

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRXXX22LEDLX-140L35KE1XXXXPR22XX.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002
[TEST] 101925754CRT-011_M-140L
[TESTLAB]Intertek
[ISSUEDATE] 6/30/2015
[UPDATED] 6/3/2016
[LAB-REF LUMCAT] 1506030946-001-NL_M-140L
[MANUFAC]SPECTRUM
[LUMCAT] PRxxx22LEDLX-140L-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: 123W changed to 140L
[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	12174
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	126
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

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRXXX22LEDLX-140L35KE1XXXXPR22XX.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2745	2735	2702
55	1679	1726	1790
65	798	801	821
75	674	660	675
85	552	546	546

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX22LEDLX-140L35KE1XXXXPR22XX.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	9341.132	9341.132	9341.132	9341.132	9341.132
2.5	9586.625	9570.382	9559.553	9568.957	9589.617
5.0	10024.181	10020.191	9993.975	9988.988	10006.086
7.5	10470.428	10443.214	10437.658	10445.779	10464.159
10.0	10979.224	10960.274	10992.760	10981.504	10967.256
12.5	11102.184	11109.878	11175.419	11172.570	11082.807
15.0	10745.984	10760.945	10829.905	10848.000	10747.979
17.5	10464.159	10480.117	10558.623	10556.201	10418.708
20.0	10048.972	10071.627	10134.033	10073.621	9966.049
22.5	9685.791	9692.772	9690.635	9604.577	9458.820
25.0	8721.913	8688.288	8659.365	8566.610	8433.249
27.5	7328.174	7290.274	7254.369	7215.615	7090.660
30.0	6097.432	6062.524	6020.920	6002.683	5911.353
32.5	5035.528	5012.589	4973.549	4965.143	4930.948
35.0	4074.786	4075.213	4042.443	4046.432	4029.762
37.5	2838.059	2821.389	2813.553	2855.869	2856.012
40.0	1737.259	1729.992	1709.760	1721.586	1734.694
42.5	843.767	839.492	861.007	899.761	927.545
45.0	691.170	698.437	688.606	690.458	680.200
47.5	607.250	626.485	622.495	615.229	617.081
50.0	548.263	568.353	566.928	559.519	570.632
52.5	474.031	492.981	488.564	484.859	499.677
55.0	383.271	395.097	393.957	395.240	408.633
57.5	296.501	302.485	301.773	304.622	314.168
60.0	221.414	225.261	222.839	225.546	232.385
62.5	178.527	180.237	178.242	180.522	185.651
65.0	157.868	159.293	158.438	159.150	162.427
67.5	137.493	139.060	136.353	139.488	141.910
70.0	120.396	121.678	119.398	121.820	123.673
72.5	109.710	111.134	108.855	112.274	111.847
75.0	108.712	109.710	106.433	110.564	108.997
77.5	112.274	112.274	110.280	112.274	110.707
80.0	106.718	108.000	105.863	107.715	107.145
82.5	84.491	82.923	82.496	86.200	84.918
85.0	66.253	65.398	65.541	65.826	65.541
87.5	58.559	57.704	58.417	57.704	57.419
90.0	54.855	54.997	55.140	53.288	54.142
92.5	52.575	52.860	52.860	50.865	51.435
95.0	50.865	50.580	51.293	48.301	48.728
97.5	51.293	50.723	51.008	48.158	47.873
100.0	55.140	54.997	54.285	51.293	50.010
102.5	63.404	61.979	60.554	58.844	57.134
105.0	71.525	69.815	68.390	70.955	68.105
107.5	75.942	74.802	73.092	80.786	76.797
110.0	73.377	71.667	71.667	76.939	76.084
112.5	67.963	66.823	67.251	66.681	69.245
115.0	66.396	65.113	67.108	63.689	65.113
117.5	68.248	66.966	69.530	66.396	67.108
120.0	70.813	70.813	72.237	70.670	69.958
122.5	76.084	76.227	77.367	75.229	75.087
125.0	81.356	80.501	82.211	80.786	79.789
127.5	85.488	85.915	85.488	84.491	83.921
130.0	91.757	92.470	92.754	91.472	90.332
132.5	98.026	99.166	99.024	98.026	97.171

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX22LEDLX-140L35KE1XXXXPR22XX.IES

CANDELA TABULATION - (Cont.)

135.0	104.723	105.578	105.863	104.010	103.725
137.5	112.132	114.696	114.126	112.417	111.704
140.0	120.823	122.818	121.535	119.683	118.116
142.5	124.100	124.528	123.958	121.820	118.401
145.0	127.520	128.374	125.097	125.810	121.108
147.5	135.498	136.068	134.074	135.356	129.514
150.0	150.031	147.467	148.607	148.749	143.762
152.5	164.137	158.010	165.277	162.855	158.153
155.0	171.973	168.411	176.960	174.396	169.551
157.5	173.826	175.678	182.089	179.240	174.680
160.0	171.831	175.678	179.810	176.248	173.398
162.5	168.981	170.691	174.965	170.834	167.129
165.0	167.129	169.124	171.546	164.707	161.287
167.5	166.559	168.269	169.694	161.287	158.438
170.0	168.554	172.116	169.124	160.717	159.578
172.5	173.256	179.525	177.103	168.126	167.272
175.0	185.082	191.636	192.206	185.224	181.520
177.5	198.047	202.892	205.029	202.322	197.192
180.0	206.311	206.311	206.311	206.311	206.311

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX22LEDLX-140L35KE1XXXXPR22XX.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	4013.87	N.A.	33.00
0-30	7837.64	N.A.	64.40
0-40	10257.91	N.A.	84.30
0-60	11243.81	N.A.	92.40
0-80	11522.62	N.A.	94.60
0-90	11601.24	N.A.	95.30
10-90	10617.25	N.A.	87.20
20-40	6244.04	N.A.	51.30
20-50	6878.28	N.A.	56.50
40-70	1146.93	N.A.	9.40
60-80	278.80	N.A.	2.30
70-80	117.77	N.A.	1.00
80-90	78.62	N.A.	0.60
90-110	127.46	N.A.	1.00
90-120	195.16	N.A.	1.60
90-130	267.60	N.A.	2.20
90-150	430.20	N.A.	3.50
90-180	573.03	N.A.	4.70
110-180	445.57	N.A.	3.70
0-180	12174.27	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

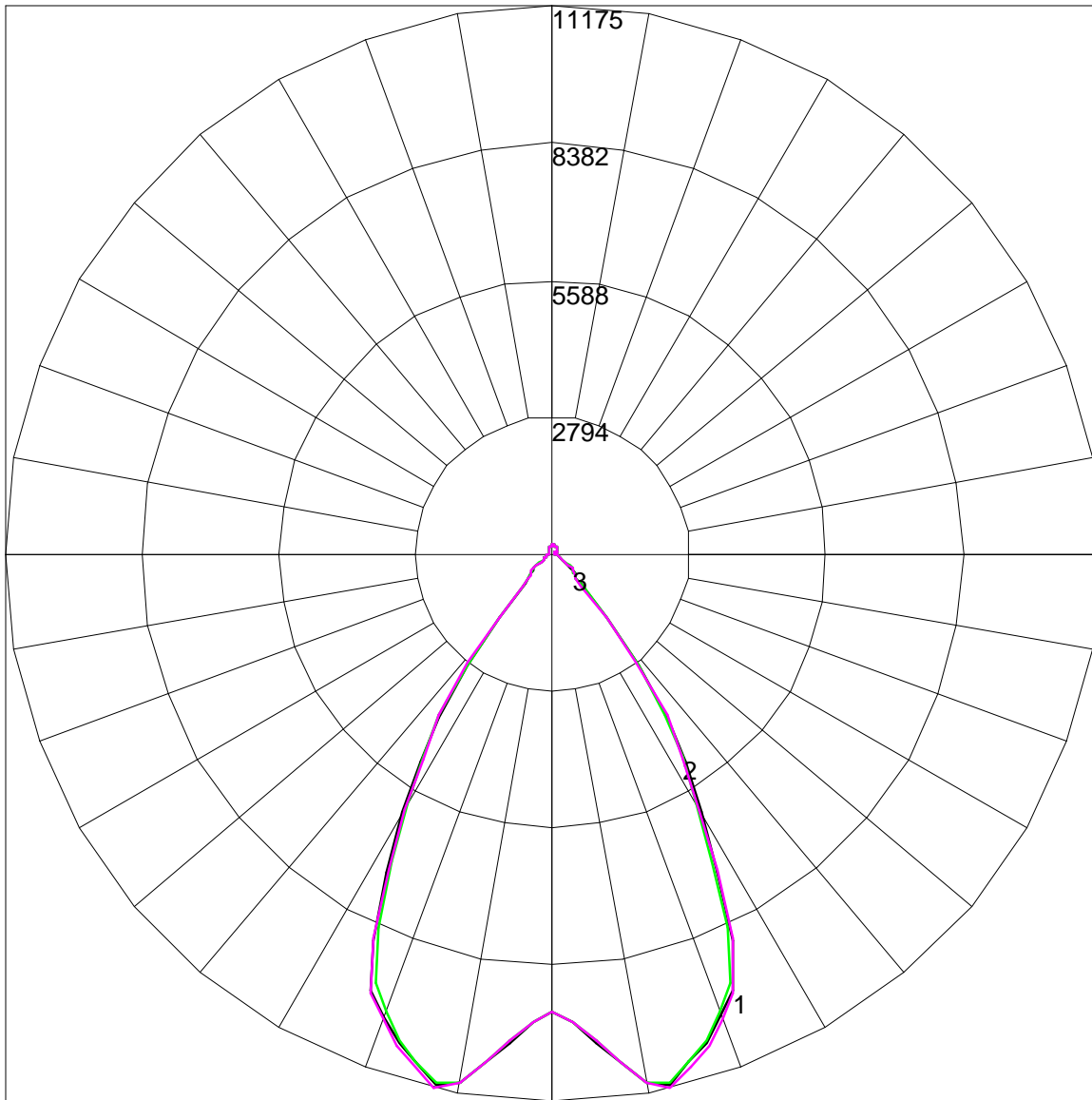
Zone	Lumens
0-10	983.99
10-20	3029.88
20-30	3823.77
30-40	2420.27
40-50	634.24
50-60	351.66
60-70	161.03
70-80	117.77
80-90	78.62
90-100	56.16
100-110	71.30
110-120	67.70
120-130	72.44
130-140	81.60
140-150	80.99
150-160	77.62
160-170	48.00
170-180	17.21

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	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 = 11175.419 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)