

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRXXX22LEDLX-100L35KE1XXXXPR22XX22CNFR.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] 101925754CRT-009

[TESTLAB] Intertek

[ISSUEDATE] 6/30/2015

[UPDATED] 2/23/2016

[LAB-REF LUMCAT] CRT1506030946-001

[MANUFAC] SPECTRUM LIGHTING

[LUMCAT] PRxxx22LEDLX-100L-35K-E1-XXXX-PR22-XX22-CNFR

[LUMINAIRE] LED High Bay - 22" Diam. Prismatic Acrylic Refractor

[OTHER] Conical prismatic acrylic bottom lens w/ internal radial ribs, inside frosted

[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] 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	7979
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	87.9
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.54
Spacing Criterion (90-270)	1.50
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.88 ft (Diameter)
Luminous Height	0.60 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRXXX22LEDLX-100L35KE1XXXXPR22XX22CNFR.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4934	4948	4759
55	1937	2014	2004
65	917	915	932
75	629	632	639
85	469	465	477

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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	2792.9	2792.9	2792.9	2792.9	2792.9
2.5	2908.7	2920.3	2925.7	2935.2	2887.2
5.0	3203.0	3206.0	3154.4	3196.9	3220.0
7.5	3464.2	3473.7	3480.1	3485.2	3455.7
10.0	3721.6	3741.9	3751.7	3748.7	3732.1
12.5	3981.0	4008.2	4016.5	3995.7	3907.3
15.0	4194.4	4227.0	4240.8	4213.4	4178.9
17.5	4340.4	4382.8	4408.1	4365.7	4325.3
20.0	4404.1	4464.4	4490.1	4425.9	4388.4
22.5	4391.6	4461.9	4479.5	4386.5	4349.9
25.0	4238.5	4318.2	4333.3	4230.3	4194.1
27.5	4001.5	4081.5	4091.8	4008.2	3977.9
30.0	3797.1	3861.8	3903.6	3777.4	3755.7
32.5	3584.9	3628.2	3598.8	3534.1	3520.2
35.0	3241.2	3261.3	3235.5	3187.8	2957.3
37.5	2768.8	2757.1	2746.6	2724.5	2631.0
40.0	2218.2	2206.9	2198.4	2182.4	2195.9
42.5	1678.6	1673.0	1671.1	1690.2	1722.1
45.0	1266.6	1270.9	1270.2	1291.2	1221.7
47.5	952.2	967.3	967.3	969.2	973.2
50.0	731.9	753.5	751.7	748.3	754.4
52.5	575.8	595.1	592.8	586.5	592.8
55.0	453.2	467.7	471.2	463.0	468.8
57.5	352.4	360.7	365.8	353.6	365.4
60.0	272.5	277.2	273.1	272.6	292.4
62.5	219.8	222.6	220.3	220.4	226.2
65.0	187.3	189.2	186.9	186.7	190.2
67.5	157.5	159.2	157.8	158.4	161.8
70.0	132.6	134.2	132.5	134.2	139.6
72.5	114.2	116.2	114.9	117.1	117.7
75.0	105.8	107.1	106.2	107.9	107.4
77.5	101.0	101.4	100.4	101.6	100.2
80.0	91.8	92.2	91.9	91.9	91.3
82.5	72.3	72.6	71.3	73.6	74.2
85.0	59.5	59.7	59.1	58.8	60.6
87.5	56.7	56.8	56.5	56.8	57.8
90.0	61.7	62.0	62.2	62.2	62.6
92.5	72.0	71.4	71.5	71.7	71.2
95.0	77.4	76.4	77.4	76.8	77.1
97.5	81.1	80.7	81.4	81.8	81.1
100.0	88.2	86.4	86.9	87.4	87.0
102.5	95.2	93.5	93.2	92.6	92.7
105.0	100.4	99.3	98.7	98.7	98.5
107.5	104.3	103.5	102.9	103.7	102.9
110.0	107.5	106.5	106.6	107.8	106.0
112.5	109.6	109.0	109.5	109.9	108.9
115.0	111.0	111.1	112.5	111.2	110.7
117.5	113.0	113.1	114.8	114.0	112.8
120.0	115.4	115.7	117.2	115.9	116.1
122.5	118.6	119.5	120.7	119.8	118.9
125.0	121.9	122.6	123.1	121.9	121.3
127.5	124.1	124.5	124.3	123.3	123.1
130.0	126.2	126.5	125.9	125.2	125.1
132.5	128.5	128.7	128.1	127.6	126.4

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135.0	130.5	131.1	130.8	130.0	129.0
137.5	134.4	134.8	135.1	134.2	132.5
140.0	139.2	138.8	139.1	136.6	135.1
142.5	139.4	140.3	138.1	137.9	134.0
145.0	139.4	139.6	137.0	138.7	135.2
147.5	143.9	143.9	142.3	143.3	139.1
150.0	154.0	151.7	152.1	152.6	148.0
152.5	164.4	159.2	163.7	162.6	158.4
155.0	170.3	168.6	173.5	173.3	167.6
157.5	174.0	175.8	180.5	179.7	173.7
160.0	175.4	178.9	183.5	180.2	175.6
162.5	174.5	176.8	180.5	175.7	171.4
165.0	170.4	172.5	174.7	167.8	165.1
167.5	164.5	166.8	167.6	160.1	157.6
170.0	160.3	164.3	163.6	155.8	154.1
172.5	161.9	167.2	166.8	158.4	157.4
175.0	170.1	176.6	176.6	170.5	165.9
177.5	180.4	186.1	187.5	183.8	177.7
180.0	187.7	187.7	187.7	187.7	187.7

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Zone	Lumens	%Lamp	%Fixt
0-20	1513.94	N.A.	19.00
0-30	3457.99	N.A.	43.30
0-40	5404.12	N.A.	67.70
0-60	6861.43	N.A.	86.00
0-80	7167.97	N.A.	89.80
0-90	7240.47	N.A.	90.70
10-90	6918.63	N.A.	86.70
20-40	3890.18	N.A.	48.80
20-50	4919.1	N.A.	61.60
40-70	1648.41	N.A.	20.70
60-80	306.54	N.A.	3.80
70-80	115.45	N.A.	1.40
80-90	72.50	N.A.	0.90
90-110	186.79	N.A.	2.30
90-120	297.43	N.A.	3.70
90-130	406.55	N.A.	5.10
90-150	596.43	N.A.	7.50
90-180	738.89	N.A.	9.30
110-180	552.09	N.A.	6.90
0-180	7979.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	321.84
10-20	1192.1
20-30	1944.06
30-40	1946.12
40-50	1028.92
50-60	428.39
60-70	191.09
70-80	115.45
80-90	72.50
90-100	82.99
100-110	103.80
110-120	110.63
120-130	109.13
130-140	101.44
140-150	88.43
150-160	77.83
160-170	48.57
170-180	16.07

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

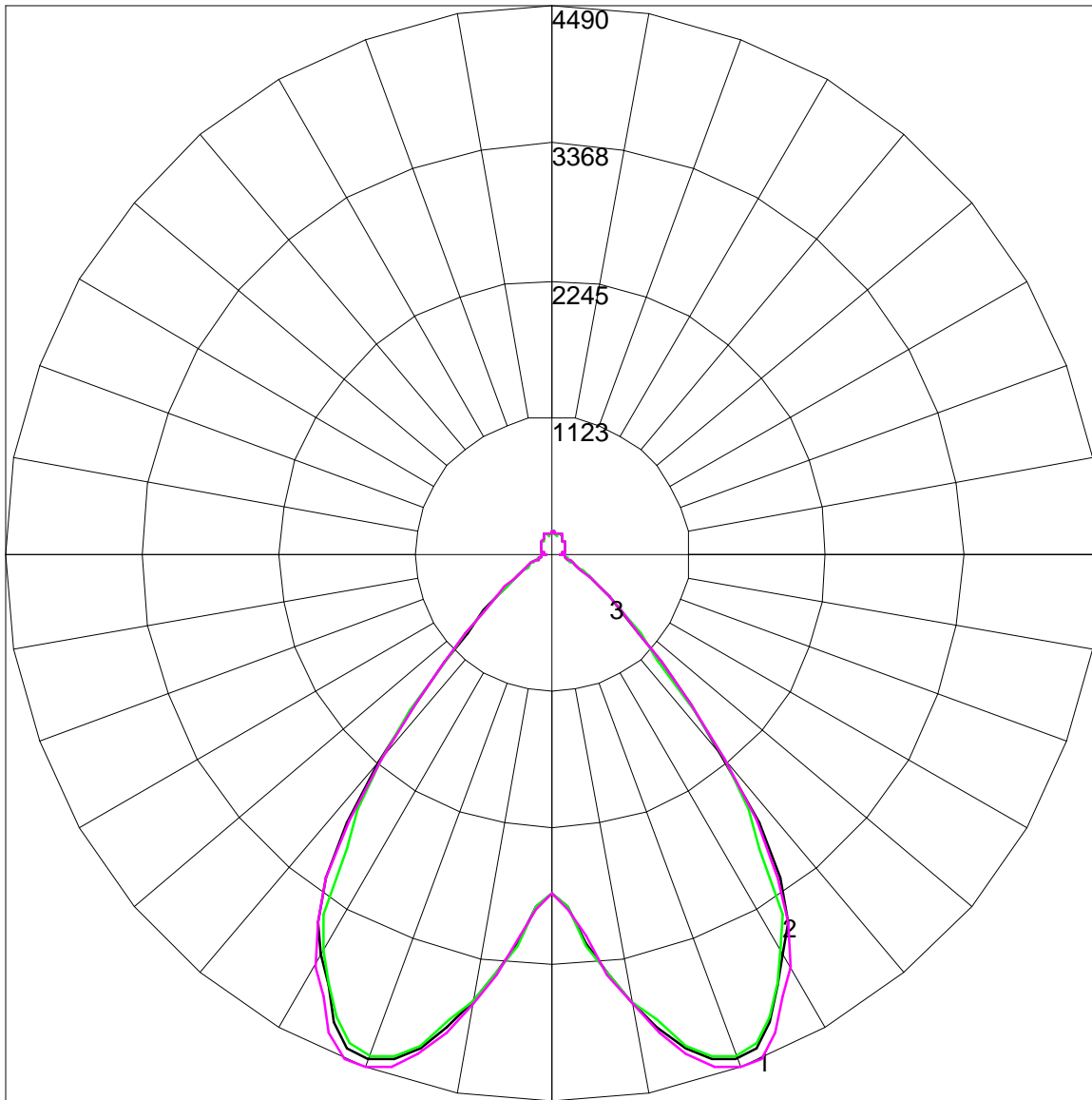
Effective Floor Cavity Reflectance 0.20

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	117	117	117	117	113	113	113	113	106	106	106	99	99	99	94	94	94	91
1	109	106	103	100	106	103	100	97	97	95	93	92	90	88	87	85	84	81
2	102	96	91	86	99	93	89	85	88	85	81	84	81	78	80	77	75	73
3	95	87	81	76	92	85	79	75	81	76	72	77	73	70	74	70	68	65
4	89	79	72	67	86	77	71	66	74	69	64	71	66	63	68	64	61	59
5	83	73	65	60	80	71	64	59	68	62	58	65	60	56	63	58	55	53
6	77	67	59	54	75	65	58	53	63	57	52	60	55	51	58	54	50	48
7	73	61	54	49	70	60	53	48	58	52	47	56	50	47	54	49	46	44
8	68	57	49	44	66	56	49	44	54	48	43	52	46	43	50	45	42	40
9	64	52	45	41	62	51	45	40	50	44	40	48	43	39	47	42	38	37
10	60	49	42	37	59	48	41	37	46	40	36	45	40	36	44	39	35	34

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POLAR GRAPH



Maximum Candela = 4490.1 Located At Horizontal Angle = 45, Vertical Angle = 20

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

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

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