

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDLX-65L35KE1-PR16.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 101537614CRT-019_M-65L
 [TESTLAB] Intertek
 [LAB-REF LUMCAT] CRT1411051054-003_M-65L
 [ISSUEDATE] 11/13/2014
 [UPDATE] 05/19/2016
 [MANUFAC] SPECTRUM LIGHTING
 [LUMCAT] PRxxx16LEDLX-65L-35K-E1-PR16
 [LUMINAIRE] 16" Diam. Prismatic Acrylic Refractor, PRDDH or PREXT Series, Open Aperture
 [LAMP] N/A
 [LAMPCAT] N/A
 [OTHER] Total Luminaire Watts is approximate
 [OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.979, 27K x 0.959
 [OTHER] Catalog Number Update: 60W changed to 65L
 [OTHER] This report updated by Spectrum ighting, scaled from 100L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6173
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	59
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.88
Spacing Criterion (90-270)	0.88
Spacing Criterion (Diagonal)	0.88
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	3382	3548	3380
55	1742	1782	1666
65	1130	1139	1112
75	548	553	556
85	324	318	314

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDLX-65L35KE1-PR16.IES

CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	6787.473	6787.473	6787.473	6787.473	6787.473
2.5	6799.073	6792.340	6788.339	6786.406	6787.873
5.0	6847.876	6843.809	6821.608	6834.608	6862.210
7.5	6851.009	6829.275	6803.740	6830.742	6849.609
10.0	6708.735	6671.067	6664.733	6678.867	6684.668
12.5	6450.589	6403.720	6389.386	6398.987	6408.454
15.0	6139.907	6069.170	6056.903	6044.102	6065.903
17.5	5704.752	5640.149	5612.414	5596.547	5634.748
20.0	5135.590	5069.720	5037.119	5024.318	5092.321
22.5	4578.162	4538.960	4520.693	4497.158	4571.895
25.0	4149.207	4117.073	4112.006	4097.938	4141.607
27.5	3685.918	3679.517	3700.652	3692.651	3723.653
30.0	3073.887	3071.287	3132.957	3135.757	3150.358
32.5	2338.250	2326.116	2427.588	2431.988	2439.455
35.0	1667.283	1656.416	1748.287	1747.354	1762.888
37.5	1108.055	1103.989	1187.393	1168.925	1189.526
40.0	732.170	717.636	771.905	754.304	764.238
42.5	560.761	558.361	584.496	573.229	568.495
45.0	445.022	449.956	466.890	457.956	444.756
47.5	352.751	362.751	374.019	365.685	351.751
50.0	276.414	285.481	292.681	287.014	273.214
52.5	236.078	242.479	246.079	240.679	229.278
55.0	210.277	214.211	215.077	210.811	201.143
57.5	186.809	188.876	187.609	185.409	178.142
60.0	161.208	163.942	161.141	160.475	155.741
62.5	138.474	140.607	139.674	140.074	135.140
65.0	120.006	120.806	120.939	121.406	118.073
67.5	101.538	101.272	102.738	101.672	100.938
70.0	81.871	80.337	82.737	81.804	82.604
72.5	62.736	61.003	64.137	63.937	64.803
75.0	48.402	45.936	48.869	48.536	49.136
77.5	37.335	34.668	36.202	36.468	36.535
80.0	29.335	28.135	28.601	28.668	28.335
82.5	25.535	24.801	25.001	24.801	24.935
85.0	22.001	21.334	21.601	21.801	21.334
87.5	19.068	18.534	18.668	19.268	18.801
90.0	19.934	19.868	20.068	20.268	20.068
92.5	19.801	20.001	20.134	20.468	20.268
95.0	17.468	18.201	18.001	18.934	18.534
97.5	16.001	16.401	16.467	17.534	17.068
100.0	16.601	17.534	18.134	18.801	18.134
102.5	18.068	20.068	21.068	21.401	20.068
105.0	19.868	22.868	24.535	24.135	22.334
107.5	20.934	24.135	25.068	24.735	23.535
110.0	20.668	23.201	23.601	23.535	23.668
112.5	19.934	21.468	21.001	21.068	22.134
115.0	18.868	19.601	19.201	19.268	20.134
117.5	17.934	18.401	17.868	18.001	18.734
120.0	17.001	17.334	16.868	17.001	17.401
122.5	16.334	16.467	15.867	16.001	16.334
125.0	15.601	15.467	15.201	15.134	15.401
127.5	15.067	14.867	14.667	14.601	14.667
130.0	14.801	14.467	14.334	14.267	14.334
132.5	14.601	14.401	14.334	14.267	14.267

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDLX-65L35KE1-PR16.IES

CANDELA TABULATION - (Cont.)

135.0	14.867	14.534	14.467	14.401	14.401
137.5	15.001	14.734	14.734	14.667	14.667
140.0	15.734	15.534	15.267	15.134	15.134
142.5	16.668	16.334	16.134	16.001	16.001
145.0	17.668	17.334	17.001	17.001	17.068
147.5	18.801	18.534	18.201	18.268	18.268
150.0	19.734	19.734	19.134	19.268	19.334
152.5	20.601	20.601	20.134	20.201	20.401
155.0	21.334	21.334	20.934	21.201	21.268
157.5	22.001	22.201	22.068	22.068	22.001
160.0	22.801	23.134	23.001	23.001	22.934
162.5	23.801	24.135	24.201	24.001	24.068
165.0	24.935	25.201	25.268	25.268	25.135
167.5	25.801	25.935	26.201	26.001	25.935
170.0	26.268	26.268	26.735	26.468	26.335
172.5	26.068	26.401	26.535	26.401	26.335
175.0	25.401	25.535	25.535	25.401	25.401
177.5	24.868	24.735	24.868	24.668	24.401
180.0	24.601	24.601	24.601	24.601	24.601

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDLX-65L35KE1-PR16.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2324.28	N.A.	37.70
0-30	4200.89	N.A.	68.10
0-40	5301.03	N.A.	85.90
0-60	5857.33	N.A.	94.90
0-80	6030.03	N.A.	97.70
0-90	6054.49	N.A.	98.10
10-90	5406.15	N.A.	87.60
20-40	2976.75	N.A.	48.20
20-50	3340.94	N.A.	54.10
40-70	675.66	N.A.	10.90
60-80	172.70	N.A.	2.80
70-80	53.34	N.A.	0.90
80-90	24.46	N.A.	0.40
90-110	43.53	N.A.	0.70
90-120	63.12	N.A.	1.00
90-130	77.05	N.A.	1.20
90-150	99.17	N.A.	1.60
90-180	118.45	N.A.	1.90
110-180	74.92	N.A.	1.20
0-180	6172.94	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	648.34
10-20	1675.94
20-30	1876.61
30-40	1100.14
40-50	364.19
50-60	192.11
60-70	119.36
70-80	53.34
80-90	24.46
90-100	20.24
100-110	23.29
110-120	19.59
120-130	13.93
130-140	11.31
140-150	10.81
150-160	9.77
160-170	7.03
170-180	2.47

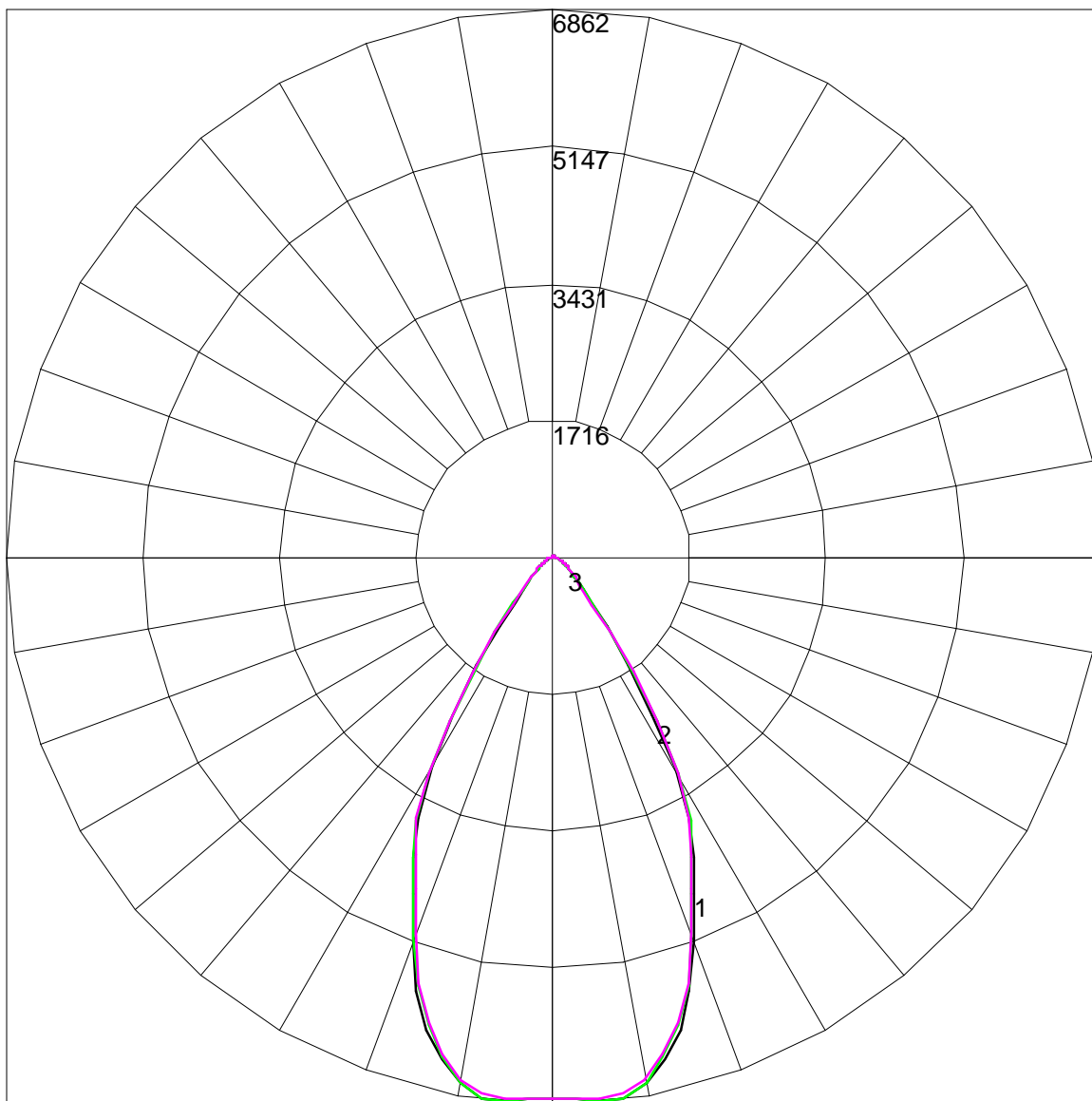
IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX16LEDLX-65L35KE1-PR16.IES

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	100	100	100	98
1	112	109	107	104	110	107	105	103	103	101	99	99	97	96	95	94	93	91
2	106	101	97	93	104	99	95	92	96	93	90	92	90	88	89	87	85	84
3	101	94	89	84	99	92	88	84	89	85	82	87	83	80	84	81	79	77
4	95	87	82	77	93	86	81	77	84	79	75	81	78	74	79	76	73	72
5	90	82	76	71	89	81	75	71	79	74	70	77	72	69	75	71	68	67
6	86	77	70	66	84	76	70	66	74	69	65	72	68	64	71	67	64	62
7	81	72	66	61	80	71	65	61	70	64	61	68	64	60	67	63	60	58
8	77	68	62	57	76	67	61	57	66	60	57	65	60	56	63	59	56	55
9	74	64	58	54	73	63	58	54	62	57	53	61	56	53	60	56	53	51
10	70	60	55	51	69	60	54	50	59	54	50	58	53	50	57	53	50	48

POLAR GRAPH



Maximum Candela = 6862.21 Located At Horizontal Angle = 90, Vertical Angle = 5

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

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

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