

IES INDOOR REPORT
PHOTOMETRIC FILENAME : PRXXX22LEDLX-140L35KE1XXXXPR22XX22CNFR.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] 101925754CRT-009_M-140L
 [TESTLAB] Intertek
 [ISSUE DATE] 6/30/2015
 [UPDATED] 2/23/2016
 [LAB-REF LUMCAT] CRT1506030946-001_M-140L
 [TESTLAB] Intertek
 [MANUFAC] SPECTRUM LIGHTING
 [LUMCAT] PRxxx22LEDLX-140L-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: 114W changed to 130L
 [OTHER] This report updated by Spectrum Lighting, scaled from 100L
 [_CCTMULT] 40K x 1.03, 30K x 0.98, 27K x 0.96
 [_LAMPMULT] 65L x 0.67, 100L x 1, 130L x 1.32, 140L x 1.42
 [_CRI] 85

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	11369
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)	1.54
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	0.56 ft

IES INDOOR REPORT**PHOTOMETRIC FILENAME : PRXXX22LEDLX-140L35KE1XXXXPR22XX22CNFR.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7168	7189	6914
55	2829	2941	2926
65	1349	1346	1370
75	934	938	948
85	706	702	719

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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	3979.324	3979.324	3979.324	3979.324	3979.324
2.5	4144.316	4160.844	4168.537	4182.073	4113.683
5.0	4563.635	4567.909	4494.389	4554.943	4587.856
7.5	4935.792	4949.328	4958.447	4965.713	4923.681
10.0	5302.536	5331.459	5345.422	5341.148	5317.496
12.5	5672.129	5710.884	5722.709	5693.074	5567.121
15.0	5976.181	6022.630	6042.292	6003.252	5954.097
17.5	6184.202	6244.614	6280.661	6220.250	6162.688
20.0	6274.962	6360.877	6397.495	6306.022	6252.592
22.5	6257.152	6357.315	6382.392	6249.885	6197.738
25.0	6039.015	6152.572	6174.086	6027.332	5975.754
27.5	5701.337	5815.321	5829.997	5710.884	5667.712
30.0	5410.108	5502.293	5561.849	5382.040	5351.122
32.5	5107.766	5169.459	5127.570	5035.386	5015.581
35.0	4618.062	4646.700	4609.941	4541.978	4213.561
37.5	3944.986	3928.316	3913.356	3881.868	3748.649
40.0	3160.491	3144.391	3132.280	3109.484	3128.718
42.5	2391.669	2383.690	2380.983	2408.197	2453.648
45.0	1804.652	1810.778	1809.781	1839.702	1740.678
47.5	1356.695	1378.209	1378.209	1380.916	1386.615
50.0	1042.811	1073.587	1071.022	1066.178	1074.869
52.5	820.400	847.899	844.621	835.645	844.621
55.0	645.719	666.379	671.366	659.682	667.946
57.5	502.100	513.925	521.192	503.809	520.622
60.0	388.258	394.955	389.113	388.400	416.612
62.5	313.171	317.160	313.883	314.026	322.290
65.0	266.865	269.572	266.295	266.010	270.997
67.5	224.406	226.828	224.833	225.688	230.533
70.0	188.928	191.208	188.786	191.208	198.902
72.5	162.712	165.562	163.710	166.844	167.699
75.0	150.744	152.596	151.314	153.736	153.024
77.5	143.905	144.475	143.050	144.760	142.765
80.0	130.797	131.367	130.939	130.939	130.084
82.5	103.013	103.440	101.588	104.865	105.720
85.0	84.776	85.061	84.206	83.778	86.343
87.5	80.786	80.929	80.501	80.929	82.353
90.0	87.910	88.338	88.623	88.623	89.192
92.5	102.586	101.731	101.873	102.158	101.446
95.0	110.280	108.855	110.280	109.425	109.852
97.5	115.551	114.981	115.979	116.549	115.551
100.0	125.667	123.103	123.815	124.528	123.958
102.5	135.641	133.219	132.791	131.936	132.079
105.0	143.050	141.483	140.628	140.628	140.343
107.5	148.607	147.467	146.612	147.752	146.612
110.0	153.166	151.741	151.884	153.593	151.029
112.5	156.158	155.303	156.016	156.586	155.161
115.0	158.153	158.295	160.290	158.438	157.725
117.5	161.002	161.145	163.567	162.427	160.717
120.0	164.422	164.849	166.987	165.134	165.419
122.5	168.981	170.264	171.973	170.691	169.409
125.0	173.683	174.680	175.393	173.683	172.828

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127.5	176.818	177.388	177.103	175.678	175.393
130.0	179.810	180.237	179.382	178.385	178.242
132.5	183.087	183.372	182.517	181.804	180.095
135.0	185.936	186.791	186.364	185.224	183.799
137.5	191.493	192.063	192.490	191.208	188.786
140.0	198.332	197.762	198.190	194.628	192.490
142.5	198.617	199.899	196.765	196.480	190.923
145.0	198.617	198.902	195.198	197.620	192.633
147.5	205.029	205.029	202.749	204.174	198.190
150.0	219.419	216.142	216.712	217.424	210.870
152.5	234.237	226.828	233.240	231.672	225.688
155.0	242.643	240.221	247.203	246.918	238.796
157.5	247.915	250.480	257.176	256.037	247.488
160.0	249.910	254.897	261.451	256.749	250.195
162.5	248.628	251.905	257.176	250.337	244.211
165.0	242.786	245.778	248.913	239.081	235.234
167.5	234.380	237.657	238.796	228.110	224.548
170.0	228.395	234.095	233.097	221.984	219.562
172.5	230.675	238.227	237.657	225.688	224.264
175.0	242.358	251.620	251.620	242.928	236.374
177.5	257.034	265.155	267.150	261.878	253.187
180.0	267.435	267.435	267.435	267.435	267.435

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Zone	Lumens	%Lamp	%Fixt
0-20	2157.06	N.A.	19.00
0-30	4926.95	N.A.	43.30
0-40	7699.79	N.A.	67.70
0-60	9776.17	N.A.	86.00
0-80	10212.92	N.A.	89.80
0-90	10316.22	N.A.	90.70
10-90	9857.66	N.A.	86.70
20-40	5542.73	N.A.	48.80
20-50	7008.74	N.A.	61.60
40-70	2348.65	N.A.	20.70
60-80	436.75	N.A.	3.80
70-80	164.49	N.A.	1.40
80-90	103.29	N.A.	0.90
90-110	266.14	N.A.	2.30
90-120	423.77	N.A.	3.70
90-130	579.26	N.A.	5.10
90-150	849.79	N.A.	7.50
90-180	1052.77	N.A.	9.30
110-180	786.62	N.A.	6.90
0-180	11368.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	458.56
10-20	1698.5
20-30	2769.89
30-40	2772.84
40-50	1466.01
50-60	610.37
60-70	272.27
70-80	164.49
80-90	103.29
90-100	118.25
100-110	147.90
110-120	157.63
120-130	155.48
130-140	144.53
140-150	126.00
150-160	110.89
160-170	69.20
170-180	22.89

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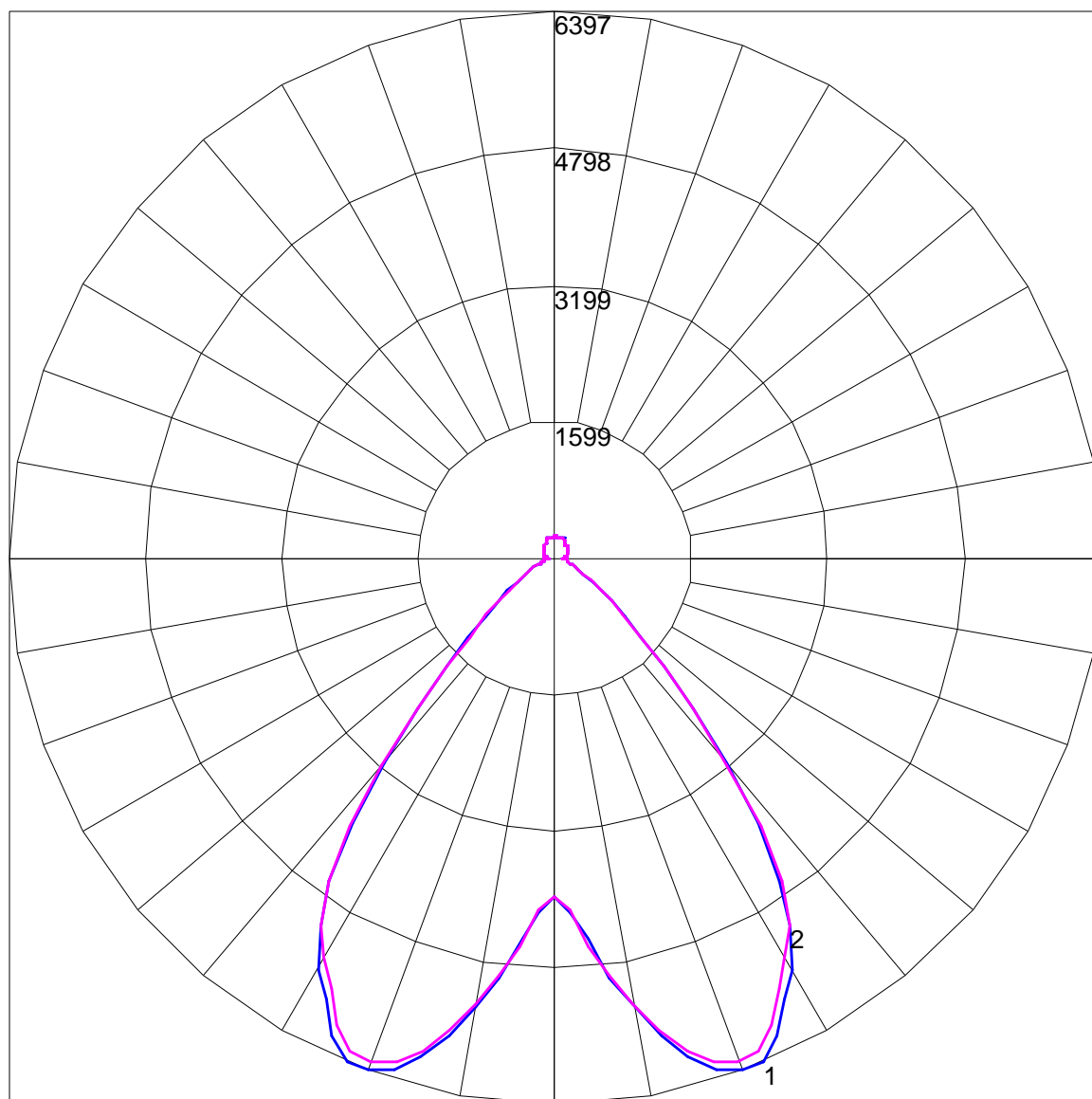
COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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 = 6397.495 Located At Horizontal Angle = 45, Vertical Angle = 20
1 - Vertical Plane Through Horizontal Angles (45 - 225) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)