

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : PRX16LEDGV-55L35KE1-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-Gen3

[MANUFAC] Spectrum Lighting

[LUMCAT] PRX16LEDGV-55L-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 Gen2

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4839
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
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	2991	2958	2926
55	1864	1853	1860
65	1286	1293	1295
75	775	764	744
85	503	494	494

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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>	4324.105	4324.105	4324.105	4324.105	4324.105
<b>5</b>	4151.827	4123.888	4090.993	4167.856	4112.605
<b>10</b>	3806.989	3767.819	3782.046	3804.737	3809.681
<b>15</b>	3442.403	3456.493	3462.329	3465.733	3449.611
<b>20</b>	3101.116	3124.132	3154.544	3114.871	3120.884
<b>25</b>	2859.267	2841.489	2855.014	2845.900	2864.034
<b>30</b>	2416.750	2392.027	2411.230	2419.506	2406.578
<b>35</b>	1578.388	1576.879	1568.289	1558.274	1541.826
<b>40</b>	795.946	798.973	803.478	777.173	770.531
<b>45</b>	543.432	529.373	537.408	544.323	531.699
<b>50</b>	412.189	411.183	407.328	407.695	402.362
<b>55</b>	333.263	333.441	331.209	328.485	332.403
<b>60</b>	275.246	275.906	273.099	273.036	271.548
<b>65</b>	219.168	221.693	220.373	218.383	220.687
<b>70</b>	167.207	165.772	169.104	167.490	166.998
<b>75</b>	121.553	118.704	119.898	117.583	116.724
<b>80</b>	83.494	84.258	82.362	83.515	80.728
<b>85</b>	69.749	69.938	68.440	67.245	68.482
<b>90</b>	14.614	14.279	14.080	13.462	13.242
<b>95</b>	8.056	8.632	8.150	8.203	8.674
<b>100</b>	11.985	12.278	12.425	12.194	12.330
<b>105</b>	13.954	13.451	12.927	13.116	14.373
<b>110</b>	12.121	11.660	10.947	11.890	12.613
<b>115</b>	10.036	9.606	8.947	10.109	9.774
<b>120</b>	7.606	8.192	9.072	8.203	8.087
<b>125</b>	7.668	7.396	7.962	7.532	7.197
<b>130</b>	6.621	7.407	6.788	7.438	6.579
<b>135</b>	7.344	7.511	7.333	8.140	7.867
<b>140</b>	8.025	7.972	8.129	8.810	8.339
<b>145</b>	10.602	10.801	9.879	10.665	10.225
<b>150</b>	11.115	10.790	10.675	10.801	11.545
<b>155</b>	10.088	9.889	10.403	10.560	11.241
<b>160</b>	10.277	9.062	10.277	9.397	11.178
<b>165</b>	8.590	9.376	9.041	11.922	8.444
<b>170</b>	8.674	10.486	8.978	9.931	8.632
<b>175</b>	6.516	8.171	5.961	8.423	8.475
<b>180</b>	6.202	6.202	6.202	6.202	6.202

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1356.92	N.A.	28.00
0-30	2649.42	N.A.	54.80
0-40	3627.88	N.A.	75.00
0-60	4365.6	N.A.	90.20
0-80	4712.62	N.A.	97.40
0-90	4776.47	N.A.	98.70
10-90	4392.12	N.A.	90.80
20-40	2270.96	N.A.	46.90
20-50	2707.88	N.A.	56.00
40-70	955.91	N.A.	19.80
60-80	347.02	N.A.	7.20
70-80	128.83	N.A.	2.70
80-90	63.86	N.A.	1.30
90-110	25.14	N.A.	0.50
90-120	34.91	N.A.	0.70
90-130	41.77	N.A.	0.90
90-150	53.96	N.A.	1.10
90-180	62.30	N.A.	1.30
110-180	37.16	N.A.	0.80
0-180	4838.77	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	384.36
10-20	972.56
20-30	1292.5
30-40	978.45
40-50	436.93
50-60	300.80
60-70	218.19
70-80	128.83
80-90	63.86
90-100	11.70
100-110	13.44
110-120	9.78
120-130	6.86
130-140	5.92
140-150	6.26
150-160	4.82
160-170	2.75
170-180	0.77

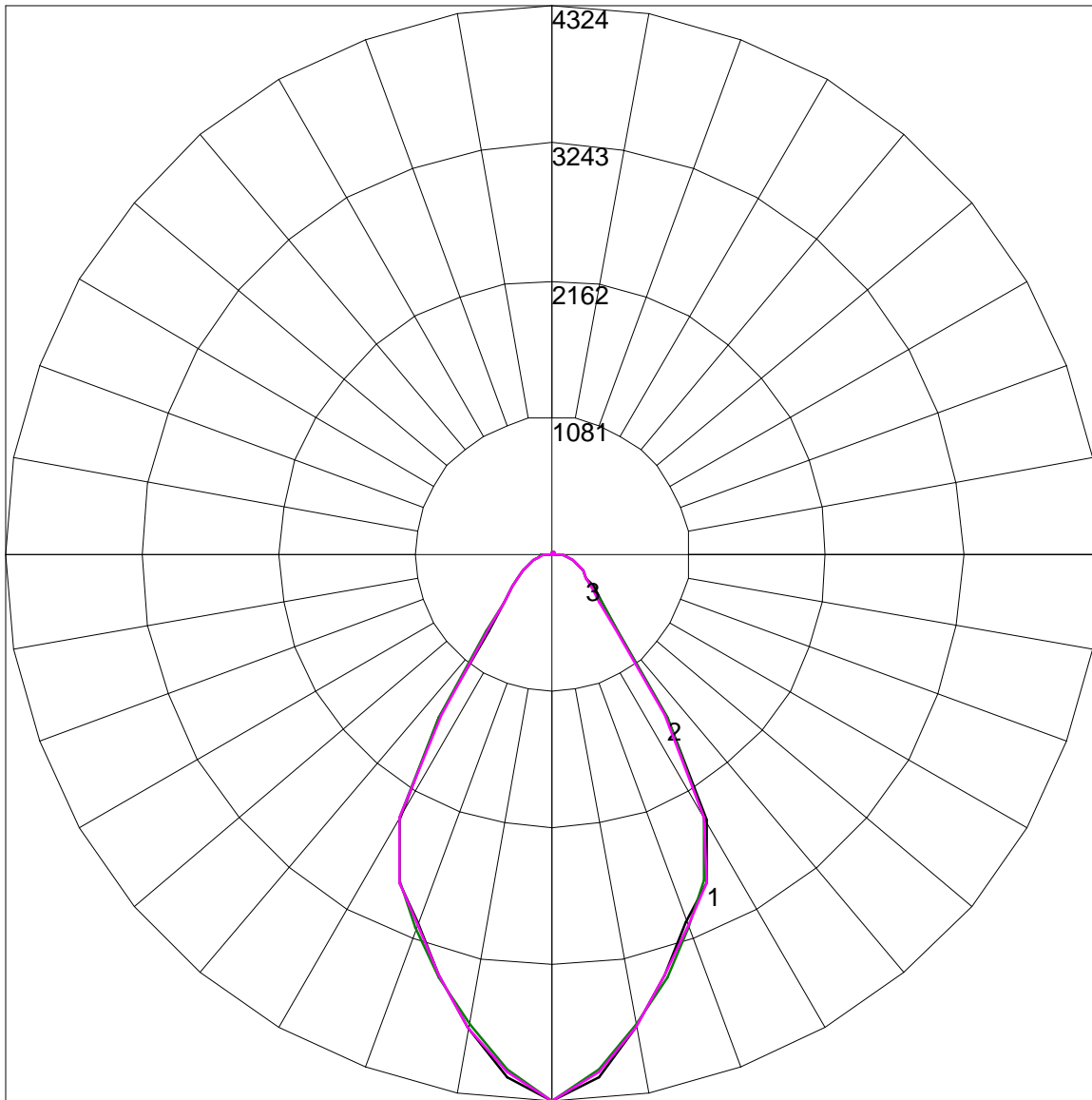
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	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	46	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 = 4324.105 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)