

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRXXX22LEDLX-130L35KE1XXXXPR22XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] 101925754CRT-011_M-130L
[TESTLAB]Intertek
[ISSUE DATE] 6/30/2015
[UPDATED] 6/3/2016
[LAB-REF LUMCAT] 1506030946-001-NL_M-130L
[MANUFAC]SPECTRUM
[LUMCAT] PRxxx22LEDLX-130L-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: 114W changed to 130L
[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	11304
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	117
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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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2549	2540	2509
55	1559	1603	1662
65	741	744	762
75	626	612	627
85	513	507	507

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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	8673.720	8673.720	8673.720	8673.720	8673.720
2.5	8901.673	8886.591	8876.536	8885.268	8904.451
5.0	9307.966	9304.262	9279.919	9275.288	9291.164
7.5	9722.330	9697.060	9691.901	9699.442	9716.509
10.0	10194.773	10177.177	10207.342	10196.890	10183.660
12.5	10308.948	10316.092	10376.950	10374.304	10290.955
15.0	9978.198	9992.089	10056.123	10072.925	9980.050
17.5	9716.509	9731.326	9804.223	9801.974	9674.305
20.0	9330.986	9352.022	9409.969	9353.874	9253.988
22.5	8993.754	9000.236	8998.252	8918.343	8783.000
25.0	8098.744	8067.521	8040.665	7954.537	7830.704
27.5	6804.586	6769.394	6736.054	6700.069	6584.042
30.0	5661.778	5629.365	5590.733	5573.799	5488.995
32.5	4675.746	4654.446	4618.196	4610.390	4578.638
35.0	3783.648	3784.044	3753.615	3757.320	3741.841
37.5	2635.284	2619.805	2612.528	2651.821	2651.953
40.0	1613.134	1606.387	1587.600	1598.581	1610.752
42.5	783.481	779.512	799.489	835.474	861.273
45.0	641.787	648.535	639.406	641.126	631.600
47.5	563.863	581.723	578.019	571.271	572.991
50.0	509.090	527.745	526.422	519.542	529.861
52.5	440.162	457.758	453.657	450.217	463.976
55.0	355.887	366.868	365.809	367.000	379.436
57.5	275.316	280.873	280.211	282.857	291.721
60.0	205.594	209.166	206.917	209.431	215.781
62.5	165.772	167.359	165.507	167.624	172.387
65.0	146.588	147.911	147.118	147.779	150.822
67.5	127.669	129.125	126.611	129.522	131.771
70.0	111.793	112.984	110.867	113.116	114.836
72.5	101.871	103.194	101.077	104.252	103.855
75.0	100.945	101.871	98.828	102.665	101.209
77.5	104.252	104.252	102.400	104.252	102.797
80.0	99.093	100.283	98.299	100.019	99.490
82.5	78.454	76.999	76.602	80.041	78.851
85.0	61.519	60.726	60.858	61.123	60.858
87.5	54.375	53.581	54.243	53.581	53.317
90.0	50.935	51.068	51.200	49.480	50.274
92.5	48.819	49.083	49.083	47.231	47.760
95.0	47.231	46.966	47.628	44.850	45.247
97.5	47.628	47.099	47.363	44.717	44.453
100.0	51.200	51.068	50.406	47.628	46.437
102.5	58.873	57.550	56.227	54.640	53.052
105.0	66.415	64.827	63.504	65.885	63.239
107.5	70.516	69.457	67.870	75.014	71.310
110.0	68.134	66.547	66.547	71.442	70.648
112.5	63.107	62.049	62.446	61.916	64.298
115.0	61.652	60.461	62.313	59.138	60.461
117.5	63.372	62.181	64.562	61.652	62.313
120.0	65.753	65.753	67.076	65.621	64.959
122.5	70.648	70.780	71.839	69.854	69.722
125.0	75.543	74.749	76.337	75.014	74.088
127.5	79.380	79.777	79.380	78.454	77.925
130.0	85.201	85.863	86.127	84.937	83.878
132.5	91.022	92.081	91.948	91.022	90.229

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135.0	97.240	98.034	98.299	96.579	96.314
137.5	104.120	106.501	105.972	104.385	103.723
140.0	112.190	114.043	112.852	111.132	109.677
142.5	115.233	115.630	115.101	113.116	109.941
145.0	118.408	119.202	116.159	116.821	112.455
147.5	125.817	126.346	124.494	125.685	120.261
150.0	139.312	136.930	137.989	138.121	133.491
152.5	152.410	146.721	153.468	151.219	146.853
155.0	159.686	156.379	164.317	161.935	157.437
157.5	161.406	163.126	169.079	166.433	162.200
160.0	159.554	163.126	166.963	163.655	161.009
162.5	156.908	158.495	162.464	158.628	155.188
165.0	155.188	157.040	159.289	152.939	149.764
167.5	154.659	156.246	157.569	149.764	147.118
170.0	156.511	159.818	157.040	149.234	148.176
172.5	160.877	166.698	164.449	156.114	155.320
175.0	171.858	177.943	178.473	171.990	168.550
177.5	183.897	188.395	190.380	187.866	183.103
180.0	191.570	191.570	191.570	191.570	191.570

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	3727.09	N.A.	33.00
0-30	7277.65	N.A.	64.40
0-40	9525.00	N.A.	84.30
0-60	10440.46	N.A.	92.40
0-80	10699.34	N.A.	94.60
0-90	10772.34	N.A.	95.30
10-90	9858.66	N.A.	87.20
20-40	5797.91	N.A.	51.30
20-50	6386.84	N.A.	56.50
40-70	1064.99	N.A.	9.40
60-80	258.88	N.A.	2.30
70-80	109.36	N.A.	1.00
80-90	73.00	N.A.	0.60
90-110	118.35	N.A.	1.00
90-120	181.22	N.A.	1.60
90-130	248.48	N.A.	2.20
90-150	399.46	N.A.	3.50
90-180	532.09	N.A.	4.70
110-180	413.74	N.A.	3.70
0-180	11304.44	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	913.69
10-20	2813.4
20-30	3550.57
30-40	2247.34
40-50	588.93
50-60	326.53
60-70	149.53
70-80	109.36
80-90	73.00
90-100	52.15
100-110	66.20
110-120	62.86
120-130	67.27
130-140	75.77
140-150	75.20
150-160	72.08
160-170	44.57
170-180	15.98

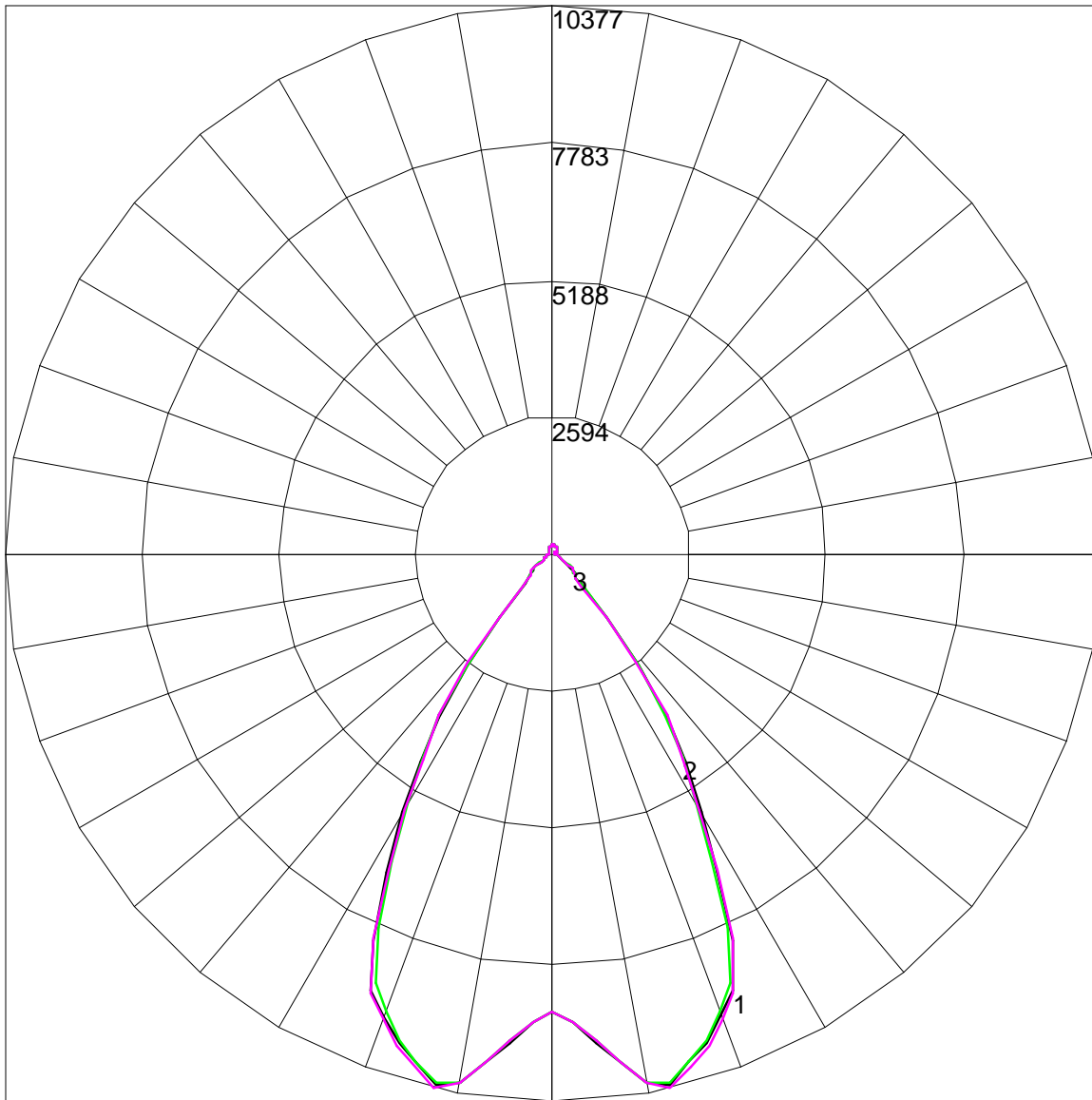
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	109	109	109	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	82	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	66	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 = 10376.95 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)