

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PRX16LEDGV-37L35KE1-PR16-1MR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TESTLAB] Photopia 2015.1.1 see: [www.ltioptics.com/ies](http://www.ltioptics.com/ies)

[ISSUEDATE]

[TESTDATE] Mon Jul 25 2016

[UPDATE] Fri Aug 4 2017

[TEST] SP-00392\_35\_M-37L-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDGV-37L-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	3257
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	125
Total Luminaire Watts	26
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	1898	1900	1927
55	1220	1196	1184
65	852	831	835
75	519	510	514
85	183	192	188

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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>
<b>0</b>	2928.010	2928.010	2928.010	2928.010	2928.010
<b>5</b>	2788.488	2788.047	2795.964	2806.946	2781.019
<b>10</b>	2601.601	2576.570	2546.682	2578.662	2582.638
<b>15</b>	2316.135	2355.392	2330.859	2350.690	2340.632
<b>20</b>	2101.394	2111.558	2110.406	2115.250	2117.298
<b>25</b>	1903.375	1906.156	1926.485	1935.163	1924.266
<b>30</b>	1633.429	1623.051	1618.186	1643.046	1631.672
<b>35</b>	1052.610	1047.268	1051.202	1047.098	1019.286
<b>40</b>	523.545	519.498	523.232	513.359	495.420
<b>45</b>	344.838	342.235	345.123	348.359	350.066
<b>50</b>	266.204	264.255	263.202	260.905	256.530
<b>55</b>	218.106	217.651	213.739	215.503	211.654
<b>60</b>	178.174	174.766	176.196	175.485	176.139
<b>65</b>	145.191	142.964	141.641	143.661	142.217
<b>70</b>	111.134	109.910	110.934	110.564	109.298
<b>75</b>	81.408	80.811	79.971	79.111	80.654
<b>80</b>	54.457	54.756	54.429	54.030	54.308
<b>85</b>	25.379	26.745	26.652	25.991	26.041
<b>90</b>	0.491	0.697	0.747	0.711	0.740
<b>95</b>	1.401	1.515	1.544	1.487	1.287
<b>100</b>	2.931	2.859	2.973	3.130	3.222
<b>105</b>	5.555	5.214	5.022	5.719	4.872
<b>110</b>	9.908	8.685	9.574	8.635	9.176
<b>115</b>	11.011	11.203	11.367	11.182	10.840
<b>120</b>	13.621	13.116	12.562	13.152	12.412
<b>125</b>	13.934	15.229	14.432	13.764	13.607
<b>130</b>	15.329	14.987	15.770	15.535	15.954
<b>135</b>	17.021	16.879	17.413	16.516	16.652
<b>140</b>	19.369	18.416	18.928	18.821	18.622
<b>145</b>	19.667	20.158	20.009	20.535	20.279
<b>150</b>	21.609	20.791	22.377	21.054	21.794
<b>155</b>	23.821	23.444	23.267	22.790	23.210
<b>160</b>	24.213	23.907	23.494	23.452	23.885
<b>165</b>	27.506	24.575	25.116	26.147	23.075
<b>170</b>	28.601	26.233	24.341	27.278	26.069
<b>175</b>	25.614	28.765	27.620	25.834	25.792
<b>180</b>	27.862	27.862	27.862	27.862	27.862

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	918.95	N.A.	28.20
0-30	1791.04	N.A.	55.00
0-40	2445.46	N.A.	75.10
0-60	2922.37	N.A.	89.70
0-80	3149.91	N.A.	96.70
0-90	3179.21	N.A.	97.60
10-90	2918.8	N.A.	89.60
20-40	1526.52	N.A.	46.90
20-50	1809.06	N.A.	55.50
40-70	618.59	N.A.	19.00
60-80	227.54	N.A.	7.00
70-80	85.85	N.A.	2.60
80-90	29.30	N.A.	0.90
90-110	7.80	N.A.	0.20
90-120	18.80	N.A.	0.60
90-130	31.57	N.A.	1.00
90-150	57.36	N.A.	1.80
90-180	77.61	N.A.	2.40
110-180	69.82	N.A.	2.10
0-180	3256.82	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	260.41
10-20	658.53
20-30	872.09
30-40	654.42
40-50	282.54
50-60	194.36
60-70	141.69
70-80	85.85
80-90	29.30
90-100	1.81
100-110	5.99
110-120	11.00
120-130	12.78
130-140	13.16
140-150	12.63
150-160	10.59
160-170	7.10
170-180	2.56

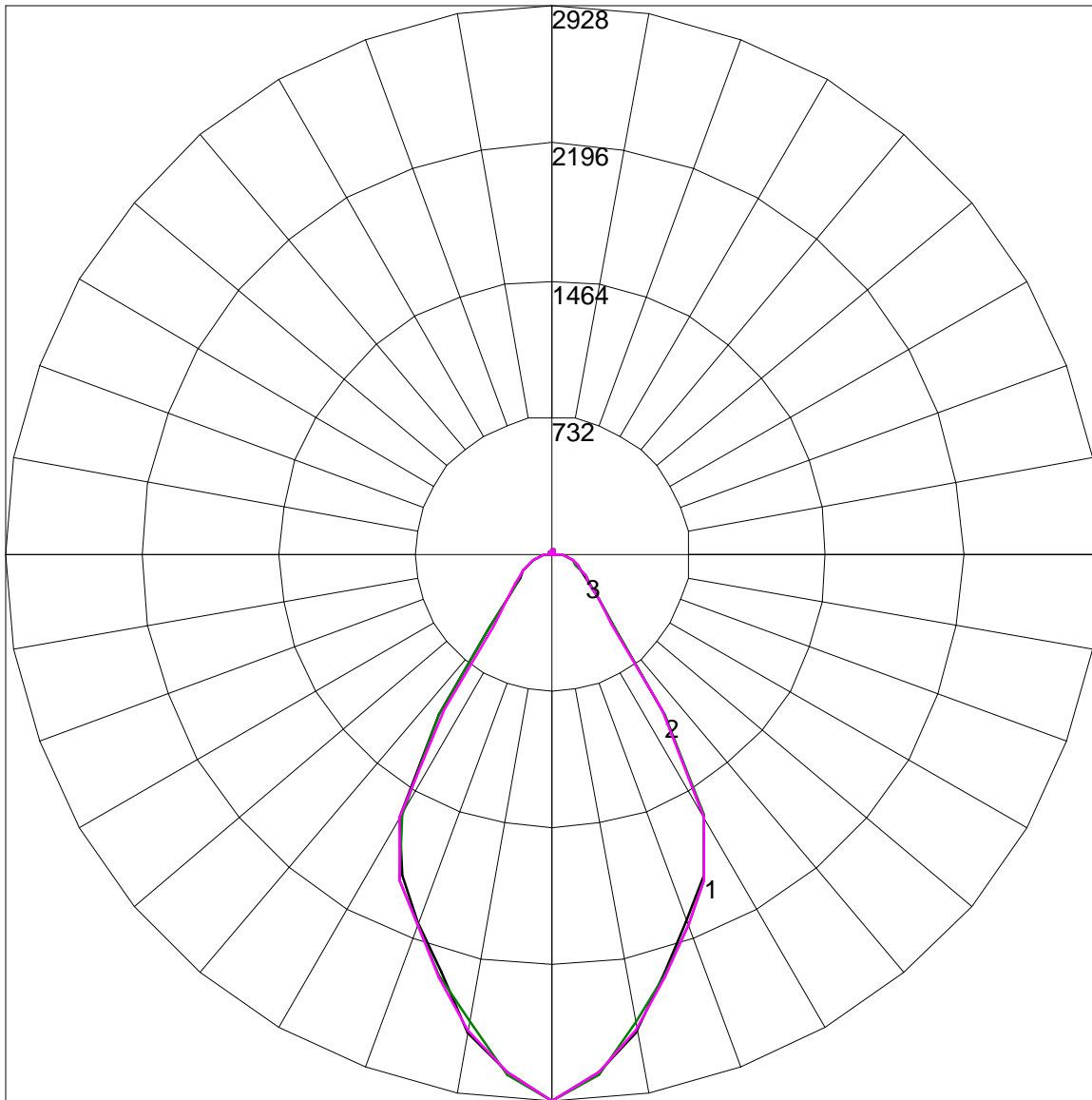
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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 = 2928.01 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)