



## IES INDOOR REPORT

PHOTOMETRIC FILENAME : OLV-40-LED35-SO-FWA-D1.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
 [TEST] Prudential Lighting  
 [TESTLAB] Intertek  
 [ISSUE DATE] March 28, 2017  
 [MANUFAC] OLV-40-LED35-SO-FWA-D1

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8889
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	133
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Circular
Luminous Length (0-180)	3.00 ft (Diameter)
Luminous Width (90-270)	3.00 ft (Diameter)
Luminous Height	0.00 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4397	4387	4373
55	4259	4233	4230
65	4056	4027	4016
75	3780	3746	3734
85	3422	3368	3340

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : OLV-40-LED35-SO-FWA-D1.IES**

**CANDELA TABULATION**

	<b>0.0</b>	<b>22.5</b>	<b>45.0</b>	<b>67.5</b>	<b>90.0</b>	<b>112.5</b>	<b>135.0</b>	<b>157.5</b>	<b>180.0</b>	<b>202.5</b>
<b>0.0</b>	3064.750	3064.750	3064.750	3064.750	3064.750	3064.750	3064.750	3064.750	3064.750	3064.750
<b>2.5</b>	3059.882	3060.480	3061.797	3063.066	3062.554	3063.066	3061.797	3060.480	3059.882	3060.480
<b>5.0</b>	3048.707	3050.049	3050.915	3051.244	3050.793	3051.244	3050.915	3050.049	3048.707	3050.049
<b>7.5</b>	3031.310	3032.981	3033.786	3033.957	3033.554	3033.957	3033.786	3032.981	3031.310	3032.981
<b>10.0</b>	3008.154	3008.569	3008.483	3009.264	3009.533	3009.264	3008.483	3008.569	3008.154	3008.569
<b>12.5</b>	2976.568	2978.398	2976.934	2977.800	2977.800	2977.800	2976.934	2978.398	2976.568	2978.398
<b>15.0</b>	2939.736	2940.822	2940.871	2940.066	2939.700	2940.066	2940.871	2940.822	2939.736	2940.822
<b>17.5</b>	2895.280	2896.951	2896.207	2896.195	2895.963	2896.195	2896.207	2896.951	2895.280	2896.951
<b>20.0</b>	2845.772	2846.358	2844.503	2844.137	2844.198	2844.137	2844.503	2846.358	2845.772	2846.358
<b>22.5</b>	2788.993	2790.445	2788.042	2787.029	2785.870	2787.029	2788.042	2790.445	2788.993	2790.445
<b>25.0</b>	2726.480	2728.030	2725.370	2724.626	2722.601	2724.626	2725.370	2728.030	2726.480	2728.030
<b>27.5</b>	2659.283	2659.124	2658.368	2656.501	2653.524	2656.501	2658.368	2659.124	2659.283	2659.124
<b>30.0</b>	2581.386	2586.241	2584.363	2581.642	2578.958	2581.642	2584.363	2586.241	2581.386	2586.241
<b>32.5</b>	2502.623	2508.418	2505.685	2502.635	2499.987	2502.635	2505.685	2508.418	2502.623	2508.418
<b>35.0</b>	2420.334	2424.994	2421.956	2418.638	2415.014	2418.638	2421.956	2424.994	2420.334	2424.994
<b>37.5</b>	2333.897	2335.580	2332.445	2330.005	2325.784	2330.005	2332.445	2335.580	2333.897	2335.580
<b>40.0</b>	2244.312	2242.909	2239.078	2235.516	2232.356	2235.516	2239.078	2242.909	2244.312	2242.909
<b>42.5</b>	2146.773	2146.736	2141.320	2137.147	2136.183	2137.147	2141.320	2146.736	2146.773	2146.736
<b>45.0</b>	2043.793	2044.110	2038.998	2034.826	2032.569	2034.826	2038.998	2044.110	2043.793	2044.110
<b>47.5</b>	1937.250	1937.421	1932.870	1928.881	1925.880	1928.881	1932.870	1937.421	1937.250	1937.421
<b>50.0</b>	1828.768	1828.707	1823.388	1819.118	1818.678	1819.118	1823.388	1828.707	1828.768	1828.707
<b>52.5</b>	1719.541	1716.930	1711.282	1707.439	1706.487	1707.439	1711.282	1716.930	1719.541	1716.930
<b>55.0</b>	1605.715	1602.043	1595.980	1592.942	1594.735	1592.942	1595.980	1602.043	1605.715	1602.043
<b>57.5</b>	1487.351	1485.191	1479.628	1476.285	1477.237	1476.285	1479.628	1485.191	1487.351	1485.191
<b>60.0</b>	1366.510	1366.254	1360.044	1358.275	1355.054	1358.275	1360.044	1366.254	1366.510	1366.254
<b>62.5</b>	1247.645	1245.657	1239.593	1237.666	1233.615	1237.666	1239.593	1245.657	1247.645	1245.657
<b>65.0</b>	1126.792	1124.230	1118.679	1115.739	1115.568	1115.739	1118.679	1124.230	1126.792	1124.230
<b>67.5</b>	1005.561	1002.523	997.618	995.008	995.654	995.008	997.618	1002.523	1005.561	1002.523
<b>70.0</b>	882.548	881.718	876.375	874.154	873.422	874.154	876.375	881.718	882.548	881.718
<b>72.5</b>	760.841	761.085	756.217	755.522	752.740	755.522	756.217	761.085	760.841	761.085
<b>75.0</b>	643.135	642.428	637.316	637.084	635.327	637.084	637.316	642.428	643.135	642.428
<b>77.5</b>	528.223	525.308	521.123	520.025	518.768	520.025	521.123	525.308	528.223	525.308
<b>80.0</b>	413.116	410.615	408.175	406.382	406.821	406.382	408.175	410.615	413.116	410.615
<b>82.5</b>	300.998	299.327	297.875	296.863	296.997	296.863	297.875	299.327	300.998	299.327
<b>85.0</b>	196.030	193.590	192.919	191.430	191.357	191.430	192.919	193.590	196.030	193.590
<b>87.5</b>	96.002	93.403	93.184	91.415	90.475	91.415	93.184	93.403	96.002	93.403
<b>90.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>92.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>95.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>97.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>100.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>102.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>105.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>107.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>110.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>112.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>115.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>117.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>120.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>122.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>125.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>127.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>130.0</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>132.5</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

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**CANDELA TABULATION - (Cont.)**

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**

	<b>225.0</b>	<b>247.5</b>	<b>270.0</b>	<b>292.5</b>	<b>315.0</b>	<b>337.5</b>	<b>360.0</b>
0.0	3064.750	3064.750	3064.750	3064.750	3064.750	3064.750	3064.750
2.5	3061.797	3063.066	3062.554	3063.066	3061.797	3060.480	3059.882
5.0	3050.915	3051.244	3050.793	3051.244	3050.915	3050.049	3048.707
7.5	3033.786	3033.957	3033.554	3033.957	3033.786	3032.981	3031.310
10.0	3008.483	3009.264	3009.533	3009.264	3008.483	3008.569	3008.154
12.5	2976.934	2977.800	2977.800	2977.800	2976.934	2978.398	2976.568
15.0	2940.871	2940.066	2939.700	2940.066	2940.871	2940.822	2939.736
17.5	2896.207	2896.195	2895.963	2896.195	2896.207	2896.951	2895.280
20.0	2844.503	2844.137	2844.198	2844.137	2844.503	2846.358	2845.772
22.5	2788.042	2787.029	2785.870	2787.029	2788.042	2790.445	2788.993
25.0	2725.370	2724.626	2722.601	2724.626	2725.370	2728.030	2726.480
27.5	2658.368	2656.501	2653.524	2656.501	2658.368	2659.124	2659.283
30.0	2584.363	2581.642	2578.958	2581.642	2584.363	2586.241	2581.386
32.5	2505.685	2502.635	2499.987	2502.635	2505.685	2508.418	2502.623
35.0	2421.956	2418.638	2415.014	2418.638	2421.956	2424.994	2420.334
37.5	2332.445	2330.005	2325.784	2330.005	2332.445	2335.580	2333.897
40.0	2239.078	2235.516	2232.356	2235.516	2239.078	2242.909	2244.312
42.5	2141.320	2137.147	2136.183	2137.147	2141.320	2146.736	2146.773
45.0	2038.998	2034.826	2032.569	2034.826	2038.998	2044.110	2043.793
47.5	1932.870	1928.881	1925.880	1928.881	1932.870	1937.421	1937.250
50.0	1823.388	1819.118	1818.678	1819.118	1823.388	1828.707	1828.768
52.5	1711.282	1707.439	1706.487	1707.439	1711.282	1716.930	1719.541
55.0	1595.980	1592.942	1594.735	1592.942	1595.980	1602.043	1605.715
57.5	1479.628	1476.285	1477.237	1476.285	1479.628	1485.191	1487.351
60.0	1360.044	1358.275	1355.054	1358.275	1360.044	1366.254	1366.510
62.5	1239.593	1237.666	1233.615	1237.666	1239.593	1245.657	1247.645
65.0	1118.679	1115.739	1115.568	1115.739	1118.679	1124.230	1126.792
67.5	997.618	995.008	995.654	995.008	997.618	1002.523	1005.561
70.0	876.375	874.154	873.422	874.154	876.375	881.718	882.548
72.5	756.217	755.522	752.740	755.522	756.217	761.085	760.841
75.0	637.316	637.084	635.327	637.084	637.316	642.428	643.135
77.5	521.123	520.025	518.768	520.025	521.123	525.308	528.223
80.0	408.175	406.382	406.821	406.382	408.175	410.615	413.116

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CANDELA TABULATION - (Cont.)

82.5	297.875	296.863	296.997	296.863	297.875	299.327	300.998
85.0	192.919	191.430	191.357	191.430	192.919	193.590	196.030
87.5	93.184	91.415	90.475	91.415	93.184	93.403	96.002
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
92.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
95.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
97.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
100.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
102.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
105.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
107.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
110.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
112.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
115.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
117.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
120.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
125.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
127.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
130.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000
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**  
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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1119.57	N.A.	12.60
0-30	2375.66	N.A.	26.70
0-40	3889.86	N.A.	43.80
0-60	6890.13	N.A.	77.50
0-80	8674.41	N.A.	97.60
0-90	8888.92	N.A.	100.00
10-90	8599.04	N.A.	96.70
20-40	2770.28	N.A.	31.20
20-50	4342.8	N.A.	48.90
40-70	4108.76	N.A.	46.20
60-80	1784.28	N.A.	20.10
70-80	675.80	N.A.	7.60
80-90	214.51	N.A.	2.40
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	8888.92	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	289.88
10-20	829.70
20-30	1256.09
30-40	1514.19
40-50	1572.52
50-60	1427.76
60-70	1108.48
70-80	675.80
80-90	214.51
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

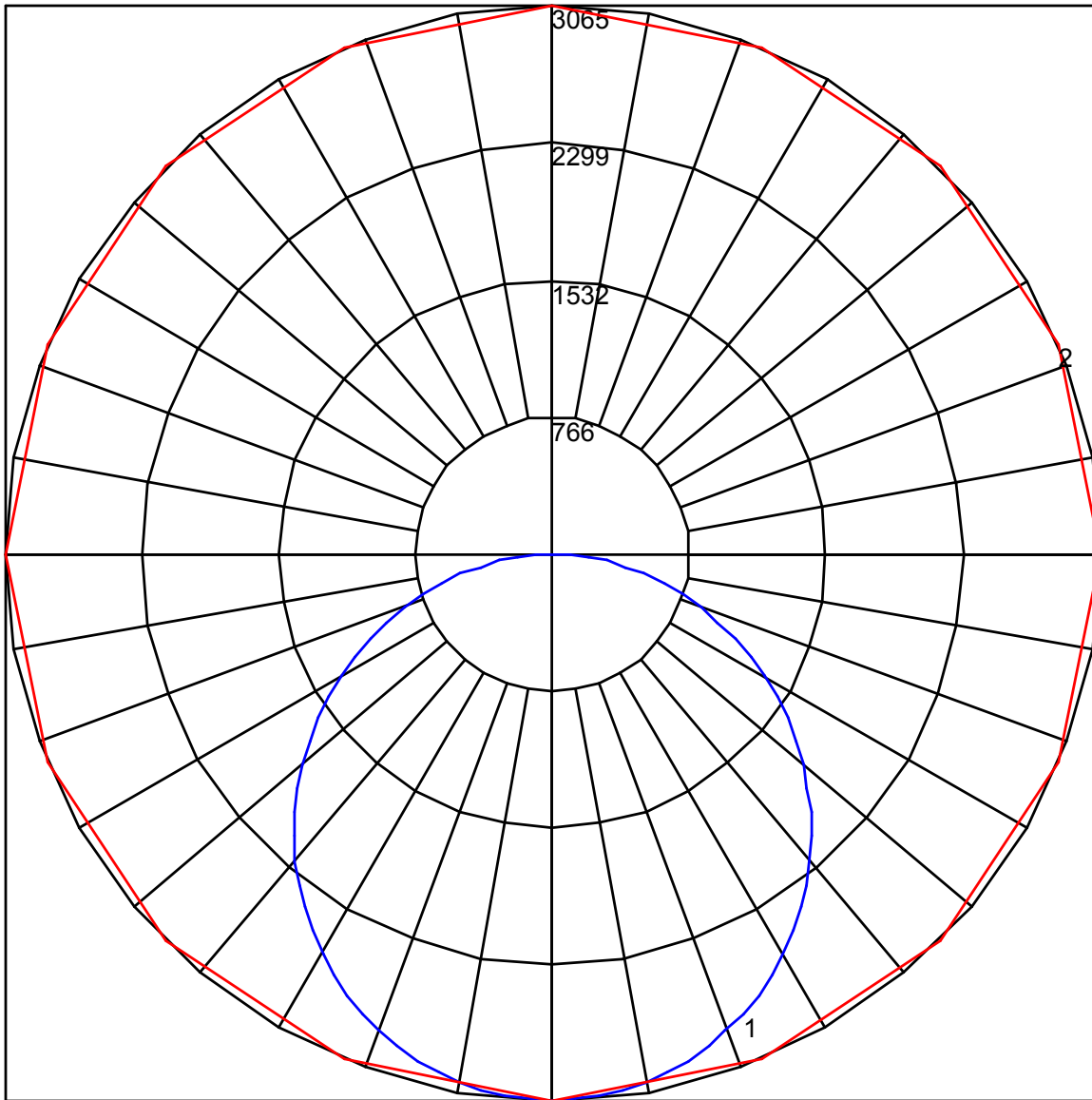
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	108	103	99	95	106	101	97	93	97	94	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	77	73	78	74	71	69
3	90	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	53	66	58	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	68	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29
9	56	42	34	29	55	42	34	28	41	33	28	40	33	28	39	32	28	26
10	52	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

POLAR GRAPH



Maximum Candela = 3064.75 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)