

# Day-Brite



by Signify

## IES INDOOR REPORT PHOTOMETRIC FILENAME : RBX10L840-A22R.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] FO36850.PSO  
[TESTLAB] DAY-BRITE PHOTOMETRIC LABORATORY  
[ISSUE DATE] 7/28/16  
[MANUFAC] SIGNIFY DAY-BRITE - CFI  
[LUMCAT] RBX10L840-UNV-WT-A22R  
[LUMINAIRE] RBX 22"  
[MORE] ALUMINUM OPEN HIGHBAY 2-DSL3 2015 4000K BOARDS 95W DRIVER 3.92K RESISTOR  
[LAMP] LED. LUMINAIRE OUTPUT = 8921 LUMENS  
[TEST DATE] 7/28/16  
[\_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	8921
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	86.6
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.98
Spacing Criterion (90-270)	0.98
Spacing Criterion (Diagonal)	1.00
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	1.83 ft (Diameter)
Luminous Width (90-270)	1.83 ft (Diameter)
Luminous Height	1.17 ft



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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	3779	3779	3779
55	1108	1108	1108
65	575	575	575
75	262	262	262
85	64	64	64

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RBX10L840-A22R.IES**

**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>	7723.1	7723.1	7723.1	7723.1	7723.1	7723.1	7723.1	7723.1	7723.1	7723.1
<b>2.5</b>	7710.5	7710.5	7710.5	7710.5	7710.5	7710.5	7710.5	7710.5	7710.5	7710.5
<b>5.0</b>	7673.0	7673.0	7673.0	7673.0	7673.0	7673.0	7673.0	7673.0	7673.0	7673.0
<b>7.5</b>	7604.2	7604.2	7604.2	7604.2	7604.2	7604.2	7604.2	7604.2	7604.2	7604.2
<b>10.0</b>	7488.6	7488.6	7488.6	7488.6	7488.6	7488.6	7488.6	7488.6	7488.6	7488.6
<b>12.5</b>	7321.1	7321.1	7321.1	7321.1	7321.1	7321.1	7321.1	7321.1	7321.1	7321.1
<b>15.0</b>	7091.4	7091.4	7091.4	7091.4	7091.4	7091.4	7091.4	7091.4	7091.4	7091.4
<b>17.5</b>	6793.3	6793.3	6793.3	6793.3	6793.3	6793.3	6793.3	6793.3	6793.3	6793.3
<b>20.0</b>	6437.8	6437.8	6437.8	6437.8	6437.8	6437.8	6437.8	6437.8	6437.8	6437.8
<b>22.5</b>	6038.1	6038.1	6038.1	6038.1	6038.1	6038.1	6038.1	6038.1	6038.1	6038.1
<b>25.0</b>	5408.4	5408.4	5408.4	5408.4	5408.4	5408.4	5408.4	5408.4	5408.4	5408.4
<b>27.5</b>	4976.1	4976.1	4976.1	4976.1	4976.1	4976.1	4976.1	4976.1	4976.1	4976.1
<b>30.0</b>	4539.7	4539.7	4539.7	4539.7	4539.7	4539.7	4539.7	4539.7	4539.7	4539.7
<b>32.5</b>	4074.7	4074.7	4074.7	4074.7	4074.7	4074.7	4074.7	4074.7	4074.7	4074.7
<b>35.0</b>	3517.9	3517.9	3517.9	3517.9	3517.9	3517.9	3517.9	3517.9	3517.9	3517.9
<b>37.5</b>	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8
<b>40.0</b>	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4
<b>42.5</b>	1727.7	1727.7	1727.7	1727.7	1727.7	1727.7	1727.7	1727.7	1727.7	1727.7
<b>45.0</b>	1185.6	1185.6	1185.6	1185.6	1185.6	1185.6	1185.6	1185.6	1185.6	1185.6
<b>47.5</b>	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3	795.3
<b>50.0</b>	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0
<b>52.5</b>	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3	405.3
<b>55.0</b>	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2	336.2
<b>57.5</b>	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8	282.8
<b>60.0</b>	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9
<b>62.5</b>	197.4	197.4	197.4	197.4	197.4	197.4	197.4	197.4	197.4	197.4
<b>65.0</b>	163.1	163.1	163.1	163.1	163.1	163.1	163.1	163.1	163.1	163.1
<b>67.5</b>	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
<b>70.0</b>	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1	108.1
<b>72.5</b>	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
<b>75.0</b>	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
<b>77.5</b>	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
<b>80.0</b>	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
<b>82.5</b>	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
<b>85.0</b>	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
<b>87.5</b>	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
<b>90.0</b>	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
<b>92.5</b>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>95.0</b>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>97.5</b>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>100.0</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>102.5</b>	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
<b>105.0</b>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>107.5</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>110.0</b>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>112.5</b>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>115.0</b>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
<b>117.5</b>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>120.0</b>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>122.5</b>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
<b>125.0</b>	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
<b>127.5</b>	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
<b>130.0</b>	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
<b>132.5</b>	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RBX10L840-A22R.IES**

**CANDELA TABULATION - (Cont.)**

135.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
137.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
140.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
145.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
147.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
150.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
152.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
155.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.4
160.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
162.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
165.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
167.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
170.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7
172.5	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
175.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
177.5	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
180.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4

**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	7723.1	7723.1	7723.1	7723.1	7723.1	7723.1	7723.1
2.5	7710.5	7710.5	7710.5	7710.5	7710.5	7710.5	7710.5
5.0	7673.0	7673.0	7673.0	7673.0	7673.0	7673.0	7673.0
7.5	7604.2	7604.2	7604.2	7604.2	7604.2	7604.2	7604.2
10.0	7488.6	7488.6	7488.6	7488.6	7488.6	7488.6	7488.6
12.5	7321.1	7321.1	7321.1	7321.1	7321.1	7321.1	7321.1
15.0	7091.4	7091.4	7091.4	7091.4	7091.4	7091.4	7091.4
17.5	6793.3	6793.3	6793.3	6793.3	6793.3	6793.3	6793.3
20.0	6437.8	6437.8	6437.8	6437.8	6437.8	6437.8	6437.8
22.5	6038.1	6038.1	6038.1	6038.1	6038.1	6038.1	6038.1
25.0	5408.4	5408.4	5408.4	5408.4	5408.4	5408.4	5408.4
27.5	4976.1	4976.1	4976.1	4976.1	4976.1	4976.1	4976.1
30.0	4539.7	4539.7	4539.7	4539.7	4539.7	4539.7	4539.7
32.5	4074.7	4074.7	4074.7	4074.7	4074.7	4074.7	4074.7
35.0	3517.9	3517.9	3517.9	3517.9	3517.9	3517.9	3517.9
37.5	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8
40.0	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4	2275.4
42.5	1727.7	1727.7	1727.7	1727.7	1727.7	1727.7	1727.7
45.0	1185.6	1185.6	1185.6	1185.6	1185.6	1185.6	1185.6
47.5	795.3	795.3	795.3	795.3	795.3	795.3	795.3
50.0	554.0	554.0	554.0	554.0	554.0	554.0	554.0
52.5	405.3	405.3	405.3	405.3	405.3	405.3	405.3
55.0	336.2	336.2	336.2	336.2	336.2	336.2	336.2
57.5	282.8	282.8	282.8	282.8	282.8	282.8	282.8
60.0	236.9	236.9	236.9	236.9	236.9	236.9	236.9
62.5	197.4	197.4	197.4	197.4	197.4	197.4	197.4
65.0	163.1	163.1	163.1	163.1	163.1	163.1	163.1
67.5	133.5	133.5	133.5	133.5	133.5	133.5	133.5
70.0	108.1	108.1	108.1	108.1	108.1	108.1	108.1
72.5	86.1	86.1	86.1	86.1	86.1	86.1	86.1
75.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1
77.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6
80.0	36.3	36.3	36.3	36.3	36.3	36.3	36.3

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RBX10L840-A22R.IES**

**CANDELA TABULATION - (Cont.)**

82.5	24.2	24.2	24.2	24.2	24.2	24.2	24.2
85.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
87.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0
90.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
92.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
97.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6
105.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
107.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
112.5	0.1	0.1	0.1	0.1	0.1	0.1	0.1
115.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
117.5	0.2	0.2	0.2	0.2	0.2	0.2	0.2
120.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2
122.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
125.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
127.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0
130.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
132.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6
135.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
137.5	2.4	2.4	2.4	2.4	2.4	2.4	2.4
140.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5	3.2	3.2	3.2	3.2	3.2	3.2	3.2
145.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6
147.5	4.0	4.0	4.0	4.0	4.0	4.0	4.0
150.0	4.3	4.3	4.3	4.3	4.3	4.3	4.3
152.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8
155.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
157.5	5.4	5.4	5.4	5.4	5.4	5.4	5.4
160.0	5.7	5.7	5.7	5.7	5.7	5.7	5.7
162.5	6.0	6.0	6.0	6.0	6.0	6.0	6.0
165.0	6.3	6.3	6.3	6.3	6.3	6.3	6.3
167.5	6.6	6.6	6.6	6.6	6.6	6.6	6.6
170.0	6.7	6.7	6.7	6.7	6.7	6.7	6.7
172.5	6.9	6.9	6.9	6.9	6.9	6.9	6.9
175.0	7.2	7.2	7.2	7.2	7.2	7.2	7.2
177.5	7.3	7.3	7.3	7.3	7.3	7.3	7.3
180.0	7.4	7.4	7.4	7.4	7.4	7.4	7.4

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RBX10L840-A22R.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	2707.78	N.A.	30.40
0-30	5216.34	N.A.	58.50
0-40	7368.21	N.A.	82.60
0-60	8657.25	N.A.	97.00
0-80	8894.55	N.A.	99.70
0-90	8911.7	N.A.	99.90
10-90	8184.98	N.A.	91.70
20-40	4660.42	N.A.	52.20
20-50	5633.52	N.A.	63.10
40-70	1453.63	N.A.	16.30
60-80	237.30	N.A.	2.70
70-80	72.72	N.A.	0.80
80-90	17.15	N.A.	0.20
90-110	0.47	N.A.	0.00
90-120	0.61	N.A.	0.00
90-130	1.24	N.A.	0.00
90-150	5.02	N.A.	0.10
90-180	9.77	N.A.	0.10
110-180	9.29	N.A.	0.10
0-180	8921.47	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	726.72
10-20	1981.06
20-30	2508.56
30-40	2151.86
40-50	973.09
50-60	315.95
60-70	164.58
70-80	72.72
80-90	17.15
90-100	0.27
100-110	0.20
110-120	0.14
120-130	0.63
130-140	1.54
140-150	2.23
150-160	2.32
160-170	1.76
170-180	0.67

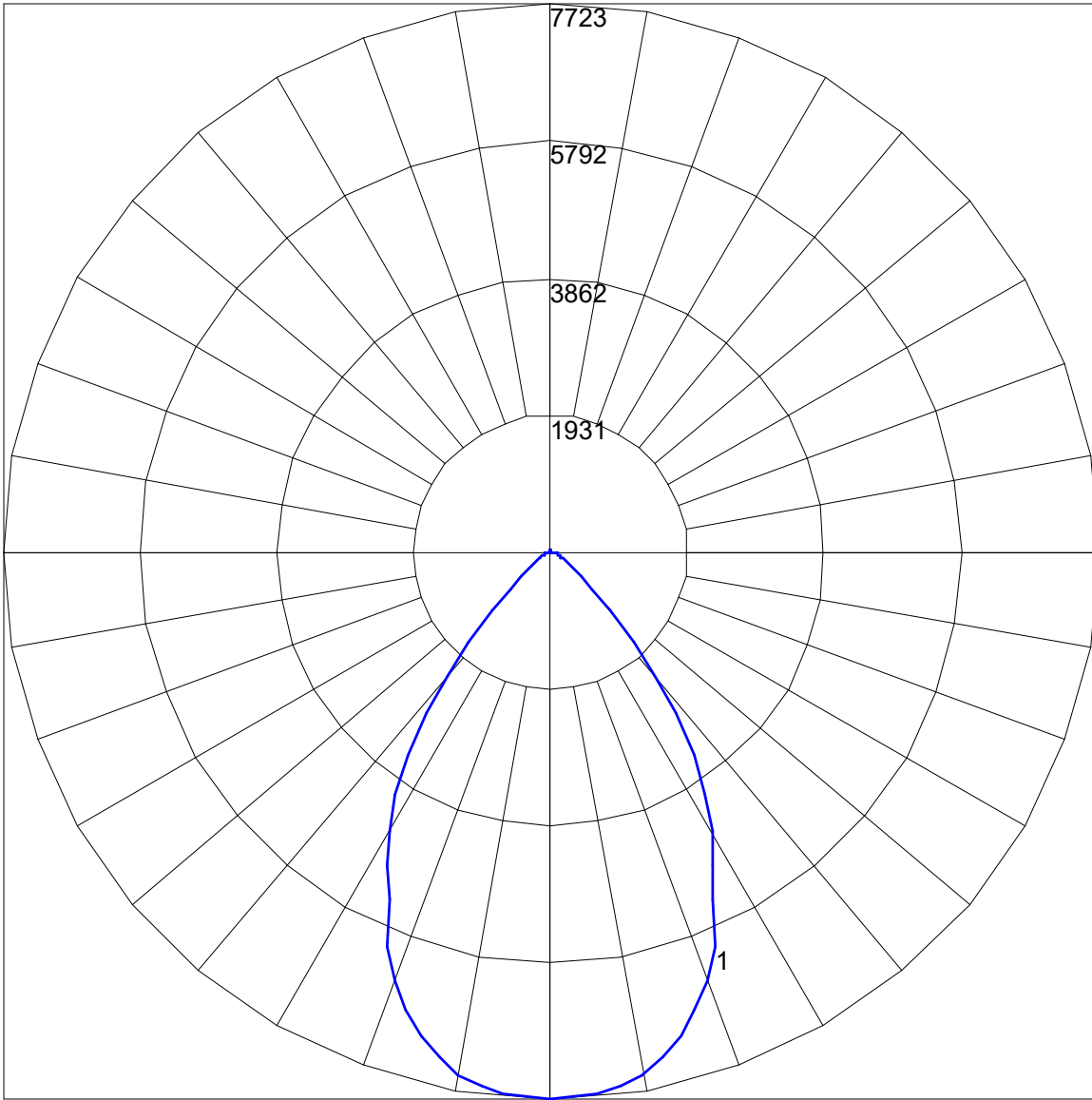
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : RBX10L840-A22R.IES**

**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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	85	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70
5	89	79	73	68	87	78	72	68	77	71	67	75	70	67	73	69	66	64
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55
8	75	64	58	53	73	64	57	53	63	57	53	61	56	53	60	56	52	51
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	45	44

POLAR GRAPH



Maximum Candela = 7723.1 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)