

IES INDOOR REPORT

PHOTOMETRIC FILENAME : SP-00679_2 ~ PR3007LEDLX130L35KEXCD3X .IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[LUMCAT] CRT1804171150-002, Model: PR3007LEDLX130LX140L35KEX/CD3X
[LUMINAIRE] LED High Bay
[LAMP] LED
[USER DEFINED] 120.01 VAC, 909.1 mA, 108.71 W, 0.9964 PF
[TEST] SP-00679_2
[TESTLAB] Intertek
[ISSUEDATE] 04/24/2018
[MANUFAC] Spectrum Lighting

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	12481
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	103.89
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.34
Spacing Criterion (90-270)	2.34
Spacing Criterion (Diagonal)	2.02
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	2.50 ft (Diameter)
Luminous Width (90-270)	2.50 ft (Diameter)
Luminous Height	0.29 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10627	10464	10600
55	8407	8300	8527
65	4173	4222	4294
75	1933	1897	1910
85	1419	1398	1451

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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>	<u>112.5</u>	<u>135.0</u>	<u>157.5</u>	<u>180.0</u>	<u>202.5</u>
0.0	2011.776	2011.776	2011.776	2011.776	2011.776	2011.776	2011.776	2011.776	2011.776	2011.776
2.5	2007.498	2011.869	2011.590	2008.800	2011.125	2008.800	2011.590	2011.869	2007.498	2011.869
5.0	2085.525	2086.827	2088.966	2086.455	2096.220	2086.455	2088.966	2086.827	2085.525	2086.827
7.5	2268.456	2271.618	2268.270	2283.894	2286.684	2283.894	2268.270	2271.618	2268.456	2271.618
10.0	2532.576	2535.924	2548.014	2564.754	2564.289	2564.754	2548.014	2535.924	2532.576	2535.924
12.5	2814.552	2816.040	2831.106	2845.149	2834.175	2845.149	2831.106	2816.040	2814.552	2816.040
15.0	3023.616	3020.175	3062.676	3069.186	3043.611	3069.186	3062.676	3020.175	3023.616	3020.175
17.5	3243.840	3239.841	3268.764	3295.920	3276.855	3295.920	3268.764	3239.841	3243.840	3239.841
20.0	3438.024	3420.819	3456.531	3484.524	3486.756	3484.524	3456.531	3420.819	3438.024	3420.819
22.5	3574.176	3549.531	3569.991	3638.532	3645.321	3638.532	3569.991	3549.531	3574.176	3549.531
25.0	3651.831	3635.928	3629.883	3729.486	3730.230	3729.486	3629.883	3635.928	3651.831	3635.928
27.5	3670.059	3646.995	3635.928	3747.156	3747.714	3747.156	3635.928	3646.995	3670.059	3646.995
30.0	3699.540	3689.403	3651.087	3772.731	3775.056	3772.731	3651.087	3689.403	3699.540	3689.403
32.5	3644.856	3646.623	3594.078	3715.815	3711.816	3715.815	3594.078	3646.623	3644.856	3646.623
35.0	3569.061	3566.643	3493.452	3623.466	3608.214	3623.466	3493.452	3566.643	3569.061	3566.643
37.5	3572.688	3581.802	3502.101	3653.412	3600.774	3653.412	3502.101	3581.802	3572.688	3581.802
40.0	3690.705	3701.307	3620.397	3782.310	3704.469	3782.310	3620.397	3701.307	3690.705	3701.307
42.5	3818.394	3838.947	3751.527	3934.551	3814.860	3934.551	3751.527	3838.947	3818.394	3838.947
45.0	3936.504	3963.474	3876.240	4069.959	3926.646	4069.959	3876.240	3963.474	3936.504	3963.474
47.5	3850.386	3870.474	3771.615	3989.142	3837.366	3989.142	3771.615	3870.474	3850.386	3870.474
50.0	3523.398	3547.764	3474.015	3694.704	3530.373	3694.704	3474.015	3547.764	3523.398	3547.764
52.5	3093.273	3128.334	3058.677	3258.441	3113.919	3258.441	3058.677	3128.334	3093.273	3128.334
55.0	2665.380	2696.907	2631.342	2795.022	2703.510	2795.022	2631.342	2696.907	2665.380	2696.907
57.5	2299.146	2332.626	2265.759	2414.001	2360.805	2414.001	2265.759	2332.626	2299.146	2332.626
60.0	1942.677	1958.952	1916.079	2027.493	1991.688	2027.493	1916.079	1958.952	1942.677	1958.952
62.5	1464.936	1487.256	1473.027	1539.057	1512.180	1539.057	1473.027	1487.256	1464.936	1487.256
65.0	1060.014	1074.708	1072.383	1100.655	1090.611	1100.655	1072.383	1074.708	1060.014	1074.708
67.5	792.453	795.057	787.524	796.452	799.335	796.452	787.524	795.057	792.453	795.057
70.0	599.013	595.479	589.806	591.573	597.432	591.573	589.806	595.479	599.013	595.479
72.5	456.816	450.213	447.981	448.818	454.305	448.818	447.981	450.213	456.816	450.213
75.0	354.330	347.541	347.727	348.843	350.052	348.843	347.727	347.541	354.330	347.541
77.5	280.488	275.280	274.815	277.233	276.861	277.233	274.815	275.280	280.488	275.280
80.0	226.641	223.293	221.991	225.153	225.060	225.153	221.991	223.293	226.641	223.293
82.5	184.140	182.373	180.513	184.512	185.907	184.512	180.513	182.373	184.140	182.373
85.0	151.776	150.381	149.544	152.799	155.124	152.799	149.544	150.381	151.776	150.381
87.5	128.805	129.363	128.154	130.200	131.316	130.200	128.154	129.363	128.805	129.363
90.0	116.529	119.040	117.831	118.761	118.761	118.761	117.831	119.040	116.529	119.040
92.5	107.229	105.369	105.462	106.950	110.763	106.950	105.462	105.369	107.229	105.369
95.0	91.884	87.513	88.629	89.652	94.023	89.652	88.629	87.513	91.884	87.513
97.5	74.865	71.238	71.145	73.749	76.260	73.749	71.145	71.238	74.865	71.238
100.0	57.846	55.707	54.963	58.311	59.706	58.311	54.963	55.707	57.846	55.707
102.5	43.524	42.129	41.478	44.175	44.547	44.175	41.478	42.129	43.524	42.129
105.0	32.550	32.922	33.015	32.550	32.364	32.550	33.015	32.922	32.550	32.922
107.5	28.365	30.783	30.969	27.900	25.575	27.900	30.783	30.969	28.365	30.783
110.0	34.596	40.641	41.013	33.201	26.970	33.201	40.641	40.641	34.596	40.641
112.5	53.010	62.961	63.798	51.057	37.386	51.057	63.798	62.961	53.010	62.961
115.0	83.049	95.232	97.557	82.305	61.473	82.305	97.557	95.232	83.049	95.232
117.5	115.134	121.923	125.736	116.715	94.860	116.715	125.736	121.923	115.134	121.923
120.0	136.617	134.943	140.709	144.057	126.945	144.057	134.943	134.943	136.617	134.943
122.5	138.756	129.177	136.803	147.405	143.685	147.405	136.803	129.177	138.756	129.177
125.0	115.041	102.486	108.810	121.737	130.944	121.737	108.810	102.486	115.041	102.486

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CANDELA TABULATION - (Cont.)

127.5	74.679	62.682	65.658	77.562	93.930	77.562	65.658	62.682	74.679	62.682
130.0	31.341	23.529	23.343	30.411	44.919	30.411	23.343	23.529	31.341	23.529
132.5	2.790	0.000	0.000	1.674	6.603	1.674	0.000	0.000	2.790	0.000
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Vert. Horizontal Angles

	<u>225.0</u>	<u>247.5</u>	<u>270.0</u>	<u>292.5</u>	<u>315.0</u>	<u>337.5</u>	<u>360.0</u>
0.0	2011.776	2011.776	2011.776	2011.776	2011.776	2011.776	2011.776
2.5	2011.590	2008.800	2011.125	2008.800	2011.590	2011.869	2007.498
5.0	2088.966	2086.455	2096.220	2086.455	2088.966	2086.827	2085.525
7.5	2268.270	2283.894	2286.684	2283.894	2268.270	2271.618	2268.456
10.0	2548.014	2564.754	2564.289	2564.754	2548.014	2535.924	2532.576
12.5	2831.106	2845.149	2834.175	2845.149	2831.106	2816.040	2814.552
15.0	3062.676	3069.186	3043.611	3069.186	3062.676	3020.175	3023.616
17.5	3268.764	3295.920	3276.855	3295.920	3268.764	3239.841	3243.840
20.0	3456.531	3484.524	3486.756	3484.524	3456.531	3420.819	3438.024
22.5	3569.991	3638.532	3645.321	3638.532	3569.991	3549.531	3574.176
25.0	3629.883	3729.486	3730.230	3729.486	3629.883	3635.928	3651.831
27.5	3635.928	3747.156	3747.714	3747.156	3635.928	3646.995	3670.059
30.0	3651.087	3772.731	3775.056	3772.731	3651.087	3689.403	3699.540
32.5	3594.078	3715.815	3711.816	3715.815	3594.078	3646.623	3644.856
35.0	3493.452	3623.466	3608.214	3623.466	3493.452	3566.643	3569.061
37.5	3502.101	3653.412	3600.774	3653.412	3502.101	3581.802	3572.688
40.0	3620.397	3782.310	3704.469	3782.310	3620.397	3701.307	3690.705
42.5	3751.527	3934.551	3814.860	3934.551	3751.527	3838.947	3818.394
45.0	3876.240	4069.959	3926.646	4069.959	3876.240	3963.474	3936.504
47.5	3771.615	3989.142	3837.366	3989.142	3771.615	3870.474	3850.386
50.0	3474.015	3694.704	3530.373	3694.704	3474.015	3547.764	3523.398
52.5	3058.677	3258.441	3113.919	3258.441	3058.677	3128.334	3093.273
55.0	2631.342	2795.022	2703.510	2795.022	2631.342	2696.907	2665.380
57.5	2265.759	2414.001	2360.805	2414.001	2265.759	2332.626	2299.146
60.0	1916.079	2027.493	1991.688	2027.493	1916.079	1958.952	1942.677
62.5	1473.027	1539.057	1512.180	1539.057	1473.027	1487.256	1464.936
65.0	1072.383	1100.655	1090.611	1100.655	1072.383	1074.708	1060.014

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CANDELA TABULATION - (Cont.)

67.5	787.524	796.452	799.335	796.452	787.524	795.057	792.453
70.0	589.806	591.573	597.432	591.573	589.806	595.479	599.013
72.5	447.981	448.818	454.305	448.818	447.981	450.213	456.816
75.0	347.727	348.843	350.052	348.843	347.727	347.541	354.330
77.5	274.815	277.233	276.861	277.233	274.815	275.280	280.488
80.0	221.991	225.153	225.060	225.153	221.991	223.293	226.641
82.5	180.513	184.512	185.907	184.512	180.513	182.373	184.140
85.0	149.544	152.799	155.124	152.799	149.544	150.381	151.776
87.5	128.154	130.200	131.316	130.200	128.154	129.363	128.805
90.0	117.831	118.761	118.761	118.761	117.831	119.040	116.529
92.5	105.462	106.950	110.763	106.950	105.462	105.369	107.229
95.0	88.629	89.652	94.023	89.652	88.629	87.513	91.884
97.5	71.145	73.749	76.260	73.749	71.145	71.238	74.865
100.0	54.963	58.311	59.706	58.311	54.963	55.707	57.846
102.5	41.478	44.175	44.547	44.175	41.478	42.129	43.524
105.0	33.015	32.550	32.364	32.550	33.015	32.922	32.550
107.5	30.969	27.900	25.575	27.900	30.969	30.783	28.365
110.0	41.013	33.201	26.970	33.201	41.013	40.641	34.596
112.5	63.798	51.057	37.386	51.057	63.798	62.961	53.010
115.0	97.557	82.305	61.473	82.305	97.557	95.232	83.049
117.5	125.736	116.715	94.860	116.715	125.736	121.923	115.134
120.0	140.709	144.057	126.945	144.057	140.709	134.943	136.617
122.5	136.803	147.405	143.685	147.405	136.803	129.177	138.756
125.0	108.810	121.737	130.944	121.737	108.810	102.486	115.041
127.5	65.658	77.562	93.930	77.562	65.658	62.682	74.679
130.0	23.343	30.411	44.919	30.411	23.343	23.529	31.341
132.5	0.000	1.674	6.603	1.674	0.000	0.000	2.790
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
140.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
145.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
147.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
155.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
165.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
170.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
175.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
177.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1088.02	N.A.	8.70
0-30	2772.78	N.A.	22.20
0-40	5051.37	N.A.	40.50
0-60	10451.93	N.A.	83.70
0-80	11988.94	N.A.	96.10
0-90	12162.07	N.A.	97.40
10-90	11947.59	N.A.	95.70
20-40	3963.35	N.A.	31.80
20-50	6924.12	N.A.	55.50
40-70	6546.19	N.A.	52.40
60-80	1537.00	N.A.	12.30
70-80	391.38	N.A.	3.10
80-90	173.14	N.A.	1.40
90-110	137.60	N.A.	1.10
90-120	223.04	N.A.	1.80
90-130	315.70	N.A.	2.50
90-150	318.99	N.A.	2.60
90-180	318.99	N.A.	2.60
110-180	181.39	N.A.	1.50
0-180	12481.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	214.48
10-20	873.54
20-30	1684.76
30-40	2278.59
40-50	2960.77
50-60	2439.79
60-70	1145.63
70-80	391.38
80-90	173.14
90-100	97.44
100-110	40.16
110-120	85.43
120-130	92.66
130-140	3.30
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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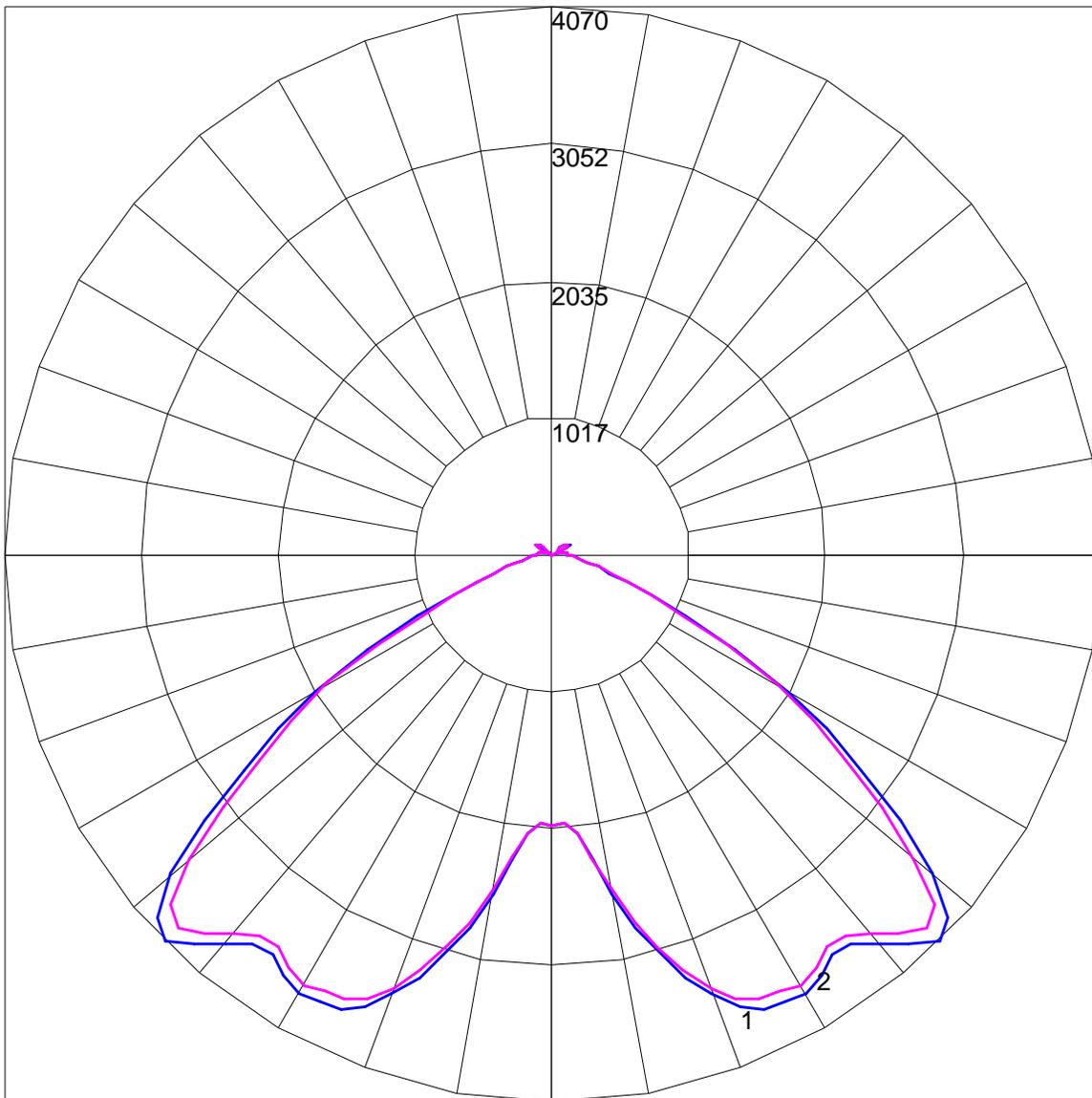
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	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	110	110	110	104	104	104	100	100	100	97
1	109	104	100	97	106	102	98	95	97	94	91	93	90	88	89	87	85	83
2	99	91	85	79	96	89	83	78	85	80	76	82	77	74	78	75	72	70
3	90	80	72	66	88	78	71	65	75	69	63	72	67	62	69	65	61	58
4	82	71	62	55	80	69	61	55	66	59	54	64	58	53	61	56	52	49
5	75	63	54	47	73	61	53	47	59	51	46	57	50	45	54	49	44	42
6	69	56	47	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	47	40	34	46	39	34	44	38	33	31
8	59	45	37	31	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	40	32	27	39	32	27	38	31	26	37	31	26	24
10	51	38	30	24	50	37	29	24	36	29	24	35	28	24	34	28	23	22

POLAR GRAPH



Maximum Candela = 4069.959 Located At Horizontal Angle = 67.5, Vertical Angle = 45
1 - Vertical Plane Through Horizontal Angles (67.5 - 247.5) (Through Max. Cd.)
2 - Vertical Plane Through Horizontal Angles (0 - 180)