

# Day-Brite



by Signify

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : V3W470L840-UNV-DIM-LFA.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] FO38431.PSO  
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY  
[ISSUE DATE] 9/20/17  
[MANUFAC] SIGNIFY DAY-BRITE  
[LUMCAT] V3W470L840-UNV-DIM-LFA  
[LUMINAIRE] 4' VAPORLUME  
[MORE] 2-LINEP 2.40L6 4000K BOARDS 54W DRIVER @1376mA LUMIEO LOW PROFILE FROSTED LENS  
[LAMP] LED. LUMINAIRE OUTPUT = 6074 LUMENS  
[TESTDATE] 9/20/17  
[\_LM79] Absolute Photometry tested in accordance with IES procedure LM79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6074
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	49.7
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.24
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.88 ft
Luminous Width (90-270)	0.44 ft
Luminous Height	0.15 ft



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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10881	9331	9063
55	10291	8384	8202
65	9350	7261	7177
75	7106	5345	5640
85	3835	3484	3903

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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>	1966.7	1966.7	1966.7	1966.7	1966.7	1966.7	1966.7	1966.7	1966.7	1966.7
<b>2.5</b>	1932.0	1953.9	1968.5	1980.3	1978.1	1980.3	1968.5	1953.9	1932.0	1953.9
<b>5.0</b>	1925.0	1947.1	1961.8	1975.2	1971.8	1975.2	1961.8	1947.1	1925.0	1947.1
<b>7.5</b>	1913.4	1935.3	1951.2	1964.7	1962.4	1964.7	1951.2	1935.3	1913.4	1935.3
<b>10.0</b>	1897.6	1919.2	1936.0	1949.7	1950.3	1949.7	1936.0	1919.2	1897.6	1919.2
<b>12.5</b>	1876.8	1898.6	1917.0	1931.9	1931.5	1931.9	1917.0	1898.6	1876.8	1898.6
<b>15.0</b>	1851.9	1873.6	1892.7	1909.4	1908.6	1909.4	1892.7	1873.6	1851.9	1873.6
<b>17.5</b>	1822.8	1844.0	1864.5	1881.8	1881.9	1881.8	1864.5	1844.0	1822.8	1844.0
<b>20.0</b>	1789.8	1810.9	1832.1	1850.9	1850.8	1850.9	1832.1	1810.9	1789.8	1810.9
<b>22.5</b>	1752.3	1774.3	1795.8	1814.0	1815.7	1814.0	1795.8	1774.3	1752.3	1774.3
<b>25.0</b>	1711.2	1733.7	1755.7	1774.8	1777.4	1774.8	1755.7	1733.7	1711.2	1733.7
<b>27.5</b>	1667.3	1689.5	1711.8	1731.4	1733.9	1731.4	1711.8	1689.5	1667.3	1689.5
<b>30.0</b>	1618.8	1642.3	1666.3	1686.9	1686.7	1686.9	1666.3	1642.3	1618.8	1642.3
<b>32.5</b>	1567.5	1591.5	1618.5	1638.7	1641.9	1638.7	1618.5	1591.5	1567.5	1591.5
<b>35.0</b>	1513.2	1538.0	1566.4	1587.5	1591.5	1587.5	1566.4	1538.0	1513.2	1538.0
<b>37.5</b>	1456.3	1481.8	1510.4	1533.5	1536.9	1533.5	1510.4	1481.8	1456.3	1481.8
<b>40.0</b>	1396.5	1421.7	1452.5	1476.2	1481.1	1476.2	1452.5	1421.7	1396.5	1421.7
<b>42.5</b>	1334.0	1358.8	1392.1	1417.0	1423.4	1417.0	1392.1	1358.8	1334.0	1358.8
<b>45.0</b>	1268.7	1294.0	1328.6	1355.5	1364.2	1355.5	1328.6	1294.0	1268.7	1294.0
<b>47.5</b>	1201.9	1227.0	1263.8	1292.6	1302.6	1292.6	1263.8	1227.0	1201.9	1227.0
<b>50.0</b>	1133.3	1157.6	1195.9	1228.6	1239.8	1228.6	1195.9	1157.6	1133.3	1157.6
<b>52.5</b>	1062.4	1086.0	1126.7	1163.4	1176.2	1163.4	1126.7	1086.0	1062.4	1086.0
<b>55.0</b>	988.8	1013.4	1056.1	1096.7	1110.4	1096.7	1056.1	1013.4	988.8	1013.4
<b>57.5</b>	913.0	939.2	984.8	1028.7	1042.7	1028.7	984.8	939.2	913.0	939.2
<b>60.0</b>	835.9	863.8	913.1	959.4	974.7	959.4	913.1	863.8	835.9	863.8
<b>62.5</b>	758.0	786.6	841.0	888.9	905.8	888.9	841.0	786.6	758.0	786.6
<b>65.0</b>	679.3	708.8	767.6	816.4	833.5	816.4	767.6	708.8	679.3	708.8
<b>67.5</b>	599.2	630.5	693.6	742.8	760.4	742.8	693.6	630.5	599.2	630.5
<b>70.0</b>	485.1	517.7	618.5	670.1	687.8	670.1	618.5	517.7	485.1	517.7
<b>72.5</b>	409.0	446.1	521.7	579.4	597.2	579.4	521.7	446.1	409.0	446.1
<b>75.0</b>	334.1	375.3	439.6	501.7	526.6	501.7	439.6	375.3	334.1	375.3
<b>77.5</b>	262.1	306.6	372.2	423.7	440.2	423.7	372.2	306.6	262.1	306.6
<b>80.0</b>	194.0	241.4	308.0	359.2	375.8	359.2	308.0	241.4	194.0	241.4
<b>82.5</b>	130.8	180.8	248.5	299.1	316.6	299.1	248.5	180.8	130.8	180.8
<b>85.0</b>	76.5	127.9	196.1	246.3	264.4	246.3	196.1	127.9	76.5	127.9
<b>87.5</b>	37.1	86.8	153.9	205.0	223.7	205.0	153.9	86.8	37.1	86.8
<b>90.0</b>	19.7	62.4	127.5	178.2	196.6	178.2	127.5	62.4	19.7	62.4
<b>92.5</b>	15.5	49.1	111.4	160.8	178.7	160.8	111.4	49.1	15.5	49.1
<b>95.0</b>	12.2	37.5	97.1	145.6	163.3	145.6	97.1	37.5	12.2	37.5
<b>97.5</b>	9.5	27.6	83.6	130.9	147.9	130.9	83.6	27.6	9.5	27.6
<b>100.0</b>	7.4	19.2	71.0	116.5	132.7	116.5	71.0	19.2	7.4	19.2
<b>102.5</b>	5.8	12.7	59.1	102.6	117.9	102.6	59.1	12.7	5.8	12.7
<b>105.0</b>	4.7	8.0	48.2	89.2	103.6	89.2	48.2	8.0	4.7	8.0
<b>107.5</b>	3.7	4.9	38.1	76.2	89.9	76.2	38.1	4.9	3.7	4.9
<b>110.0</b>	2.8	3.3	28.8	63.5	76.4	63.5	28.8	3.3	2.8	3.3
<b>112.5</b>	2.0	2.4	20.6	51.4	63.2	51.4	20.6	2.4	2.0	2.4
<b>115.0</b>	1.3	1.6	13.6	40.0	50.8	40.0	13.6	1.6	1.3	1.6
<b>117.5</b>	0.6	0.9	7.7	29.7	39.4	29.7	7.7	0.9	0.6	0.9
<b>120.0</b>	0.0	0.2	3.3	20.8	28.9	20.8	3.3	0.2	0.0	0.2
<b>122.5</b>	0.0	0.0	0.5	13.0	20.0	13.0	0.5	0.0	0.0	0.0
<b>125.0</b>	0.0	0.0	0.0	6.9	12.4	6.9	0.0	0.0	0.0	0.0
<b>127.5</b>	0.0	0.0	0.0	2.5	6.5	2.5	0.0	0.0	0.0	0.0
<b>130.0</b>	0.0	0.0	0.0	0.1	2.4	0.1	0.0	0.0	0.0	0.0
<b>132.5</b>	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0

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**CANDELA TABULATION - (Cont.)**

135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

**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	1966.7	1966.7	1966.7	1966.7	1966.7	1966.7	1966.7
2.5	1968.5	1980.3	1978.1	1980.3	1968.5	1953.9	1932.0
5.0	1961.8	1975.2	1971.8	1975.2	1961.8	1947.1	1925.0
7.5	1951.2	1964.7	1962.4	1964.7	1951.2	1935.3	1913.4
10.0	1936.0	1949.7	1950.3	1949.7	1936.0	1919.2	1897.6
12.5	1917.0	1931.9	1931.5	1931.9	1917.0	1898.6	1876.8
15.0	1892.7	1909.4	1908.6	1909.4	1892.7	1873.6	1851.9
17.5	1864.5	1881.8	1881.9	1881.8	1864.5	1844.0	1822.8
20.0	1832.1	1850.9	1850.8	1850.9	1832.1	1810.9	1789.8
22.5	1795.8	1814.0	1815.7	1814.0	1795.8	1774.3	1752.3
25.0	1755.7	1774.8	1777.4	1774.8	1755.7	1733.7	1711.2
27.5	1711.8	1731.4	1733.9	1731.4	1711.8	1689.5	1667.3
30.0	1666.3	1686.9	1686.7	1686.9	1666.3	1642.3	1618.8
32.5	1618.5	1638.7	1641.9	1638.7	1618.5	1591.5	1567.5
35.0	1566.4	1587.5	1591.5	1587.5	1566.4	1538.0	1513.2
37.5	1510.4	1533.5	1536.9	1533.5	1510.4	1481.8	1456.3
40.0	1452.5	1476.2	1481.1	1476.2	1452.5	1421.7	1396.5
42.5	1392.1	1417.0	1423.4	1417.0	1392.1	1358.8	1334.0
45.0	1328.6	1355.5	1364.2	1355.5	1328.6	1294.0	1268.7
47.5	1263.8	1292.6	1302.6	1292.6	1263.8	1227.0	1201.9
50.0	1195.9	1228.6	1239.8	1228.6	1195.9	1157.6	1133.3
52.5	1126.7	1163.4	1176.2	1163.4	1126.7	1086.0	1062.4
55.0	1056.1	1096.7	1110.4	1096.7	1056.1	1013.4	988.8
57.5	984.8	1028.7	1042.7	1028.7	984.8	939.2	913.0
60.0	913.1	959.4	974.7	959.4	913.1	863.8	835.9
62.5	841.0	888.9	905.8	888.9	841.0	786.6	758.0
65.0	767.6	816.4	833.5	816.4	767.6	708.8	679.3
67.5	693.6	742.8	760.4	742.8	693.6	630.5	599.2
70.0	618.5	670.1	687.8	670.1	618.5	517.7	485.1
72.5	521.7	579.4	597.2	579.4	521.7	446.1	409.0
75.0	439.6	501.7	526.6	501.7	439.6	375.3	334.1
77.5	372.2	423.7	440.2	423.7	372.2	306.6	262.1
80.0	308.0	359.2	375.8	359.2	308.0	241.4	194.0

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**CANDELA TABULATION - (Cont.)**

82.5	248.5	299.1	316.6	299.1	248.5	180.8	130.8
85.0	196.1	246.3	264.4	246.3	196.1	127.9	76.5
87.5	153.9	205.0	223.7	205.0	153.9	86.8	37.1
90.0	127.5	178.2	196.6	178.2	127.5	62.4	19.7
92.5	111.4	160.8	178.7	160.8	111.4	49.1	15.5
95.0	97.1	145.6	163.3	145.6	97.1	37.5	12.2
97.5	83.6	130.9	147.9	130.9	83.6	27.6	9.5
100.0	71.0	116.5	132.7	116.5	71.0	19.2	7.4
102.5	59.1	102.6	117.9	102.6	59.1	12.7	5.8
105.0	48.2	89.2	103.6	89.2	48.2	8.0	4.7
107.5	38.1	76.2	89.9	76.2	38.1	4.9	3.7
110.0	28.8	63.5	76.4	63.5	28.8	3.3	2.8
112.5	20.6	51.4	63.2	51.4	20.6	2.4	2.0
115.0	13.6	40.0	50.8	40.0	13.6	1.6	1.3
117.5	7.7	29.7	39.4	29.7	7.7	0.9	0.6
120.0	3.3	20.8	28.9	20.8	3.3	0.2	0.0
122.5	0.5	13.0	20.0	13.0	0.5	0.0	0.0
125.0	0.0	6.9	12.4	6.9	0.0	0.0	0.0
127.5	0.0	2.5	6.5	2.5	0.0	0.0	0.0
130.0	0.0	0.1	2.4	0.1	0.0	0.0	0.0
132.5	0.0	0.0	0.1	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	719.13	N.A.	11.80
0-30	1526.63	N.A.	25.10
0-40	2503.15	N.A.	41.20
0-60	4466.68	N.A.	73.50
0-80	5683.81	N.A.	93.60
0-90	5895.22	N.A.	97.00
10-90	5709.13	N.A.	94.00
20-40	1784.02	N.A.	29.40
20-50	2805.32	N.A.	46.20
40-70	2716.07	N.A.	44.70
60-80	1217.13	N.A.	20.00
70-80	464.59	N.A.	7.60
80-90	211.41	N.A.	3.50
90-110	154.78	N.A.	2.50
90-120	175.63	N.A.	2.90
90-130	179.20	N.A.	3.00
90-150	179.24	N.A.	3.00
90-180	179.24	N.A.	3.00
110-180	24.46	N.A.	0.40
0-180	6074.46	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	186.09
10-20	533.04
20-30	807.50
30-40	976.52
40-50	1021.3
50-60	942.23
60-70	752.54
70-80	464.59
80-90	211.41
90-100	101.24
100-110	53.55
110-120	20.84
120-130	3.58
130-140	0.04
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

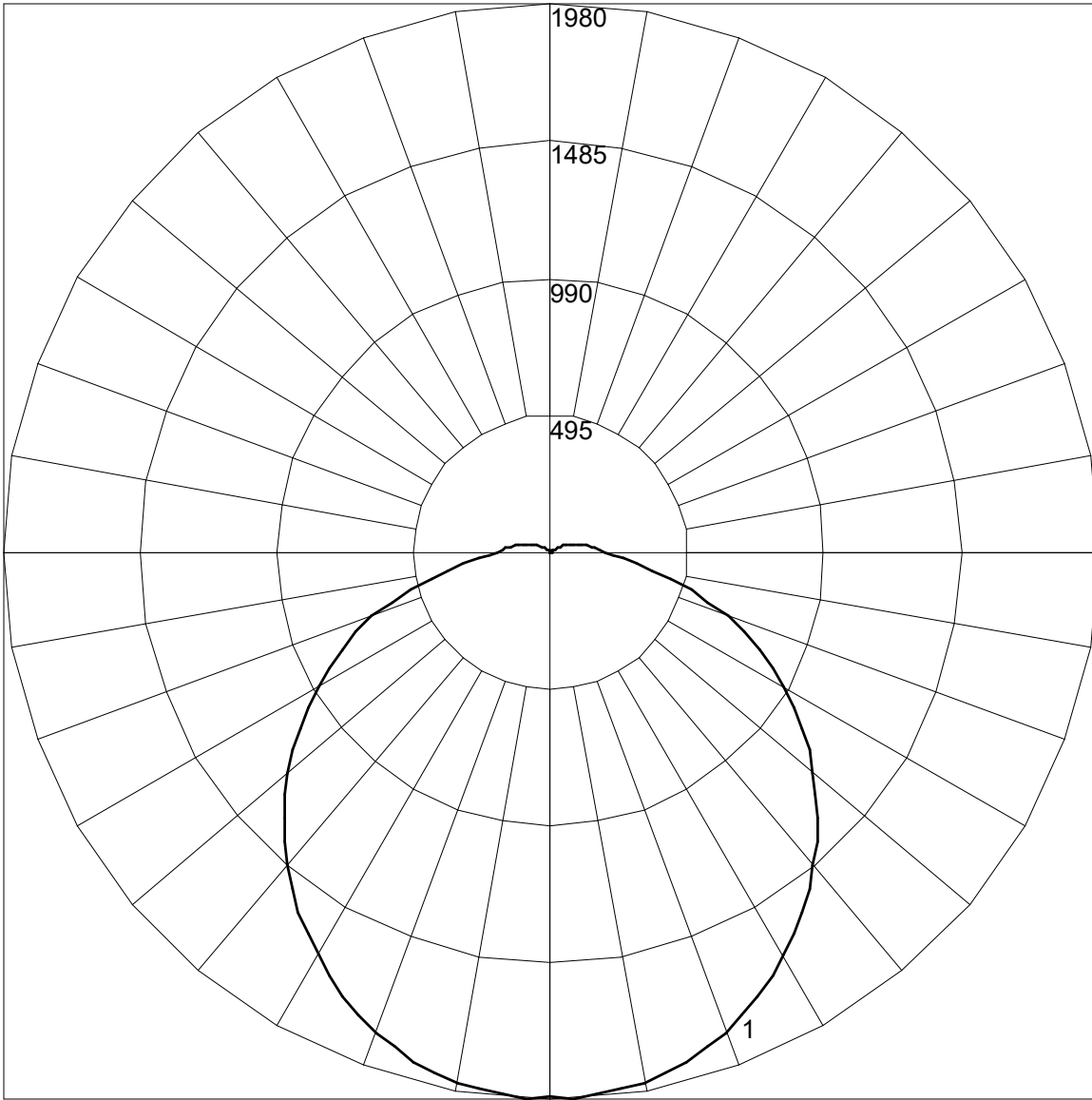
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**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

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	109	109	109	104	104	104	99	99	99	97	97
1	107	102	97	93	104	99	95	92	95	91	88	90	87	85	86	84	82	79	79
2	97	88	81	75	94	86	80	74	82	77	72	78	74	70	75	71	68	65	65
3	88	77	69	62	86	76	68	61	72	65	60	69	63	59	66	61	57	55	55
4	81	68	59	52	78	67	58	52	64	57	51	61	55	50	59	53	49	47	47
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	53	47	42	40	40
6	68	55	46	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	44	38	33	31	31
8	59	45	37	31	57	44	36	31	43	35	30	41	35	30	40	34	29	27	27
9	55	42	33	28	54	41	33	27	39	32	27	38	32	27	37	31	27	25	25
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	22	22

POLAR GRAPH



Maximum Candela = 1980.3 Located At Horizontal Angle = 67.5, Vertical Angle = 2.5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270)