

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : PRXXX16LEDGV-15L35KE1-PR16.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST]101925754CRT-003\_M-15L  
 [TESTLAB]Intertek  
 [LAB-REF LUMCAT]1412221322-001-001\_M-15L  
 [ISSUE DATE]12/25/2014  
 [UPDATE] 12/02/2015  
 [MANUFAC]SPECTRUM  
 [LUMCAT]PRxxx16LEDGV-15L-35K-E1/PR16  
 [LUMINAIRE]For PRDDH and PREXT Series, 16" Prismatic acrylic refractor, Open Aperture  
 [LAMP]N/A, min. 85 CRI  
 [LAMPCAT]N/A  
 [OTHER]Total Luminaire Watts is approximate  
 [OTHER]Output Multipliers for other CCT's: 50K x 1.07; 40K x 1.03; 30K x 0.98; 27K x 0.97  
 [OTHER]This report updated by Spectrum Lighting, scaled from 55W-35K report

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1290
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	12.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.94
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.33 ft (Diameter)
Luminous Height	0.46 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1037	1025	1012
55	768	771	777
65	646	652	652
75	507	504	503
85	423	424	424

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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>
0.0	1069.110	1069.110	1069.110	1069.110	1069.110
2.5	1058.346	1058.999	1059.626	1061.257	1062.260
5.0	1036.041	1036.995	1037.647	1037.421	1037.446
7.5	1004.754	1006.435	1005.783	1004.579	1002.722
10.0	969.377	970.933	970.732	969.829	967.420
12.5	923.864	925.846	926.800	926.975	925.369
15.0	870.422	871.451	871.576	873.057	872.806
17.5	811.511	811.059	809.428	811.110	812.916
20.0	756.062	754.532	753.327	753.754	754.657
22.5	716.445	716.269	715.642	715.241	715.943
25.0	670.932	671.158	671.659	671.584	673.968
27.5	625.970	625.368	624.590	624.540	628.304
30.0	581.034	582.540	585.400	589.063	590.794
32.5	512.388	513.091	510.130	496.581	499.065
35.0	382.096	379.361	371.131	351.135	351.762
37.5	250.775	246.158	236.599	220.591	218.007
40.0	177.160	176.533	174.426	172.694	169.383
42.5	156.085	156.562	155.056	154.128	151.318
45.0	136.465	136.214	134.884	135.285	133.203
47.5	117.547	117.095	116.142	117.296	116.267
50.0	106.532	106.407	106.055	107.360	106.708
52.5	99.080	99.256	99.181	100.636	99.883
55.0	92.657	93.009	93.034	94.389	93.736
57.5	86.335	87.037	87.263	88.342	87.790
60.0	80.263	80.991	81.317	82.120	81.593
62.5	74.291	74.894	75.270	75.797	75.370
65.0	68.546	69.023	69.173	69.499	69.173
67.5	62.374	62.675	62.700	62.876	62.600
70.0	56.252	56.478	56.302	56.427	56.026
72.5	50.356	50.356	50.230	50.255	50.105
75.0	44.836	44.535	44.535	44.585	44.459
77.5	39.968	39.316	39.291	39.366	39.316
80.0	35.728	35.277	35.352	35.452	35.377
82.5	32.190	31.889	31.990	32.040	31.990
85.0	28.753	28.703	28.803	28.828	28.803
87.5	25.968	25.993	26.144	26.219	26.169
90.0	23.785	23.936	24.137	24.137	24.061
92.5	21.954	22.129	22.330	22.230	22.180
95.0	20.273	20.549	20.624	20.574	20.549
97.5	18.868	19.119	19.244	19.144	19.194
100.0	17.563	17.864	17.864	17.764	17.889
102.5	16.459	16.735	16.635	16.559	16.710
105.0	15.531	15.757	15.581	15.481	15.706
107.5	14.703	14.878	14.703	14.602	14.753
110.0	13.900	13.900	13.774	13.749	13.749
112.5	12.997	12.946	12.946	12.896	12.821
115.0	12.269	12.169	12.144	12.093	12.144
117.5	11.617	11.541	11.541	11.541	11.516
120.0	11.040	11.015	11.040	10.939	10.939
122.5	10.488	10.513	10.488	10.463	10.437
125.0	9.885	9.936	9.911	9.860	9.860
127.5	9.233	9.283	9.308	9.258	9.283
130.0	8.681	8.731	8.681	8.706	8.656
132.5	8.330	8.380	8.380	8.355	8.330

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**CANDELA TABULATION - (Cont.)**

<b>135.0</b>	8.230	8.280	8.255	8.204	8.204
<b>137.5</b>	8.104	8.129	8.154	8.104	8.129
<b>140.0</b>	8.029	8.054	8.029	8.004	7.979
<b>142.5</b>	7.928	7.954	7.928	7.903	7.928
<b>145.0</b>	7.853	7.853	7.878	7.878	7.853
<b>147.5</b>	7.803	7.828	7.828	7.828	7.828
<b>150.0</b>	7.903	7.903	7.954	7.903	7.928
<b>152.5</b>	7.979	8.029	8.054	8.004	8.029
<b>155.0</b>	7.979	7.979	8.154	8.029	8.004
<b>157.5</b>	7.878	8.054	8.204	8.054	7.878
<b>160.0</b>	7.828	8.054	8.154	8.079	7.803
<b>162.5</b>	7.703	7.954	8.004	7.954	7.728
<b>165.0</b>	7.477	7.678	7.753	7.728	7.477
<b>167.5</b>	7.201	7.276	7.427	7.376	7.201
<b>170.0</b>	6.850	6.900	7.100	7.025	6.850
<b>172.5</b>	6.373	6.398	6.448	6.398	6.273
<b>175.0</b>	5.746	5.821	5.821	5.771	5.645
<b>177.5</b>	5.419	5.520	5.545	5.495	5.294
<b>180.0</b>	5.369	5.369	5.369	5.369	5.369

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	339.61	N.A.	26.30
0-30	647.72	N.A.	50.20
0-40	875.72	N.A.	67.90
0-60	1064.73	N.A.	82.50
0-80	1180.58	N.A.	91.50
0-90	1212.37	N.A.	93.90
10-90	1115.55	N.A.	86.40
20-40	536.10	N.A.	41.50
20-50	641.35	N.A.	49.70
40-70	257.31	N.A.	19.90
60-80	115.85	N.A.	9.00
70-80	47.56	N.A.	3.70
80-90	31.79	N.A.	2.50
90-110	39.21	N.A.	3.00
90-120	51.39	N.A.	4.00
90-130	60.27	N.A.	4.70
90-150	71.64	N.A.	5.60
90-180	78.12	N.A.	6.10
110-180	38.91	N.A.	3.00
0-180	1290.49	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	96.83
10-20	242.78
20-30	308.11
30-40	227.99
40-50	105.24
50-60	83.77
60-70	68.30
70-80	47.56
80-90	31.79
90-100	22.59
100-110	16.62
110-120	12.18
120-130	8.88
130-140	6.41
140-150	4.96
150-160	3.71
160-170	2.17
170-180	0.59

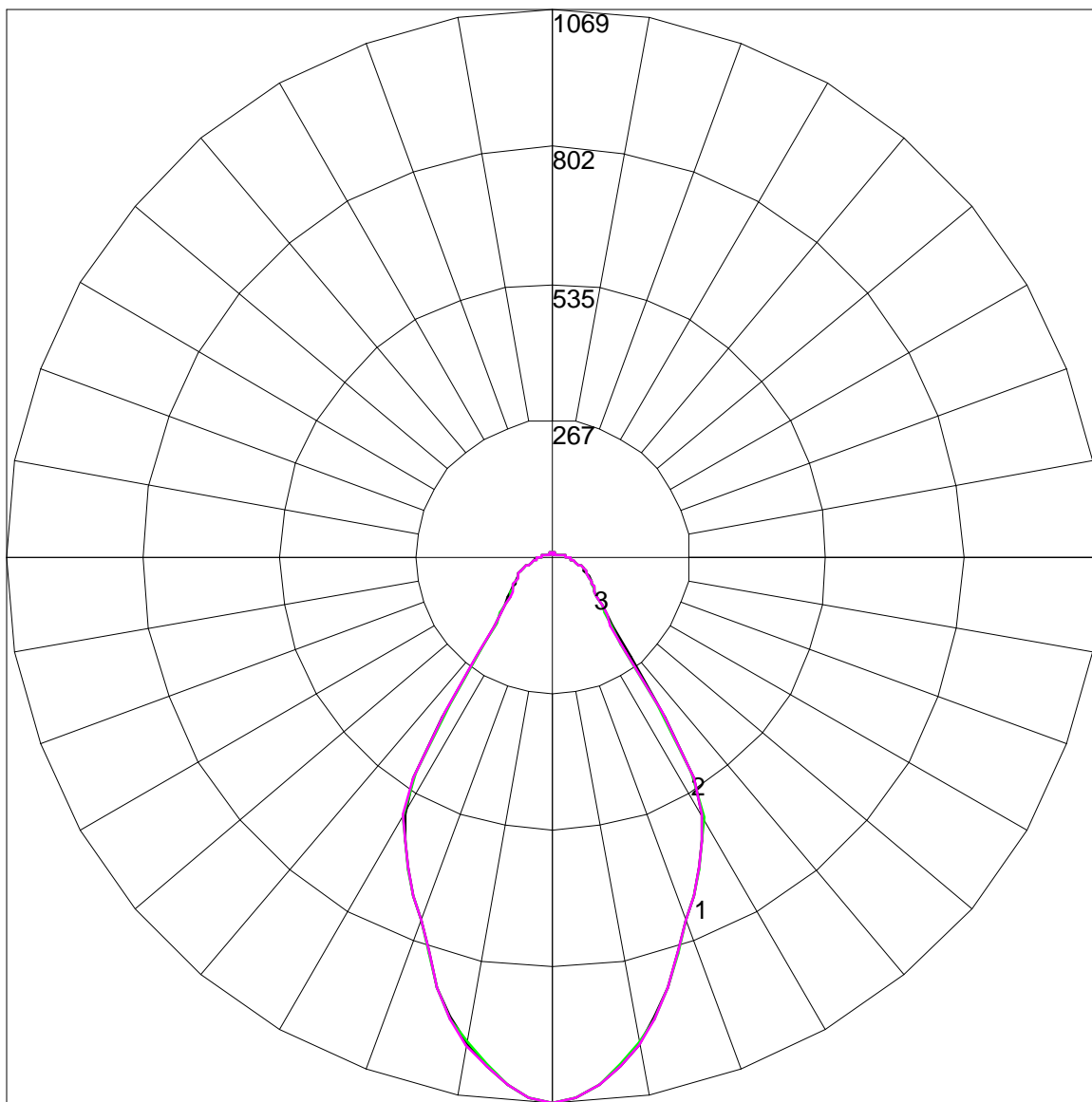
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	109	105	102	99	106	102	99	96	97	95	92	92	90	88	88	86	85	82
2	102	95	90	85	99	93	88	84	88	84	81	84	81	78	81	78	76	73
3	95	86	80	75	92	85	79	74	81	76	72	78	73	70	74	71	68	66
4	89	79	72	67	86	78	71	66	74	69	64	72	67	63	69	65	62	60
5	83	73	66	60	81	72	65	60	69	63	59	66	61	57	64	60	56	54
6	78	67	60	55	76	66	59	54	64	58	54	62	57	53	60	55	52	50
7	74	63	55	50	72	62	55	50	60	54	49	58	53	49	56	51	48	46
8	70	58	51	46	68	58	51	46	56	50	46	54	49	45	53	48	44	43
9	66	55	48	43	64	54	47	43	52	47	42	51	46	42	50	45	41	40
10	63	51	45	40	61	51	44	40	49	44	40	48	43	39	47	42	39	37

POLAR GRAPH



Maximum Candela = 1069.11 Located At Horizontal Angle = 0, Vertical Angle = 0

# 1 - Vertical Plane Through Horizontal Angles (0 - 180)

# 2 - Vertical Plane Through Horizontal Angles (90 - 270)

# 3 - Vertical Plane Through Horizontal Angles (45 - 225)