



IES INDOOR REPORT

PHOTOMETRIC FILENAME : BL726LEDSAASYWT40120-277V_P.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TESTLAB] Photopia 2018.1.0 see: www.ltioptics.com/ies
 [ISSUEDATE]
 [TESTDATE] Wed Dec 19 10:51:46 2018
 [TEST] 1
 [MANUFAC] BEGHELLI
 [LUMCAT]
 [LUMINAIRE] BL726LEDSAASYWT40120-277
 [LAMP] LED 0.3W White 2323 package (65mA)
 [LAMPCAT] SPMWHT221MD5WAT0S0
 [OTHER]
 IESNA:LM-63-2002[TEST] 6,552
 [TESTLAB] CSA Group
 [ISSUEDATE] 7/24/2013 1:09:24 PM
 [OTHER] Luminous shape: Rectangle
 [OTHER] Luminous dimensions (feet)
 [OTHER] 0 - 180 Axis: 4.2
 [OTHER] 90 - 270 Axis: 0.6
 [OTHER] Height: 0.1

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1120
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	112
Total Luminaire Watts	10
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	2.08
Spacing Criterion (90-270)	1.38
Spacing Criterion (Diagonal)	1.56
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.01 ft
Luminous Width (90-270)	0.99 ft
Luminous Height	0.36 ft

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BL726LEDSAASYWT40120-277V_P.IES

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	7237	6432	2836
55	3635	3440	1586
65	1224	1164	646
75	391	326	232
85	61	52	58

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BL726LEDSAASYWT40120-277V_P.IES

CANDELA TABULATION

	<u>0</u>	<u>10</u>	<u>20</u>	<u>30</u>	<u>40</u>	<u>50</u>	<u>60</u>	<u>70</u>	<u>80</u>	<u>90</u>
0.0	405.903	405.903	405.903	405.903	405.903	405.903	405.903	405.903	405.903	405.903
2.5	413.231	409.954	420.930	435.077	406.848	423.713	398.804	399.326	400.790	395.129
5.0	461.381	455.558	444.646	447.703	437.200	431.792	426.546	409.267	401.846	380.237
7.5	488.986	493.427	501.439	482.162	471.451	463.153	445.877	430.025	409.690	389.456
10.0	538.493	531.432	531.389	520.648	505.281	490.138	472.906	446.337	426.087	393.895
12.5	586.506	583.074	582.986	565.578	549.237	529.174	497.374	470.755	434.819	401.172
15.0	639.429	633.975	628.897	613.980	591.394	566.857	531.683	492.491	453.052	404.024
17.5	686.706	681.925	677.106	662.908	635.632	603.419	560.159	510.085	464.451	409.364
20.0	739.531	735.211	724.069	708.806	678.085	636.937	593.336	532.326	474.303	408.158
22.5	774.955	777.814	773.435	748.685	720.399	676.110	622.011	554.772	480.349	409.331
25.0	822.114	817.403	816.508	792.990	759.919	704.970	641.949	571.901	486.854	405.166
27.5	851.811	855.479	847.089	826.070	793.325	726.557	657.349	574.428	485.284	393.275
30.0	876.541	875.237	872.460	856.967	815.410	753.422	673.545	584.130	485.033	383.976
32.5	876.151	886.387	885.566	870.513	830.122	762.879	686.443	586.825	477.580	373.559
35.0	876.174	878.533	883.011	871.100	833.699	770.318	682.451	582.963	472.195	361.292
37.5	849.874	854.041	863.740	854.148	820.400	758.523	675.000	572.112	451.352	339.818
40.0	798.229	807.148	817.178	814.303	787.952	730.766	647.663	541.866	431.505	314.769
42.5	729.377	735.393	753.981	754.820	730.873	683.046	603.824	510.578	399.410	289.211
45.0	648.591	659.818	674.260	678.632	661.187	622.981	555.545	461.998	357.521	255.731
47.5	555.051	569.159	583.465	593.525	583.589	549.567	493.560	407.247	315.599	225.653
50.0	464.438	474.676	490.173	501.305	495.293	473.391	424.027	351.365	271.507	192.859
52.5	372.782	380.177	395.572	409.758	408.309	392.460	350.459	291.068	223.407	160.559
55.0	294.166	299.058	310.862	320.503	323.350	314.767	282.890	233.344	179.899	129.357
57.5	220.828	225.411	236.224	244.547	249.514	242.639	219.478	180.972	139.244	102.398
60.0	163.537	167.149	175.276	181.427	185.533	181.020	165.047	137.925	106.011	78.940
62.5	117.687	121.813	127.169	133.432	137.142	133.414	122.007	100.677	79.462	59.540
65.0	85.397	87.360	92.294	94.108	97.939	94.896	87.417	74.497	58.224	45.522
67.5	61.921	62.151	64.860	67.374	69.083	67.348	63.202	53.268	43.511	34.219
70.0	42.650	44.288	46.581	47.428	48.073	48.471	44.265	37.883	31.250	24.524
72.5	31.117	31.132	32.109	33.189	33.642	33.317	31.031	26.084	22.423	18.743
75.0	22.071	21.618	22.227	23.576	22.964	23.001	21.260	18.627	16.111	13.253
77.5	14.310	14.956	14.958	15.447	15.402	15.255	14.702	12.948	11.497	9.559
80.0	9.646	9.517	9.741	10.544	10.642	10.330	9.433	9.152	7.990	6.910
82.5	5.625	5.724	5.889	5.976	6.175	6.279	5.735	5.432	5.233	4.422
85.0	2.542	2.500	2.793	2.893	2.842	2.928	2.844	2.852	2.599	2.469
87.5	0.221	0.238	0.357	0.392	0.422	0.500	0.612	0.653	0.604	0.659
90.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
92.5	0.000	0.000	0.000	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	0.000	0.000	0.000
97.5	0.000	0.000	0.000	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	0.000	0.000	0.000
102.5	0.000	0.000	0.000	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	0.000	0.000	0.000
107.5	0.000	0.000	0.000	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	0.000	0.000	0.000
112.5	0.000	0.000	0.000	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	0.000	0.000	0.000
117.5	0.000	0.000	0.000	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	0.000	0.000	0.000
122.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.000
125.0	0.000	0.000	0.000	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	0.001	0.000	0.000
130.0	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.004	0.004	0.003	0.001	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BL726LEDSAASYWT40120-277V_P.IES

CANDELA TABULATION - (Cont.)

135.0	0.002	0.014	0.047	0.017	0.000	0.010	0.000	0.000	0.000	0.000
137.5	0.000	0.006	0.047	0.004	0.001	0.022	0.004	0.000	0.001	0.000
140.0	0.000	0.000	0.014	0.000	0.010	0.037	0.004	0.002	0.001	0.000
142.5	0.000	0.000	0.000	0.000	0.000	0.024	0.006	0.000	0.000	0.000
145.0	0.000	0.001	0.000	0.000	0.006	0.000	0.000	0.000	0.001	0.000
147.5	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001
150.0	0.000	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000
152.5	0.000	0.001	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.000
155.0	0.001	0.000	0.000	0.001	0.001	0.000	0.000	0.000	0.002	0.000
157.5	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	0.000	0.000
160.0	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001
162.5	0.000	0.000	0.001	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	0.007	0.000	0.000	0.009	0.000
167.5	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.007	0.000
170.0	0.000	0.000	0.000	0.002	0.000	0.001	0.009	0.000	0.000	0.000
172.5	0.000	0.000	0.000	0.002	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	0.004
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>100</u>	<u>110</u>	<u>120</u>	<u>130</u>	<u>140</u>	<u>150</u>	<u>160</u>	<u>170</u>	<u>180</u>
0.0	405.903	405.903	405.903	405.903	405.903	405.903	405.903	405.903	405.903
2.5	395.584	375.895	374.248	366.190	359.159	354.875	349.008	350.272	356.775
5.0	378.630	361.469	338.933	339.827	328.851	317.400	316.098	302.657	305.751
7.5	366.887	350.293	329.262	310.519	295.151	284.891	274.409	272.845	268.549
10.0	367.821	334.678	310.136	286.472	269.919	251.044	243.885	236.396	233.884
12.5	361.612	330.845	292.372	263.001	238.975	218.577	208.179	198.698	198.960
15.0	358.259	315.291	273.494	240.713	213.591	193.118	179.363	167.614	168.969
17.5	355.840	303.602	254.964	218.067	190.044	169.750	156.090	148.219	148.126
20.0	344.965	289.175	237.541	196.036	167.501	148.340	134.024	127.974	127.417
22.5	332.635	270.387	215.156	175.437	149.656	130.284	121.849	118.023	114.108
25.0	320.625	252.644	196.962	157.802	134.349	119.509	114.266	111.233	108.773
27.5	307.623	233.374	176.228	141.898	121.951	114.801	110.714	107.088	108.705
30.0	294.270	213.913	159.933	130.580	114.810	111.810	107.701	108.697	105.853
32.5	274.903	194.575	146.724	122.411	113.507	109.268	108.672	108.245	107.537
35.0	258.515	181.001	134.300	116.602	109.991	109.657	109.528	110.342	108.692
37.5	240.129	163.598	124.388	111.287	108.122	110.014	110.121	110.233	107.989
40.0	216.844	146.622	115.151	104.428	105.423	106.170	106.460	106.209	106.378
42.5	195.473	130.878	104.079	99.601	101.659	102.336	103.640	101.508	101.039
45.0	171.544	115.330	95.549	94.114	94.569	96.653	96.449	93.527	94.418
47.5	148.709	102.170	86.533	86.538	88.076	88.272	86.576	85.482	83.895
50.0	129.959	89.527	77.643	78.167	78.730	77.586	76.922	75.098	74.243
52.5	108.822	76.663	68.368	67.361	68.571	67.488	64.537	63.210	62.065
55.0	90.593	64.965	57.573	57.906	57.849	55.812	54.291	51.764	51.656
57.5	72.359	53.342	48.248	48.164	47.325	45.105	43.264	41.813	40.652
60.0	57.495	44.338	39.554	39.280	37.669	36.700	34.774	32.971	32.144
62.5	44.784	35.229	31.992	30.645	30.007	28.456	27.441	26.286	25.761
65.0	34.776	27.898	25.572	24.022	24.056	22.126	21.494	20.444	19.808
67.5	26.723	22.118	19.981	18.578	18.177	17.497	16.158	15.524	15.933
70.0	19.994	17.379	15.642	15.106	13.352	13.361	12.350	12.266	12.264
72.5	15.250	13.311	12.102	11.597	10.900	10.162	9.575	9.496	9.266
75.0	11.627	9.964	9.056	8.745	8.337	8.071	7.721	7.405	7.437
77.5	8.551	7.703	7.090	6.579	6.603	6.388	6.105	6.030	5.805
80.0	6.316	5.762	5.301	5.309	5.084	5.096	5.199	4.961	5.177

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BL726LEDSAASYWT40120-277V_P.IES

CANDELA TABULATION - (Cont.)

82.5	4.231	4.087	3.953	4.036	3.875	3.820	3.861	3.867	3.848
85.0	2.535	2.411	2.312	2.434	2.529	2.498	2.666	2.683	2.718
87.5	0.546	0.586	0.596	0.724	0.787	0.755	0.856	0.908	0.882
90.0	0.000	0.000	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	0.000	0.000
95.0	0.000	0.000	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	0.000	0.000
100.0	0.000	0.000	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	0.000	0.000
105.0	0.000	0.000	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	0.000	0.000
110.0	0.000	0.000	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	0.000	0.000
115.0	0.000	0.000	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	0.000	0.000
120.0	0.000	0.000	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	0.000	0.000
125.0	0.000	0.000	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	0.000	0.002
130.0	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
132.5	0.000	0.000	0.000	0.000	0.001	0.001	0.000	0.000	0.001
135.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
137.5	0.002	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.002
140.0	0.000	0.001	0.000	0.001	0.000	0.001	0.001	0.000	0.000
142.5	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.001	0.000
145.0	0.000	0.001	0.000	0.000	0.001	0.000	0.000	0.000	0.002
147.5	0.000	0.000	0.000	0.000	0.001	0.000	0.000	0.000	0.000
150.0	0.000	0.000	0.000	0.001	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	0.002
155.0	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
157.5	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
160.0	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
162.5	0.000	0.001	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
167.5	0.000	0.001	0.000	0.000	0.000	0.001	0.000	0.002	0.000
170.0	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
175.0	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
180.0	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

IES INDOOR REPORT
PHOTOMETRIC FILENAME : BL726LEDSAASYWT40120-277V_P.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	151.93	N.A.	13.60
0-30	353.79	N.A.	31.60
0-40	627.56	N.A.	56.00
0-60	1041.98	N.A.	93.10
0-80	1116.46	N.A.	99.70
0-90	1119.67	N.A.	100.00
10-90	1082.72	N.A.	96.70
20-40	475.63	N.A.	42.50
20-50	736.20	N.A.	65.80
40-70	471.94	N.A.	42.10
60-80	74.47	N.A.	6.70
70-80	16.96	N.A.	1.50
80-90	3.21	N.A.	0.30
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	1119.68	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	36.95
10-20	114.98
20-30	201.86
30-40	273.77
40-50	260.57
50-60	153.85
60-70	57.52
70-80	16.96
80-90	3.21
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

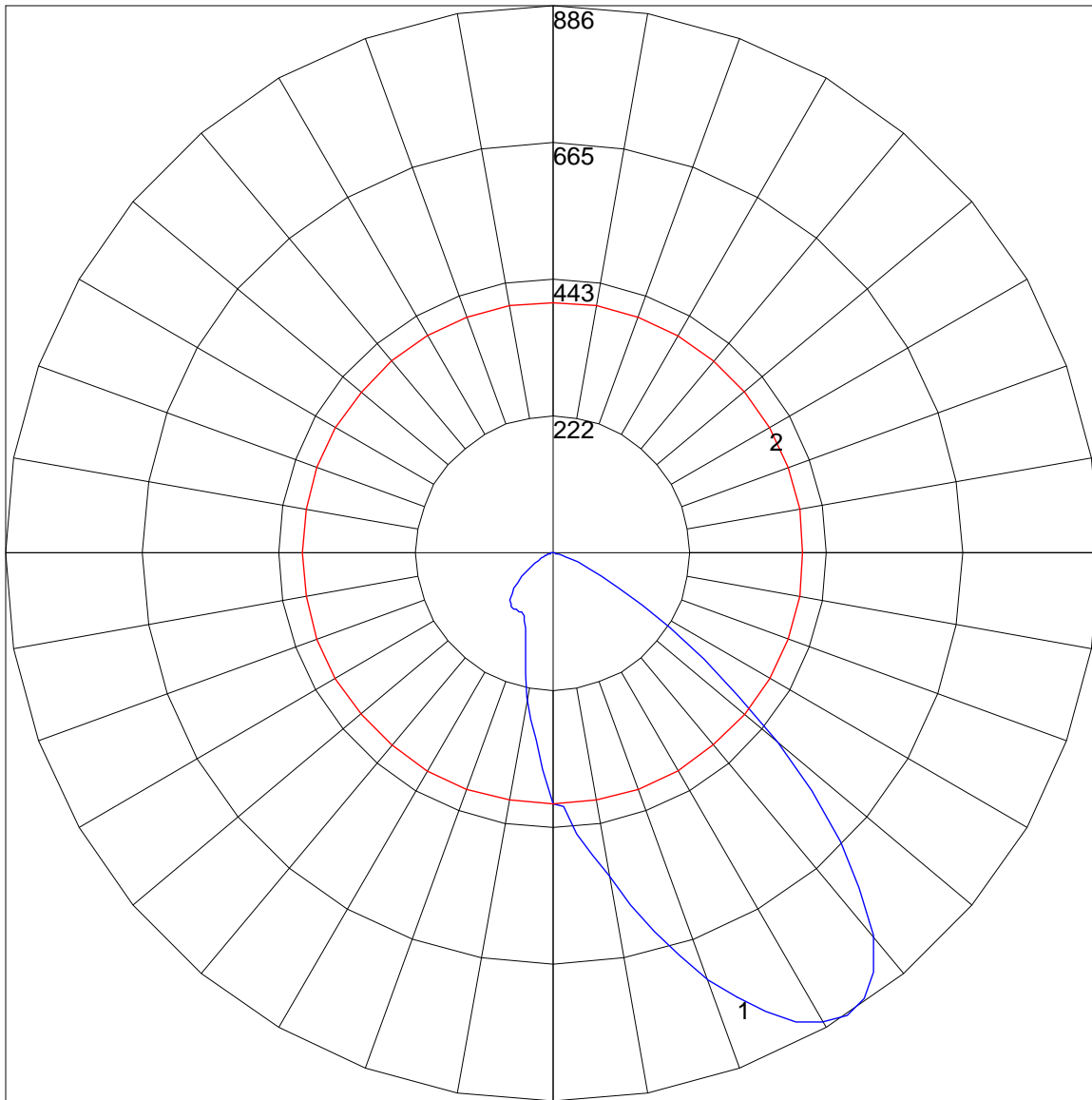
IES INDOOR REPORT
 PHOTOMETRIC FILENAME : BL726LEDSAASYWT40120-277V_P.IES

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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	80	84	81	79	77
3	95	85	78	73	92	84	77	72	81	75	71	78	74	70	76	72	69	67
4	87	77	69	63	85	75	68	62	73	67	62	71	65	61	69	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51
6	74	62	54	48	73	61	54	48	60	53	48	58	52	47	56	51	47	45
7	69	56	48	43	67	56	48	42	54	47	42	53	47	42	52	46	42	40
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32
10	56	43	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29

POLAR GRAPH



Maximum Candela = 886.387 Located At Horizontal Angle = 10, Vertical Angle = 32.5
1 - Vertical Plane Through Horizontal Angles (10 - 190) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0)