

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00679 ~ PR3007LEDLX65L35KEXCD3X.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [LUMCAT] CRT1804171150-002, Model: PR3007LEDLX65LX140L35KEX/CD3X  
 [LUMINAIRE] LED High Bay  
 [LAMP] LED  
 [USER DEFINED] 120.01 VAC, 909.1 mA, 108.71 W, 0.9964 PF  
 [TEST] SP-00679  
 [TESTLAB] Intertek  
 [ISSUEDATE] 04/24/2018  
 [MANUFAC] Spectrum Lighting

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6321
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	56.2
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	5382	5299	5368
55	4258	4203	4319
65	2113	2138	2174
75	979	961	967
85	719	708	735

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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	1018.867	1018.867	1018.867	1018.867	1018.867	1018.867	1018.867	1018.867	1018.867	1018.867
2.5	1016.701	1018.914	1018.773	1017.360	1018.537	1017.360	1018.773	1018.914	1016.701	1018.914
5.0	1056.217	1056.877	1057.960	1056.688	1061.634	1056.688	1057.960	1056.877	1056.217	1056.877
7.5	1148.863	1150.465	1148.769	1156.682	1158.095	1156.682	1148.769	1150.465	1148.863	1150.465
10.0	1282.627	1284.323	1290.446	1298.924	1298.688	1298.924	1290.446	1284.323	1282.627	1284.323
12.5	1425.434	1426.188	1433.818	1440.930	1435.372	1440.930	1433.818	1426.188	1425.434	1426.188
15.0	1531.315	1529.572	1551.097	1554.394	1541.442	1554.394	1551.097	1529.572	1531.315	1529.572
17.5	1642.848	1640.823	1655.471	1669.224	1659.568	1669.224	1655.471	1640.823	1642.848	1640.823
20.0	1741.193	1732.479	1750.566	1764.743	1765.873	1764.743	1750.566	1732.479	1741.193	1732.479
22.5	1810.147	1797.666	1808.028	1842.740	1846.179	1842.740	1808.028	1797.666	1810.147	1797.666
25.0	1849.476	1841.422	1838.360	1888.804	1889.181	1888.804	1838.360	1841.422	1849.476	1841.422
27.5	1858.707	1847.026	1841.422	1897.753	1898.036	1897.753	1841.422	1847.026	1858.707	1847.026
30.0	1873.638	1868.504	1849.099	1910.706	1911.883	1910.706	1849.099	1868.504	1873.638	1868.504
32.5	1845.943	1846.838	1820.227	1881.880	1879.855	1881.880	1820.227	1846.838	1845.943	1846.838
35.0	1807.557	1806.332	1769.264	1835.110	1827.386	1835.110	1769.264	1806.332	1807.557	1806.332
37.5	1809.394	1814.009	1773.645	1850.276	1823.618	1850.276	1773.645	1814.009	1809.394	1814.009
40.0	1869.163	1874.533	1833.556	1915.557	1876.134	1915.557	1833.556	1874.533	1869.163	1874.533
42.5	1933.832	1944.241	1899.967	1992.660	1932.042	1992.660	1899.967	1944.241	1933.832	1944.241
45.0	1993.649	2007.308	1963.128	2061.237	1988.656	2061.237	1963.128	2007.308	1993.649	2007.308
47.5	1950.034	1960.208	1910.140	2020.307	1943.440	2020.307	1910.140	1960.208	1950.034	1960.208
50.0	1784.431	1796.771	1759.420	1871.189	1787.963	1871.189	1759.420	1796.771	1784.431	1796.771
52.5	1566.593	1584.350	1549.072	1650.243	1577.049	1650.243	1549.072	1584.350	1566.593	1584.350
55.0	1349.886	1365.853	1332.647	1415.543	1369.197	1415.543	1332.647	1365.853	1349.886	1365.853
57.5	1164.406	1181.362	1147.497	1222.575	1195.633	1222.575	1147.497	1181.362	1164.406	1181.362
60.0	983.872	992.114	970.401	1026.827	1008.694	1026.827	970.401	992.114	983.872	992.114
62.5	741.919	753.223	746.017	779.458	765.846	779.458	746.017	753.223	741.919	753.223
65.0	536.846	544.288	543.110	557.428	552.342	557.428	543.110	544.288	536.846	544.288
67.5	401.339	402.658	398.843	403.364	404.824	403.364	398.843	402.658	401.339	402.658
70.0	303.371	301.581	298.708	299.603	302.570	299.603	298.708	301.581	303.371	301.581
72.5	231.355	228.011	226.881	227.305	230.083	227.305	226.881	228.011	231.355	228.011
75.0	179.451	176.013	176.107	176.672	177.284	176.672	176.107	176.013	179.451	176.013
77.5	142.054	139.416	139.180	140.405	140.217	140.405	139.180	139.416	142.054	139.416
80.0	114.783	113.087	112.428	114.029	113.982	114.029	112.428	113.087	114.783	113.087
82.5	93.258	92.363	91.421	93.446	94.153	93.446	91.421	92.363	93.258	92.363
85.0	76.867	76.161	75.737	77.385	78.563	77.385	75.737	76.161	76.867	76.161
87.5	65.233	65.516	64.904	65.940	66.505	65.940	64.904	65.516	65.233	65.516
90.0	59.016	60.288	59.676	60.147	60.147	60.147	59.676	60.288	59.016	60.288
92.5	54.306	53.364	53.411	54.165	56.096	54.165	53.411	53.364	54.306	53.364
95.0	46.535	44.321	44.886	45.404	47.618	45.404	44.886	44.321	46.535	44.321
97.5	37.915	36.079	36.031	37.350	38.622	37.350	36.031	36.079	37.915	36.079
100.0	29.296	28.213	27.836	29.532	30.238	29.532	27.836	28.213	29.296	28.213
102.5	22.043	21.336	21.007	22.372	22.561	22.372	21.007	21.336	22.043	21.336
105.0	16.485	16.673	16.720	16.485	16.391	16.485	16.720	16.673	16.485	16.673
107.5	14.365	15.590	15.684	14.130	12.952	14.130	15.684	15.590	14.365	15.590
110.0	17.521	20.583	20.771	16.815	13.659	16.815	20.771	20.583	17.521	20.583
112.5	26.847	31.887	32.311	25.858	18.934	25.858	32.311	31.887	26.847	31.887
115.0	42.060	48.230	49.408	41.683	31.133	41.683	49.408	48.230	42.060	48.230
117.5	58.310	61.748	63.679	59.110	48.042	59.110	63.679	61.748	58.310	61.748
120.0	69.190	68.342	71.262	72.958	64.291	72.958	71.262	68.342	69.190	68.342
122.5	70.273	65.422	69.284	74.653	72.769	74.653	69.284	65.422	70.273	65.422
125.0	58.263	51.904	55.107	61.654	66.317	61.654	55.107	51.904	58.263	51.904

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**CANDELA TABULATION - (Cont.)**

127.5	37.821	31.745	33.253	39.281	47.571	39.281	33.253	31.745	37.821	31.745
130.0	15.873	11.916	11.822	15.402	22.749	15.402	11.822	11.916	15.873	11.916
132.5	1.413	0.000	0.000	0.848	3.344	0.848	0.000	0.000	1.413	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.  
Angles**

**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	1018.867	1018.867	1018.867	1018.867	1018.867	1018.867	1018.867
2.5	1018.773	1017.360	1018.537	1017.360	1018.773	1018.914	1016.701
5.0	1057.960	1056.688	1061.634	1056.688	1057.960	1056.877	1056.217
7.5	1148.769	1156.682	1158.095	1156.682	1148.769	1150.465	1148.863
10.0	1290.446	1298.924	1298.688	1298.924	1290.446	1284.323	1282.627
12.5	1433.818	1440.930	1435.372	1440.930	1433.818	1426.188	1425.434
15.0	1551.097	1554.394	1541.442	1554.394	1551.097	1529.572	1531.315
17.5	1655.471	1669.224	1659.568	1669.224	1655.471	1640.823	1642.848
20.0	1750.566	1764.743	1765.873	1764.743	1750.566	1732.479	1741.193
22.5	1808.028	1842.740	1846.179	1842.740	1808.028	1797.666	1810.147
25.0	1838.360	1888.804	1889.181	1888.804	1838.360	1841.422	1849.476
27.5	1841.422	1897.753	1898.036	1897.753	1841.422	1847.026	1858.707
30.0	1849.099	1910.706	1911.883	1910.706	1849.099	1868.504	1873.638
32.5	1820.227	1881.880	1879.855	1881.880	1820.227	1846.838	1845.943
35.0	1769.264	1835.110	1827.386	1835.110	1769.264	1806.332	1807.557
37.5	1773.645	1850.276	1823.618	1850.276	1773.645	1814.009	1809.394
40.0	1833.556	1915.557	1876.134	1915.557	1833.556	1874.533	1869.163
42.5	1899.967	1992.660	1932.042	1992.660	1899.967	1944.241	1933.832
45.0	1963.128	2061.237	1988.656	2061.237	1963.128	2007.308	1993.649
47.5	1910.140	2020.307	1943.440	2020.307	1910.140	1960.208	1950.034
50.0	1759.420	1871.189	1787.963	1871.189	1759.420	1796.771	1784.431
52.5	1549.072	1650.243	1577.049	1650.243	1549.072	1584.350	1566.593
55.0	1332.647	1415.543	1369.197	1415.543	1332.647	1365.853	1349.886
57.5	1147.497	1222.575	1195.633	1222.575	1147.497	1181.362	1164.406
60.0	970.401	1026.827	1008.694	1026.827	970.401	992.114	983.872
62.5	746.017	779.458	765.846	779.458	746.017	753.223	741.919
65.0	543.110	557.428	552.342	557.428	543.110	544.288	536.846

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**CANDELA TABULATION - (Cont.)**

67.5	398.843	403.364	404.824	403.364	398.843	402.658	401.339
70.0	298.708	299.603	302.570	299.603	298.708	301.581	303.371
72.5	226.881	227.305	230.083	227.305	226.881	228.011	231.355
75.0	176.107	176.672	177.284	176.672	176.107	176.013	179.451
77.5	139.180	140.405	140.217	140.405	139.180	139.416	142.054
80.0	112.428	114.029	113.982	114.029	112.428	113.087	114.783
82.5	91.421	93.446	94.153	93.446	91.421	92.363	93.258
85.0	75.737	77.385	78.563	77.385	75.737	76.161	76.867
87.5	64.904	65.940	66.505	65.940	64.904	65.516	65.233
90.0	59.676	60.147	60.147	60.147	59.676	60.288	59.016
92.5	53.411	54.165	56.096	54.165	53.411	53.364	54.306
95.0	44.886	45.404	47.618	45.404	44.886	44.321	46.535
97.5	36.031	37.350	38.622	37.350	36.031	36.079	37.915
100.0	27.836	29.532	30.238	29.532	27.836	28.213	29.296
102.5	21.007	22.372	22.561	22.372	21.007	21.336	22.043
105.0	16.720	16.485	16.391	16.485	16.720	16.673	16.485
107.5	15.684	14.130	12.952	14.130	15.684	15.590	14.365
110.0	20.771	16.815	13.659	16.815	20.771	20.583	17.521
112.5	32.311	25.858	18.934	25.858	32.311	31.887	26.847
115.0	49.408	41.683	31.133	41.683	49.408	48.230	42.060
117.5	63.679	59.110	48.042	59.110	63.679	61.748	58.310
120.0	71.262	72.958	64.291	72.958	71.262	68.342	69.190
122.5	69.284	74.653	72.769	74.653	69.284	65.422	70.273
125.0	55.107	61.654	66.317	61.654	55.107	51.904	58.263
127.5	33.253	39.281	47.571	39.281	33.253	31.745	37.821
130.0	11.822	15.402	22.749	15.402	11.822	11.916	15.873
132.5	0.000	0.848	3.344	0.848	0.000	0.000	1.413
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	551.03	N.A.	8.70
0-30	1404.28	N.A.	22.20
0-40	2558.28	N.A.	40.50
0-60	5293.4	N.A.	83.70
0-80	6071.81	N.A.	96.10
0-90	6159.5	N.A.	97.40
10-90	6050.88	N.A.	95.70
20-40	2007.25	N.A.	31.80
20-50	3506.73	N.A.	55.50
40-70	3315.32	N.A.	52.40
60-80	778.42	N.A.	12.30
70-80	198.21	N.A.	3.10
80-90	87.69	N.A.	1.40
90-110	69.69	N.A.	1.10
90-120	112.96	N.A.	1.80
90-130	159.88	N.A.	2.50
90-150	161.55	N.A.	2.60
90-180	161.55	N.A.	2.60
110-180	91.86	N.A.	1.50
0-180	6321.05	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	108.62
10-20	442.41
20-30	853.25
30-40	1154.00
40-50	1499.49
50-60	1235.63
60-70	580.20
70-80	198.21
80-90	87.69
90-100	49.35
100-110	20.34
110-120	43.27
120-130	46.93
130-140	1.67
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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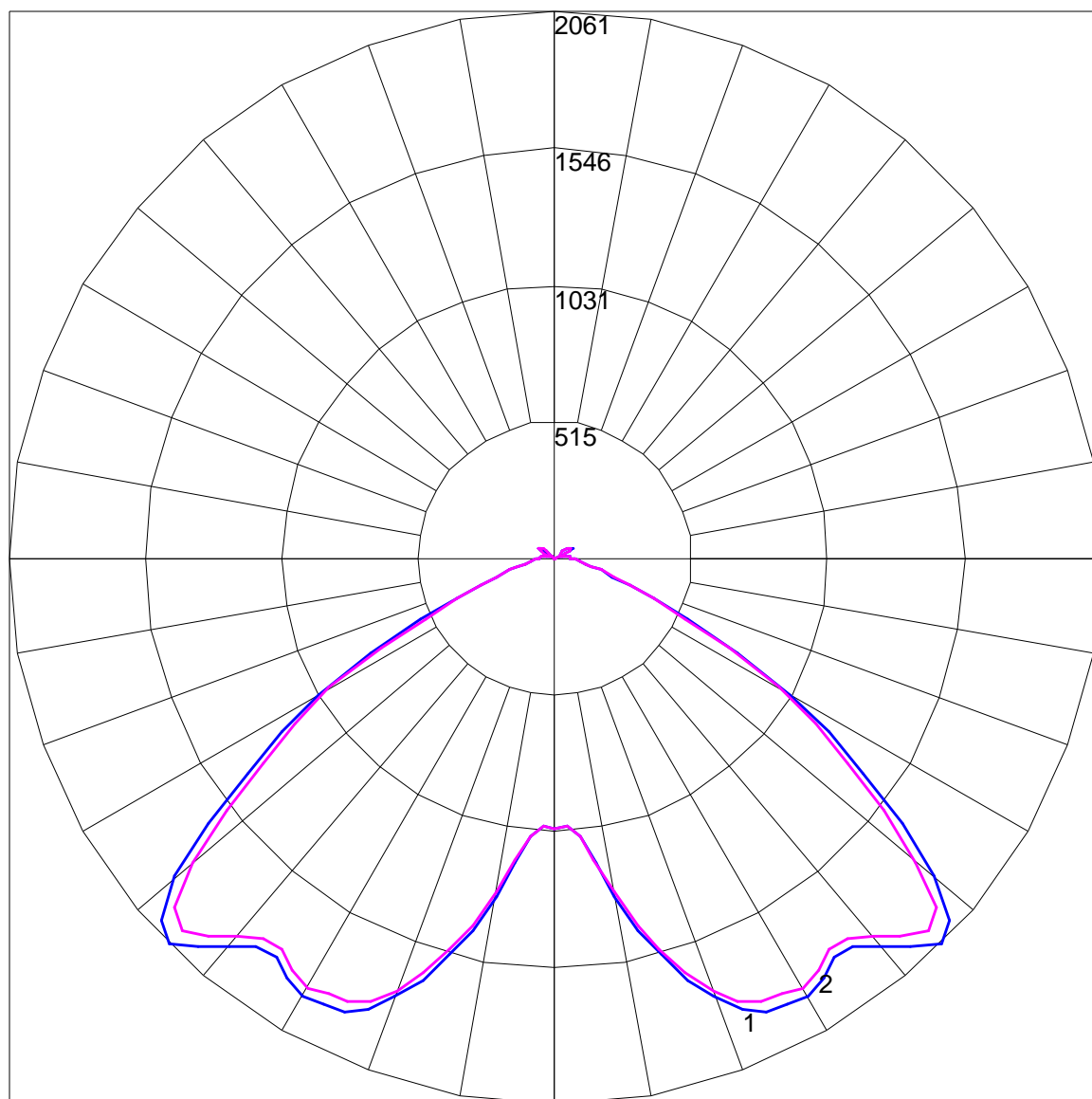
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

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	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

IES INDOOR REPORT  
PHOTOMETRIC FILENAME : SP-00679 ~ PR3007LEDLX65L35KEXCD3X.IES

POLAR GRAPH



Maximum Candela = 2061.237 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)