

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRXXX22LEDLX-100L35KE1XXXXPR22XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] 101925754CRT-011_M-100L
[TESTLAB]Intertek
[ISSUEDATE] 6/30/2015
[UPDATED] 6/3/2016
[LAB-REF LUMCAT] 1506030946-001-NL_M-100L
[MANUFAC]SPECTRUM
[LUMCAT] PRxxx22LEDLX-100L-35K-E1-XXXX-PR22
[LUMINAIRE] LED High Bay - 22" Diam. Prismatic Acrylic Refractor
[OTHER] Open aperture, no bottom lens
[OTHER] Tested with PRDDH, domed driver housing
[OTHER] This data approximates performance of PREXT-series, w/ extruded driver housing
[LAMP] N/A
[LAMPCAT] N/A
[OTHER] Total Luminaire Watts is approximate
[OTHER] CCT Output Multipliers: 40K x 1.03, 30K x 0.98, 27K x 0.96
[OTHER] Catalog Number Update: 90W changed to 100L
[OTHER] This report updated by Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8545
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	87.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.10
Spacing Criterion (90-270)	1.08
Spacing Criterion (Diagonal)	0.98
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.88 ft (Diameter)
Luminous Height	0.56 ft

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Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	1927	1920	1896
55	1179	1211	1256
65	560	562	576
75	473	463	474
85	387	383	383

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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	6556.1	6556.1	6556.1	6556.1	6556.1
2.5	6728.4	6717.0	6709.4	6716.0	6730.5
5.0	7035.5	7032.7	7014.3	7010.8	7022.8
7.5	7348.7	7329.6	7325.7	7331.4	7344.3
10.0	7705.8	7692.5	7715.3	7707.4	7697.4
12.5	7792.1	7797.5	7843.5	7841.5	7778.5
15.0	7542.1	7552.6	7601.0	7613.7	7543.5
17.5	7344.3	7355.5	7410.6	7408.9	7312.4
20.0	7052.9	7068.8	7112.6	7070.2	6994.7
22.5	6798.0	6802.9	6801.4	6741.0	6638.7
25.0	6121.5	6097.9	6077.6	6012.5	5918.9
27.5	5143.3	5116.7	5091.5	5064.3	4976.6
30.0	4279.5	4255.0	4225.8	4213.0	4148.9
32.5	3534.2	3518.1	3490.7	3484.8	3460.8
35.0	2859.9	2860.2	2837.2	2840.0	2828.3
37.5	1991.9	1980.2	1974.7	2004.4	2004.5
40.0	1219.3	1214.2	1200.0	1208.3	1217.5
42.5	592.2	589.2	604.3	631.5	651.0
45.0	485.1	490.2	483.3	484.6	477.4
47.5	426.2	439.7	436.9	431.8	433.1
50.0	384.8	398.9	397.9	392.7	400.5
52.5	332.7	346.0	342.9	340.3	350.7
55.0	269.0	277.3	276.5	277.4	286.8
57.5	208.1	212.3	211.8	213.8	220.5
60.0	155.4	158.1	156.4	158.3	163.1
62.5	125.3	126.5	125.1	126.7	130.3
65.0	110.8	111.8	111.2	111.7	114.0
67.5	96.5	97.6	95.7	97.9	99.6
70.0	84.5	85.4	83.8	85.5	86.8
72.5	77.0	78.0	76.4	78.8	78.5
75.0	76.3	77.0	74.7	77.6	76.5
77.5	78.8	78.8	77.4	78.8	77.7
80.0	74.9	75.8	74.3	75.6	75.2
82.5	59.3	58.2	57.9	60.5	59.6
85.0	46.5	45.9	46.0	46.2	46.0
87.5	41.1	40.5	41.0	40.5	40.3
90.0	38.5	38.6	38.7	37.4	38.0
92.5	36.9	37.1	37.1	35.7	36.1
95.0	35.7	35.5	36.0	33.9	34.2
97.5	36.0	35.6	35.8	33.8	33.6
100.0	38.7	38.6	38.1	36.0	35.1
102.5	44.5	43.5	42.5	41.3	40.1
105.0	50.2	49.0	48.0	49.8	47.8
107.5	53.3	52.5	51.3	56.7	53.9
110.0	51.5	50.3	50.3	54.0	53.4
112.5	47.7	46.9	47.2	46.8	48.6
115.0	46.6	45.7	47.1	44.7	45.7
117.5	47.9	47.0	48.8	46.6	47.1
120.0	49.7	49.7	50.7	49.6	49.1
122.5	53.4	53.5	54.3	52.8	52.7
125.0	57.1	56.5	57.7	56.7	56.0
127.5	60.0	60.3	60.0	59.3	58.9
130.0	64.4	64.9	65.1	64.2	63.4
132.5	68.8	69.6	69.5	68.8	68.2

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CANDELA TABULATION - (Cont.)

135.0	73.5	74.1	74.3	73.0	72.8
137.5	78.7	80.5	80.1	78.9	78.4
140.0	84.8	86.2	85.3	84.0	82.9
142.5	87.1	87.4	87.0	85.5	83.1
145.0	89.5	90.1	87.8	88.3	85.0
147.5	95.1	95.5	94.1	95.0	90.9
150.0	105.3	103.5	104.3	104.4	100.9
152.5	115.2	110.9	116.0	114.3	111.0
155.0	120.7	118.2	124.2	122.4	119.0
157.5	122.0	123.3	127.8	125.8	122.6
160.0	120.6	123.3	126.2	123.7	121.7
162.5	118.6	119.8	122.8	119.9	117.3
165.0	117.3	118.7	120.4	115.6	113.2
167.5	116.9	118.1	119.1	113.2	111.2
170.0	118.3	120.8	118.7	112.8	112.0
172.5	121.6	126.0	124.3	118.0	117.4
175.0	129.9	134.5	134.9	130.0	127.4
177.5	139.0	142.4	143.9	142.0	138.4
180.0	144.8	144.8	144.8	144.8	144.8

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	2817.15	N.A.	33.00
0-30	5500.87	N.A.	64.40
0-40	7199.55	N.A.	84.30
0-60	7891.5	N.A.	92.40
0-80	8087.18	N.A.	94.60
0-90	8142.36	N.A.	95.30
10-90	7451.75	N.A.	87.20
20-40	4382.4	N.A.	51.30
20-50	4827.54	N.A.	56.50
40-70	804.98	N.A.	9.40
60-80	195.68	N.A.	2.30
70-80	82.66	N.A.	1.00
80-90	55.18	N.A.	0.60
90-110	89.46	N.A.	1.00
90-120	136.97	N.A.	1.60
90-130	187.82	N.A.	2.20
90-150	301.93	N.A.	3.50
90-180	402.19	N.A.	4.70
110-180	312.73	N.A.	3.70
0-180	8544.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	690.62
10-20	2126.53
20-30	2683.72
30-40	1698.67
40-50	445.15
50-60	246.81
60-70	113.02
70-80	82.66
80-90	55.18
90-100	39.42
100-110	50.04
110-120	47.52
120-130	50.85
130-140	57.27
140-150	56.84
150-160	54.48
160-170	33.69
170-180	12.08

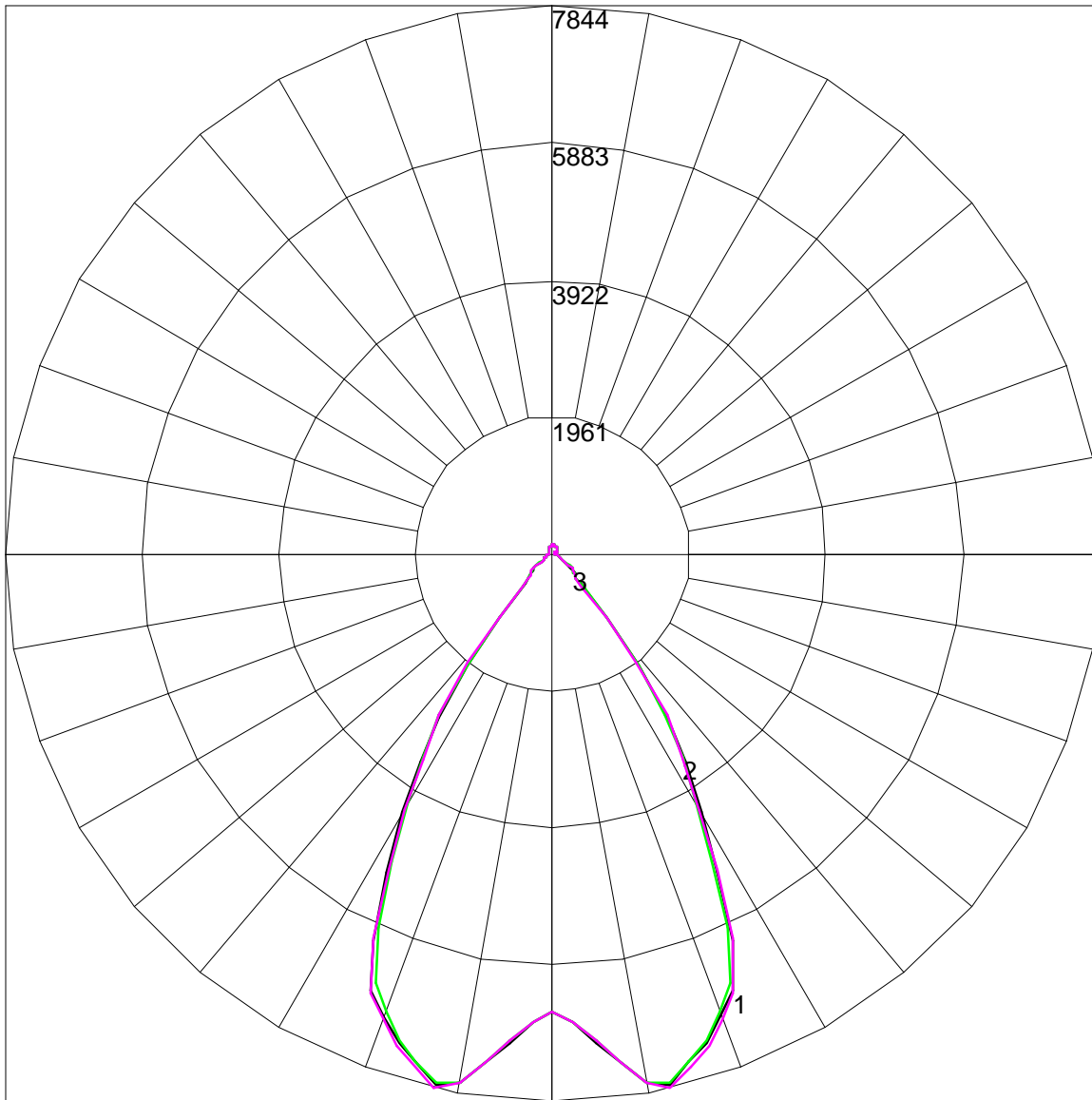
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	108	108	108	103	103	103	98	98	98	95
1	112	108	106	103	109	106	103	101	101	99	97	96	95	93	92	91	90	88
2	105	100	96	92	103	98	94	90	94	91	88	90	87	85	87	85	83	81
3	100	93	87	83	97	91	86	82	87	83	80	84	81	78	81	79	76	74
4	94	86	80	75	92	84	79	75	82	77	73	79	75	72	77	73	71	69
5	89	80	74	69	87	79	73	69	76	71	68	74	70	67	72	68	65	64
6	84	75	68	64	82	74	68	63	72	66	63	70	65	62	68	64	61	59
7	80	70	64	59	78	69	63	59	67	62	58	66	61	57	64	60	57	55
8	76	66	59	55	74	65	59	55	63	58	54	62	57	54	61	56	53	52
9	72	62	55	51	70	61	55	51	60	54	51	58	54	50	57	53	50	48
10	68	58	52	48	67	58	52	48	56	51	47	55	50	47	54	50	47	45

POLAR GRAPH



Maximum Candela = 7843.5 Located At Horizontal Angle = 45, Vertical Angle = 12.5

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

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

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