

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRXXX22LEDLX-65L35KE1XXXXPR22XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] 101925754CRT-011_M-65L
[TESTLAB]Intertek
[ISSUEDATE] 6/30/2015
[UPDATED] 6/3/2016
[LAB-REF LUMCAT] 1506030946-001-NL_M-65L
[MANUFAC]SPECTRUM
[LUMCAT] PRxxx22LEDLX-65L-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: 60W changed to 65L
[OTHER] This report updated by Spectrum Lighting, scaled from 100L

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5697
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	59
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	1285	1280	1264
55	786	808	838
65	373	375	384
75	315	309	316
85	258	256	256

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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	4370.952	4370.952	4370.952	4370.952	4370.952
2.5	4485.824	4478.224	4473.157	4477.557	4487.224
5.0	4690.568	4688.701	4676.434	4674.100	4682.101
7.5	4899.378	4886.644	4884.044	4887.844	4896.445
10.0	5137.457	5128.590	5143.791	5138.524	5131.857
12.5	5194.993	5198.593	5229.261	5227.928	5185.926
15.0	5028.318	5035.318	5067.587	5076.054	5029.251
17.5	4896.445	4903.912	4940.647	4939.514	4875.177
20.0	4702.168	4712.769	4741.970	4713.702	4663.367
22.5	4532.227	4535.493	4534.493	4494.225	4426.021
25.0	4081.204	4065.470	4051.936	4008.534	3946.131
27.5	3429.038	3411.304	3394.503	3376.369	3317.899
30.0	2853.143	2836.809	2817.341	2808.807	2766.072
32.5	2356.251	2345.517	2327.250	2323.316	2307.315
35.0	1906.695	1906.895	1891.561	1893.428	1885.628
37.5	1328.000	1320.199	1316.533	1336.333	1336.400
40.0	812.907	809.507	800.040	805.574	811.707
42.5	394.820	392.820	402.887	421.021	434.022
45.0	323.416	326.816	322.216	323.083	318.283
47.5	284.148	293.148	291.281	287.881	288.748
50.0	256.546	265.947	265.280	261.813	267.013
52.5	221.811	230.678	228.611	226.878	233.812
55.0	179.342	184.876	184.343	184.943	191.210
57.5	138.740	141.540	141.207	142.540	147.007
60.0	103.605	105.405	104.272	105.539	108.739
62.5	83.538	84.338	83.404	84.471	86.871
65.0	73.870	74.537	74.137	74.470	76.004
67.5	64.337	65.070	63.803	65.270	66.403
70.0	56.336	56.936	55.869	57.003	57.870
72.5	51.336	52.003	50.936	52.536	52.336
75.0	50.869	51.336	49.802	51.736	51.003
77.5	52.536	52.536	51.603	52.536	51.803
80.0	49.936	50.536	49.536	50.403	50.136
82.5	39.535	38.802	38.602	40.335	39.735
85.0	31.002	30.602	30.668	30.802	30.668
87.5	27.401	27.001	27.335	27.001	26.868
90.0	25.668	25.735	25.801	24.935	25.335
92.5	24.601	24.735	24.735	23.801	24.068
95.0	23.801	23.668	24.001	22.601	22.801
97.5	24.001	23.735	23.868	22.534	22.401
100.0	25.801	25.735	25.401	24.001	23.401
102.5	29.668	29.001	28.335	27.535	26.735
105.0	33.468	32.668	32.002	33.202	31.868
107.5	35.535	35.002	34.202	37.802	35.935
110.0	34.335	33.535	33.535	36.002	35.602
112.5	31.802	31.268	31.468	31.202	32.402
115.0	31.068	30.468	31.402	29.801	30.468
117.5	31.935	31.335	32.535	31.068	31.402
120.0	33.135	33.135	33.802	33.068	32.735
122.5	35.602	35.668	36.202	35.202	35.135
125.0	38.069	37.669	38.469	37.802	37.335
127.5	40.002	40.202	40.002	39.535	39.269
130.0	42.935	43.269	43.402	42.802	42.269
132.5	45.869	46.402	46.336	45.869	45.469

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135.0	49.002	49.402	49.536	48.669	48.536
137.5	52.469	53.669	53.403	52.603	52.269
140.0	56.536	57.470	56.870	56.003	55.269
142.5	58.070	58.270	58.003	57.003	55.403
145.0	59.670	60.070	58.536	58.870	56.670
147.5	63.403	63.670	62.736	63.337	60.603
150.0	70.204	69.003	69.537	69.603	67.270
152.5	76.804	73.937	77.337	76.204	74.004
155.0	80.471	78.804	82.804	81.604	79.337
157.5	81.337	82.204	85.204	83.871	81.737
160.0	80.404	82.204	84.138	82.471	81.137
162.5	79.071	79.871	81.871	79.937	78.204
165.0	78.204	79.137	80.271	77.071	75.470
167.5	77.937	78.737	79.404	75.470	74.137
170.0	78.871	80.537	79.137	75.204	74.670
172.5	81.071	84.004	82.871	78.671	78.271
175.0	86.604	89.671	89.938	86.671	84.938
177.5	92.671	94.938	95.938	94.671	92.271
180.0	96.538	96.538	96.538	96.538	96.538

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1878.19	N.A.	33.00
0-30	3667.43	N.A.	64.40
0-40	4799.94	N.A.	84.30
0-60	5261.27	N.A.	92.40
0-80	5391.72	N.A.	94.60
0-90	5428.51	N.A.	95.30
10-90	4968.08	N.A.	87.20
20-40	2921.74	N.A.	51.30
20-50	3218.52	N.A.	56.50
40-70	536.68	N.A.	9.40
60-80	130.46	N.A.	2.30
70-80	55.11	N.A.	1.00
80-90	36.79	N.A.	0.60
90-110	59.64	N.A.	1.00
90-120	91.32	N.A.	1.60
90-130	125.22	N.A.	2.20
90-150	201.30	N.A.	3.50
90-180	268.14	N.A.	4.70
110-180	208.50	N.A.	3.70
0-180	5696.65	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	460.43
10-20	1417.76
20-30	1789.24
30-40	1132.5
40-50	296.78
50-60	164.55
60-70	75.35
70-80	55.11
80-90	36.79
90-100	26.28
100-110	33.36
110-120	31.68
120-130	33.90
130-140	38.18
140-150	37.90
150-160	36.32
160-170	22.46
170-180	8.05

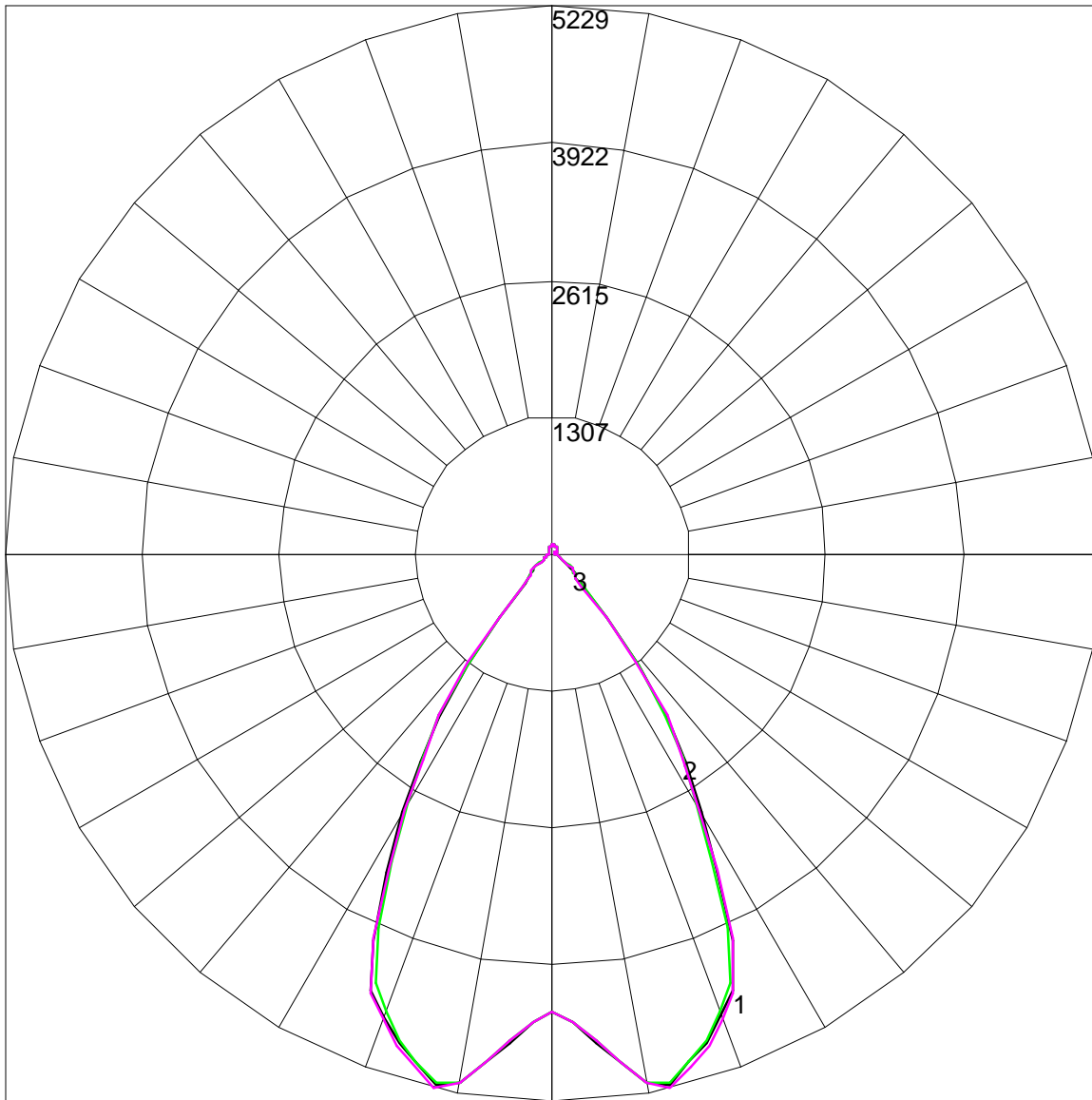
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 5229.261 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)