258.453	259.417
65	213.836	210.557	208.609	211.584	209.457
70	163.677	161.875	163.384	162.839	160.974
75	119.898	119.018	117.782	116.514	118.787
80	80.204	80.644	80.162	79.576	79.984
85	37.378	39.390	39.254	38.279	38.353
90	0.723	1.027	1.100	1.048	1.090
95	2.064	2.231	2.273	2.189	1.896
100	4.316	4.211	4.379	4.609	4.746
105	8.182	7.679	7.396	8.423	7.176
110	14.593	12.791	14.101	12.718	13.514
115	16.217	16.500	16.741	16.468	15.965
120	20.062	19.318	18.501	19.370	18.281
125	20.522	22.429	21.256	20.271	20.041
130	22.576	22.073	23.225	22.880	23.498
135	25.069	24.860	25.645	24.325	24.524
140	28.526	27.122	27.877	27.719	27.426
145	28.966	29.689	29.469	30.244	29.867
150	31.826	30.621	32.957	31.009	32.098
155	35.084	34.529	34.267	33.565	34.183
160	35.660	35.210	34.602	34.539	35.178
165	40.511	36.195	36.991	38.510	33.984
170	42.124	38.635	35.849	40.175	38.395
175	37.724	42.365	40.678	38.049	37.986
180	41.034	41.034	41.034	41.034	41.034

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1353.42	N.A.	28.20
0-30	2637.84	N.A.	55.00
0-40	3601.67	N.A.	75.10
0-60	4304.05	N.A.	89.70
0-80	4639.17	N.A.	96.70
0-90	4682.33	N.A.	97.60
10-90	4298.79	N.A.	89.60
20-40	2248.25	N.A.	46.90
20-50	2664.37	N.A.	55.50
40-70	911.06	N.A.	19.00
60-80	335.12	N.A.	7.00
70-80	126.44	N.A.	2.60
80-90	43.16	N.A.	0.90
90-110	11.48	N.A.	0.20
90-120	27.68	N.A.	0.60
90-130	46.50	N.A.	1.00
90-150	84.48	N.A.	1.80
90-180	114.31	N.A.	2.40
110-180	102.82	N.A.	2.10
0-180	4796.64	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	383.54
10-20	969.88
20-30	1284.42
30-40	963.83
40-50	416.13
50-60	286.26
60-70	208.67
70-80	126.44
80-90	43.16
90-100	2.67
100-110	8.82
110-120	16.20
120-130	18.82
130-140	19.38
140-150	18.61
150-160	15.59
160-170	10.45
170-180	3.77

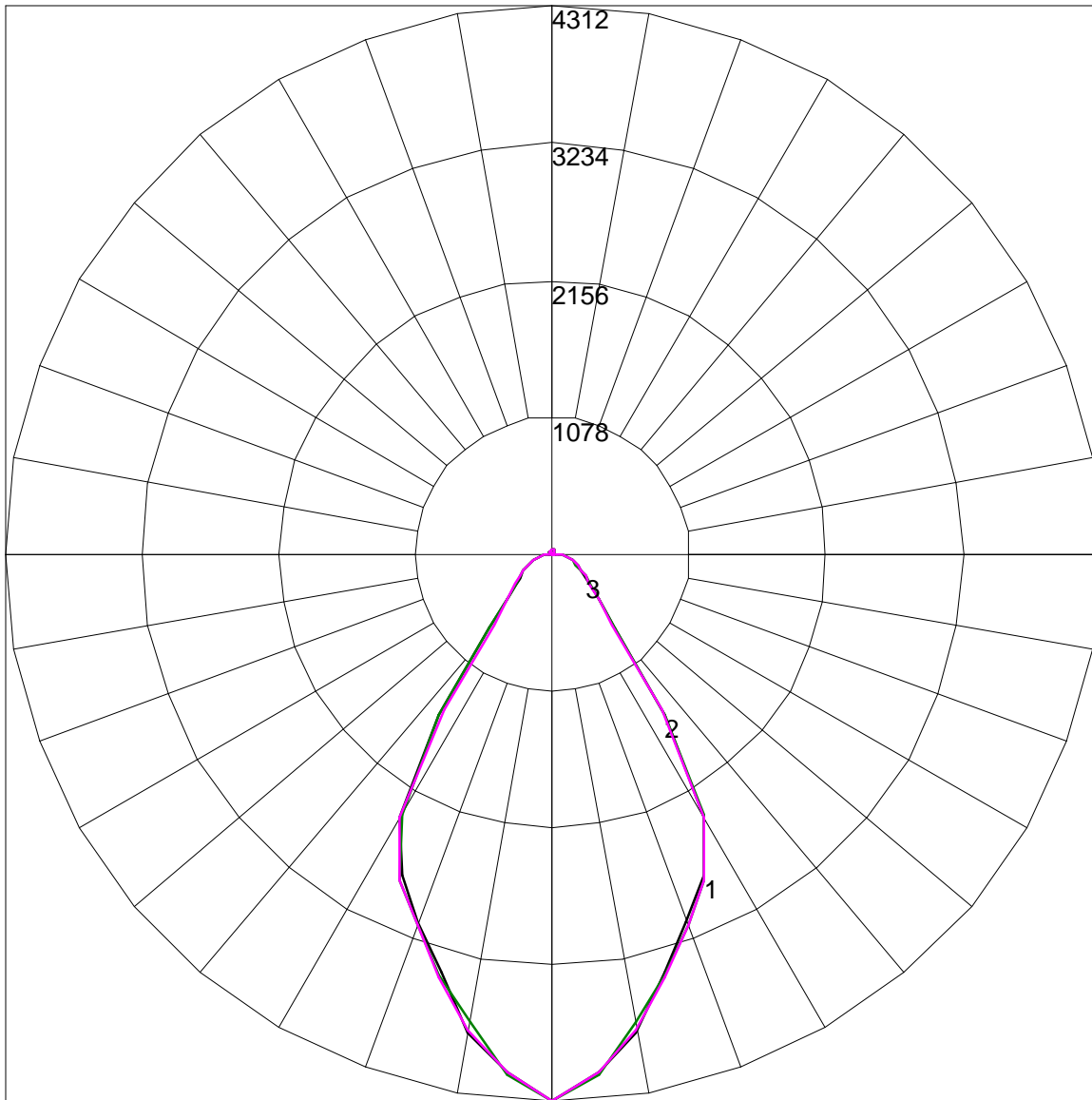
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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 = 4312.362 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)