

**IES INDOOR REPORT**

**PHOTOMETRIC FILENAME : SP-00679\_1 ~ PR3007LEDLX100L35KEXCD3X .IES**

**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
[LUMCAT] CRT1804171150-002, Model: PR3007LEDLX100LX140L35KEX/CD3X  
[LUMINAIRE] LED High Bay  
[LAMP] LED  
[USER DEFINED] 120.01 VAC, 909.1 mA, 108.71 W, 0.9964 PF  
[TEST] SP-00679\_1  
[TESTLAB] Intertek  
[ISSUEDATE] 04/24/2018  
[MANUFAC] Spectrum Lighting

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	9475
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	81.06
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	8067	7944	8047
55	6382	6301	6473
65	3168	3205	3259
75	1468	1440	1450
85	1077	1062	1101

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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>
<b>0.0</b>	1527.219	1527.219	1527.219	1527.219	1527.219	1527.219	1527.219	1527.219	1527.219	1527.219
<b>2.5</b>	1523.972	1527.290	1527.078	1524.960	1526.725	1524.960	1527.078	1527.290	1523.972	1527.290
<b>5.0</b>	1583.205	1584.193	1585.817	1583.911	1591.324	1583.911	1585.817	1584.193	1583.205	1584.193
<b>7.5</b>	1722.075	1724.476	1721.934	1733.795	1735.913	1733.795	1721.934	1724.476	1722.075	1724.476
<b>10.0</b>	1922.579	1925.121	1934.299	1947.007	1946.654	1947.007	1934.299	1925.121	1922.579	1925.121
<b>12.5</b>	2136.638	2137.768	2149.205	2159.866	2151.535	2159.866	2149.205	2137.768	2136.638	2137.768
<b>15.0</b>	2295.347	2292.735	2324.999	2329.941	2310.526	2329.941	2324.999	2292.735	2295.347	2292.735
<b>17.5</b>	2462.528	2459.492	2481.449	2502.064	2487.591	2502.064	2481.449	2459.492	2462.528	2459.492
<b>20.0</b>	2609.941	2596.880	2623.990	2645.241	2646.935	2645.241	2623.990	2596.880	2609.941	2596.880
<b>22.5</b>	2713.299	2694.590	2710.122	2762.154	2767.308	2762.154	2710.122	2694.590	2713.299	2694.590
<b>25.0</b>	2772.250	2760.177	2755.588	2831.201	2831.766	2831.201	2755.588	2760.177	2772.250	2760.177
<b>27.5</b>	2786.088	2768.579	2760.177	2844.615	2845.039	2844.615	2760.177	2768.579	2786.088	2768.579
<b>30.0</b>	2808.468	2800.772	2771.685	2864.030	2865.795	2864.030	2771.685	2800.772	2808.468	2800.772
<b>32.5</b>	2766.955	2768.296	2728.407	2820.823	2817.787	2820.823	2728.407	2768.296	2766.955	2768.296
<b>35.0</b>	2709.416	2707.580	2652.018	2750.717	2739.139	2750.717	2652.018	2707.580	2709.416	2707.580
<b>37.5</b>	2712.169	2719.088	2658.584	2773.450	2733.491	2773.450	2658.584	2719.088	2712.169	2719.088
<b>40.0</b>	2801.761	2809.809	2748.387	2871.302	2812.210	2871.302	2748.387	2809.809	2801.761	2809.809
<b>42.5</b>	2898.695	2914.297	2847.933	2986.874	2896.012	2986.874	2847.933	2914.297	2898.695	2914.297
<b>45.0</b>	2988.357	3008.831	2942.608	3089.668	2980.873	3089.668	2942.608	3008.831	2988.357	3008.831
<b>47.5</b>	2922.981	2938.231	2863.183	3028.316	2913.097	3028.316	2863.183	2938.231	2922.981	2938.231
<b>50.0</b>	2674.751	2693.249	2637.263	2804.797	2680.046	2804.797	2637.263	2693.249	2674.751	2693.249
<b>52.5</b>	2348.227	2374.843	2321.963	2473.612	2363.900	2473.612	2321.963	2374.843	2348.227	2374.843
<b>55.0</b>	2023.396	2047.329	1997.556	2121.812	2052.342	2121.812	1997.556	2047.329	2023.396	2047.329
<b>57.5</b>	1745.373	1770.789	1720.028	1832.564	1792.181	1832.564	1720.028	1770.789	1745.373	1770.789
<b>60.0</b>	1474.763	1487.118	1454.572	1539.151	1511.970	1539.151	1454.572	1487.118	1474.763	1487.118
<b>62.5</b>	1112.091	1129.035	1118.233	1168.359	1147.956	1168.359	1118.233	1129.035	1112.091	1129.035
<b>65.0</b>	804.699	815.854	814.089	835.551	827.926	835.551	814.089	815.854	804.699	815.854
<b>67.5</b>	601.583	603.559	597.841	604.618	606.807	604.618	597.841	603.559	601.583	603.559
<b>70.0</b>	454.735	452.052	447.745	449.087	453.534	449.087	447.745	452.052	454.735	452.052
<b>72.5</b>	346.787	341.775	340.080	340.716	344.881	340.716	340.080	341.775	346.787	341.775
<b>75.0</b>	268.986	263.832	263.973	264.821	265.738	264.821	263.973	263.832	268.986	263.832
<b>77.5</b>	212.930	208.976	208.623	210.459	210.176	210.459	208.623	208.976	212.930	208.976
<b>80.0</b>	172.052	169.511	168.522	170.923	170.852	170.923	168.522	169.511	172.052	169.511
<b>82.5</b>	139.788	138.447	137.035	140.070	141.129	140.070	137.035	138.447	139.788	138.447
<b>85.0</b>	115.219	114.160	113.525	115.996	117.761	115.996	113.525	114.160	115.219	114.160
<b>87.5</b>	97.781	98.205	97.287	98.840	99.687	98.840	97.287	98.205	97.781	98.205
<b>90.0</b>	88.462	90.368	89.450	90.156	90.156	90.156	89.450	90.368	88.462	90.368
<b>92.5</b>	81.402	79.990	80.060	81.190	84.085	81.190	80.060	79.990	81.402	79.990
<b>95.0</b>	69.753	66.435	67.282	68.058	71.377	68.058	67.282	66.435	69.753	66.435
<b>97.5</b>	56.833	54.080	54.009	55.986	57.892	55.986	54.009	54.080	56.833	54.080
<b>100.0</b>	43.913	42.289	41.725	44.266	45.325	44.266	41.725	42.289	43.913	42.289
<b>102.5</b>	33.041	31.982	31.488	33.535	33.817	33.535	31.488	31.982	33.041	31.982
<b>105.0</b>	24.710	24.992	25.063	24.710	24.569	24.710	25.063	24.992	24.710	24.992
<b>107.5</b>	21.533	23.369	23.510	21.180	19.415	21.180	23.510	23.369	21.533	23.369
<b>110.0</b>	26.263	30.852	31.135	25.204	20.474	25.204	31.135	30.852	26.263	30.852
<b>112.5</b>	40.242	47.796	48.432	38.759	28.381	38.759	48.432	47.796	40.242	47.796
<b>115.0</b>	63.046	72.294	74.059	62.481	46.667	62.481	74.059	72.294	63.046	72.294
<b>117.5</b>	87.403	92.557	95.451	88.603	72.012	88.603	95.451	92.557	87.403	92.557
<b>120.0</b>	103.711	102.441	106.818	109.359	96.369	109.359	106.818	102.441	103.711	102.441
<b>122.5</b>	105.335	98.063	103.853	111.901	109.077	111.901	103.853	98.063	105.335	98.063
<b>125.0</b>	87.332	77.801	82.602	92.415	99.405	92.415	82.602	77.801	87.332	77.801

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**CANDELA TABULATION - (Cont.)**

127.5	56.692	47.584	49.844	58.880	71.306	58.880	49.844	47.584	56.692	47.584
130.0	23.792	17.862	17.721	23.086	34.100	23.086	17.721	17.862	23.792	17.862
132.5	2.118	0.000	0.000	1.271	5.013	1.271	0.000	0.000	2.118	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	1527.219	1527.219	1527.219	1527.219	1527.219	1527.219	1527.219
2.5	1527.078	1524.960	1526.725	1524.960	1527.078	1527.290	1523.972
5.0	1585.817	1583.911	1591.324	1583.911	1585.817	1584.193	1583.205
7.5	1721.934	1733.795	1735.913	1733.795	1721.934	1724.476	1722.075
10.0	1934.299	1947.007	1946.654	1947.007	1934.299	1925.121	1922.579
12.5	2149.205	2159.866	2151.535	2159.866	2149.205	2137.768	2136.638
15.0	2324.999	2329.941	2310.526	2329.941	2324.999	2292.735	2295.347
17.5	2481.449	2502.064	2487.591	2502.064	2481.449	2459.492	2462.528
20.0	2623.990	2645.241	2646.935	2645.241	2623.990	2596.880	2609.941
22.5	2710.122	2762.154	2767.308	2762.154	2710.122	2694.590	2713.299
25.0	2755.588	2831.201	2831.766	2831.201	2755.588	2760.177	2772.250
27.5	2760.177	2844.615	2845.039	2844.615	2760.177	2768.579	2786.088
30.0	2771.685	2864.030	2865.795	2864.030	2771.685	2800.772	2808.468
32.5	2728.407	2820.823	2817.787	2820.823	2728.407	2768.296	2766.955
35.0	2652.018	2750.717	2739.139	2750.717	2652.018	2707.580	2709.416
37.5	2658.584	2773.450	2733.491	2773.450	2658.584	2719.088	2712.169
40.0	2748.387	2871.302	2812.210	2871.302	2748.387	2809.809	2801.761
42.5	2847.933	2986.874	2896.012	2986.874	2847.933	2914.297	2898.695
45.0	2942.608	3089.668	2980.873	3089.668	2942.608	3008.831	2988.357
47.5	2863.183	3028.316	2913.097	3028.316	2863.183	2938.231	2922.981
50.0	2637.263	2804.797	2680.046	2804.797	2637.263	2693.249	2674.751
52.5	2321.963	2473.612	2363.900	2473.612	2321.963	2374.843	2348.227
55.0	1997.556	2121.812	2052.342	2121.812	1997.556	2047.329	2023.396
57.5	1720.028	1832.564	1792.181	1832.564	1720.028	1770.789	1745.373
60.0	1454.572	1539.151	1511.970	1539.151	1454.572	1487.118	1474.763
62.5	1118.233	1168.359	1147.956	1168.359	1118.233	1129.035	1112.091
65.0	814.089	835.551	827.926	835.551	814.089	815.854	804.699

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**CANDELA TABULATION - (Cont.)**

67.5	597.841	604.618	606.807	604.618	597.841	603.559	601.583
70.0	447.745	449.087	453.534	449.087	447.745	452.052	454.735
72.5	340.080	340.716	344.881	340.716	340.080	341.775	346.787
75.0	263.973	264.821	265.738	264.821	263.973	263.832	268.986
77.5	208.623	210.459	210.176	210.459	208.623	208.976	212.930
80.0	168.522	170.923	170.852	170.923	168.522	169.511	172.052
82.5	137.035	140.070	141.129	140.070	137.035	138.447	139.788
85.0	113.525	115.996	117.761	115.996	113.525	114.160	115.219
87.5	97.287	98.840	99.687	98.840	97.287	98.205	97.781
90.0	89.450	90.156	90.156	90.156	89.450	90.368	88.462
92.5	80.060	81.190	84.085	81.190	80.060	79.990	81.402
95.0	67.282	68.058	71.377	68.058	67.282	66.435	69.753
97.5	54.009	55.986	57.892	55.986	54.009	54.080	56.833
100.0	41.725	44.266	45.325	44.266	41.725	42.289	43.913
102.5	31.488	33.535	33.817	33.535	31.488	31.982	33.041
105.0	25.063	24.710	24.569	24.710	25.063	24.992	24.710
107.5	23.510	21.180	19.415	21.180	23.510	23.369	21.533
110.0	31.135	25.204	20.474	25.204	31.135	30.852	26.263
112.5	48.432	38.759	28.381	38.759	48.432	47.796	40.242
115.0	74.059	62.481	46.667	62.481	74.059	72.294	63.046
117.5	95.451	88.603	72.012	88.603	95.451	92.557	87.403
120.0	106.818	109.359	96.369	109.359	106.818	102.441	103.711
122.5	103.853	111.901	109.077	111.901	103.853	98.063	105.335
125.0	82.602	92.415	99.405	92.415	82.602	77.801	87.332
127.5	49.844	58.880	71.306	58.880	49.844	47.584	56.692
130.0	17.721	23.086	34.100	23.086	17.721	17.862	23.792
132.5	0.000	1.271	5.013	1.271	0.000	0.000	2.118
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

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00679\_1 ~ PR3007LEDLX100L35KEXCD3X .IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	825.96	N.A.	8.70
0-30	2104.93	N.A.	22.20
0-40	3834.7	N.A.	40.50
0-60	7934.48	N.A.	83.70
0-80	9101.27	N.A.	96.10
0-90	9232.71	N.A.	97.40
10-90	9069.89	N.A.	95.70
20-40	3008.74	N.A.	31.80
20-50	5256.38	N.A.	55.50
40-70	4969.47	N.A.	52.40
60-80	1166.8	N.A.	12.30
70-80	297.11	N.A.	3.10
80-90	131.44	N.A.	1.40
90-110	104.46	N.A.	1.10
90-120	169.32	N.A.	1.80
90-130	239.66	N.A.	2.50
90-150	242.16	N.A.	2.60
90-180	242.16	N.A.	2.60
110-180	137.70	N.A.	1.50
0-180	9474.87	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	162.82
10-20	663.14
20-30	1278.97
30-40	1729.77
40-50	2247.64
50-60	1852.14
60-70	869.69
70-80	297.11
80-90	131.44
90-100	73.97
100-110	30.49
110-120	64.86
120-130	70.34
130-140	2.50
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

**IES INDOOR REPORT**

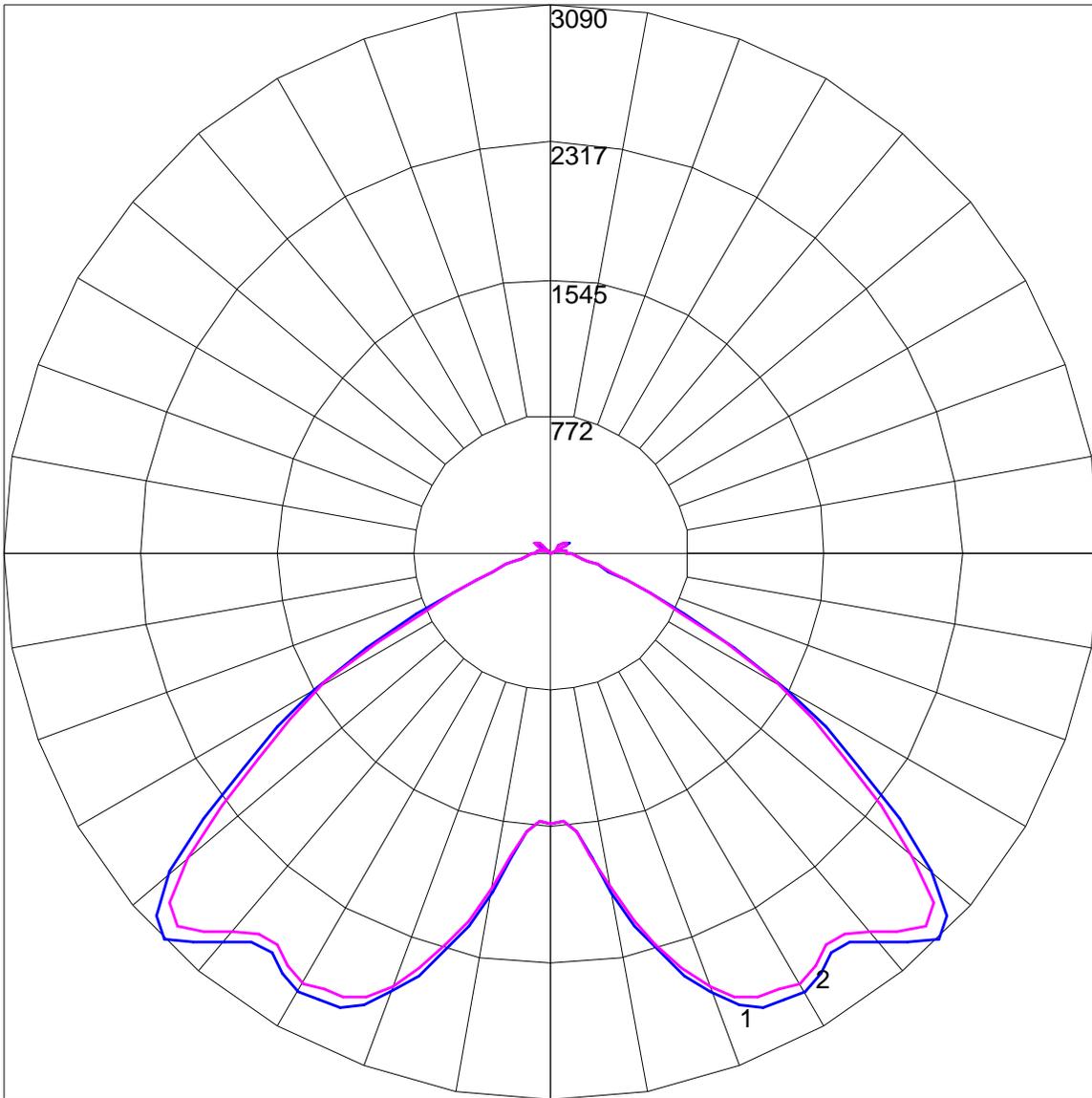
**PHOTOMETRIC FILENAME : SP-00679\_1 ~ PR3007LEDLX100L35KEXCD3X .IES**

**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 = 3089.668 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)