

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRX16LEDGV-15L35KE1-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-15L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDGV-15L-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 55L Gen2

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1045
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	10
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	1008	1023	1011
55	573	572	565
65	332	335	325
75	175	181	178
85	116	117	120

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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	719.677	719.677	719.677	719.677	719.677
5	718.907	714.407	702.267	704.640	695.233
10	681.479	687.491	679.490	674.954	677.451
15	630.467	629.825	628.050	626.678	628.253
20	565.204	567.340	568.720	567.326	566.190
25	496.490	501.607	499.798	501.804	498.823
30	416.703	415.828	420.959	422.045	417.781
35	328.218	334.424	333.577	333.288	335.430
40	250.295	248.481	249.692	249.034	247.653
45	183.106	184.020	185.815	184.945	183.629
50	135.675	137.139	135.575	136.619	136.166
55	102.394	102.808	102.239	100.944	101.047
60	77.687	77.265	76.303	76.795	76.467
65	56.516	56.341	57.060	55.991	55.438
70	40.837	40.439	41.267	40.348	40.234
75	27.488	28.169	28.411	28.802	27.974
80	18.943	19.538	19.302	19.604	18.526
85	16.001	15.926	16.251	15.757	16.624
90	5.300	5.612	5.150	5.353	5.112
95	8.895	8.740	9.073	8.728	8.190
100	7.495	7.337	7.462	7.334	7.342
105	5.767	5.775	5.764	5.692	5.750
110	4.306	4.461	4.625	4.464	4.439
115	3.731	3.867	3.706	3.567	3.453
120	2.847	2.861	3.067	2.914	3.020
125	2.586	2.406	2.375	2.514	2.386
130	2.142	2.178	2.272	2.047	2.114
135	2.075	2.011	1.856	1.883	1.961
140	2.014	2.214	2.022	2.131	2.047
145	2.256	2.403	2.581	2.409	2.856
150	2.956	2.653	2.525	2.836	2.109
155	2.234	2.381	2.203	1.942	2.247
160	1.870	1.903	2.181	1.911	2.042
165	1.172	1.381	1.520	1.406	1.092
170	1.072	0.881	0.900	0.747	0.731
175	0.342	0.256	0.342	0.211	0.428
180	0.083	0.083	0.083	0.083	0.083

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	242.88	N.A.	23.20
0-30	471.16	N.A.	45.10
0-40	679.10	N.A.	65.00
0-60	917.34	N.A.	87.70
0-80	1005.03	N.A.	96.10
0-90	1020.49	N.A.	97.60
10-90	953.80	N.A.	91.20
20-40	436.23	N.A.	41.70
20-50	581.34	N.A.	55.60
40-70	295.18	N.A.	28.20
60-80	87.69	N.A.	8.40
70-80	30.75	N.A.	2.90
80-90	15.46	N.A.	1.50
90-110	14.44	N.A.	1.40
90-120	18.12	N.A.	1.70
90-130	20.36	N.A.	1.90
90-150	23.46	N.A.	2.20
90-180	24.96	N.A.	2.40
110-180	10.52	N.A.	1.00
0-180	1045.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	66.69
10-20	176.19
20-30	228.29
30-40	207.94
40-50	145.11
50-60	93.13
60-70	56.94
70-80	30.75
80-90	15.46
90-100	8.25
100-110	6.19
110-120	3.68
120-130	2.25
130-140	1.58
140-150	1.52
150-160	1.05
160-170	0.41
170-180	0.05

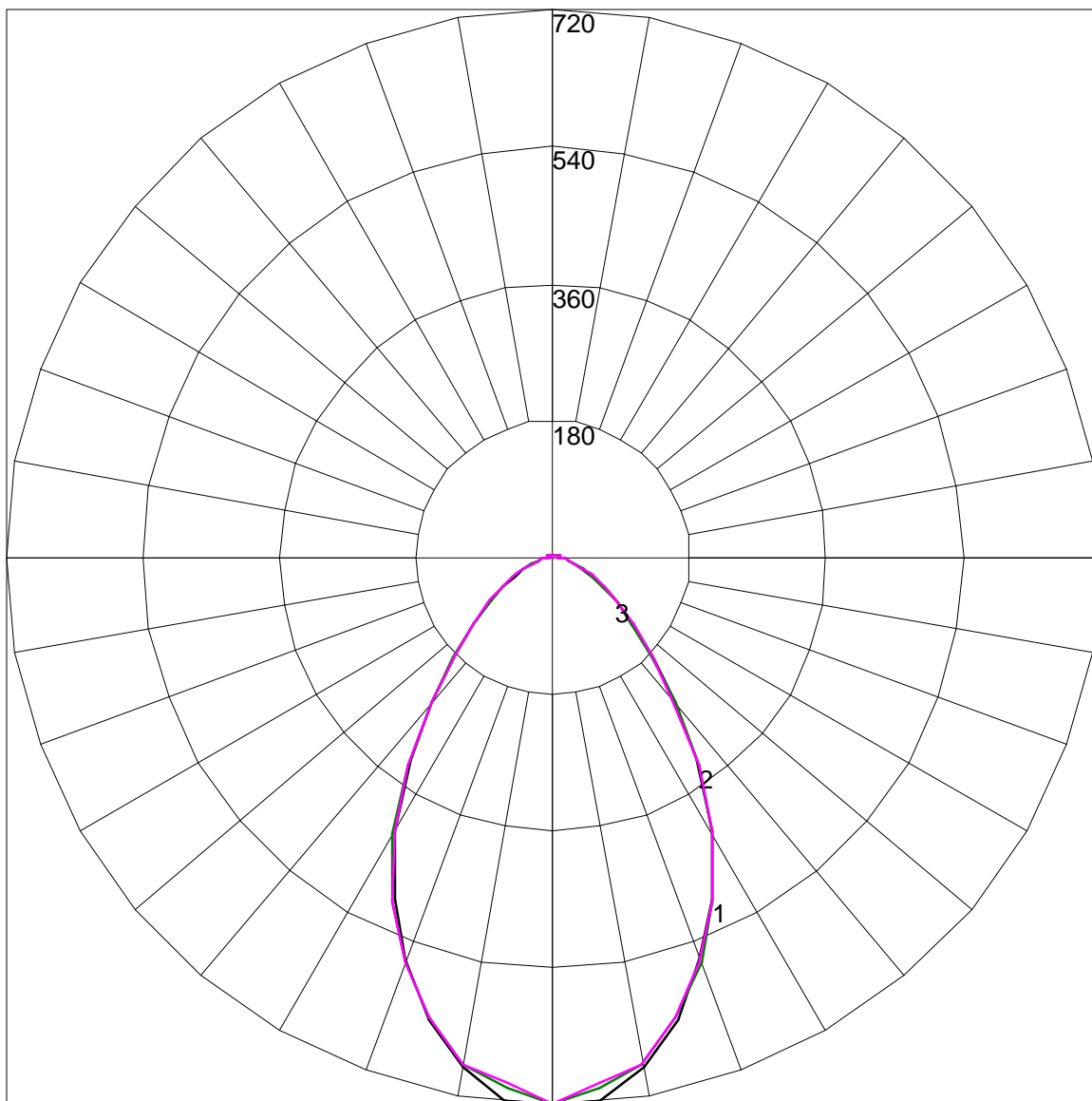
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	110	107	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 = 719.677 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)