

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P320010

Luminaire Tested: **GAN-SA6C-740-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320010  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6C-740-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40198 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

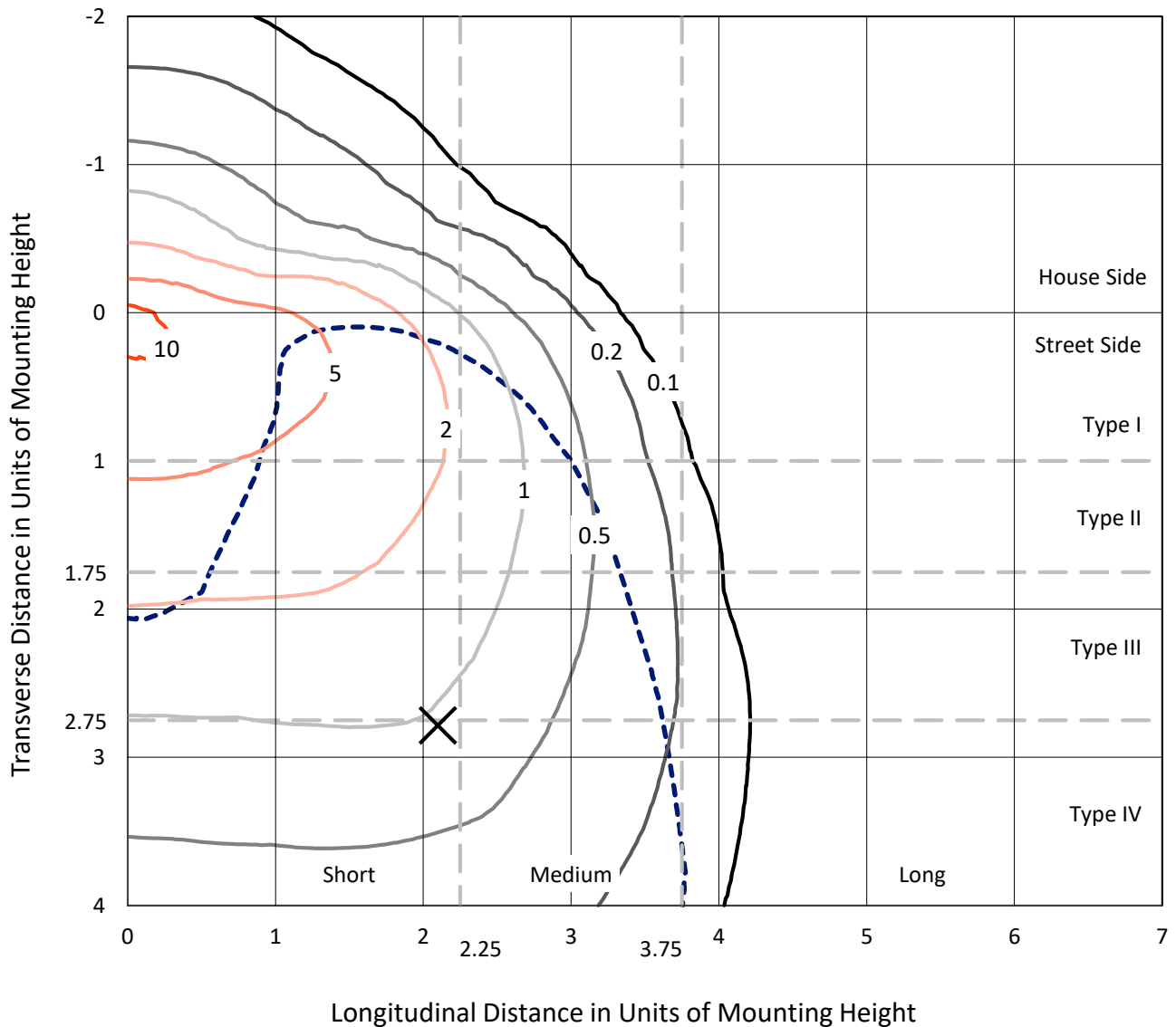
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

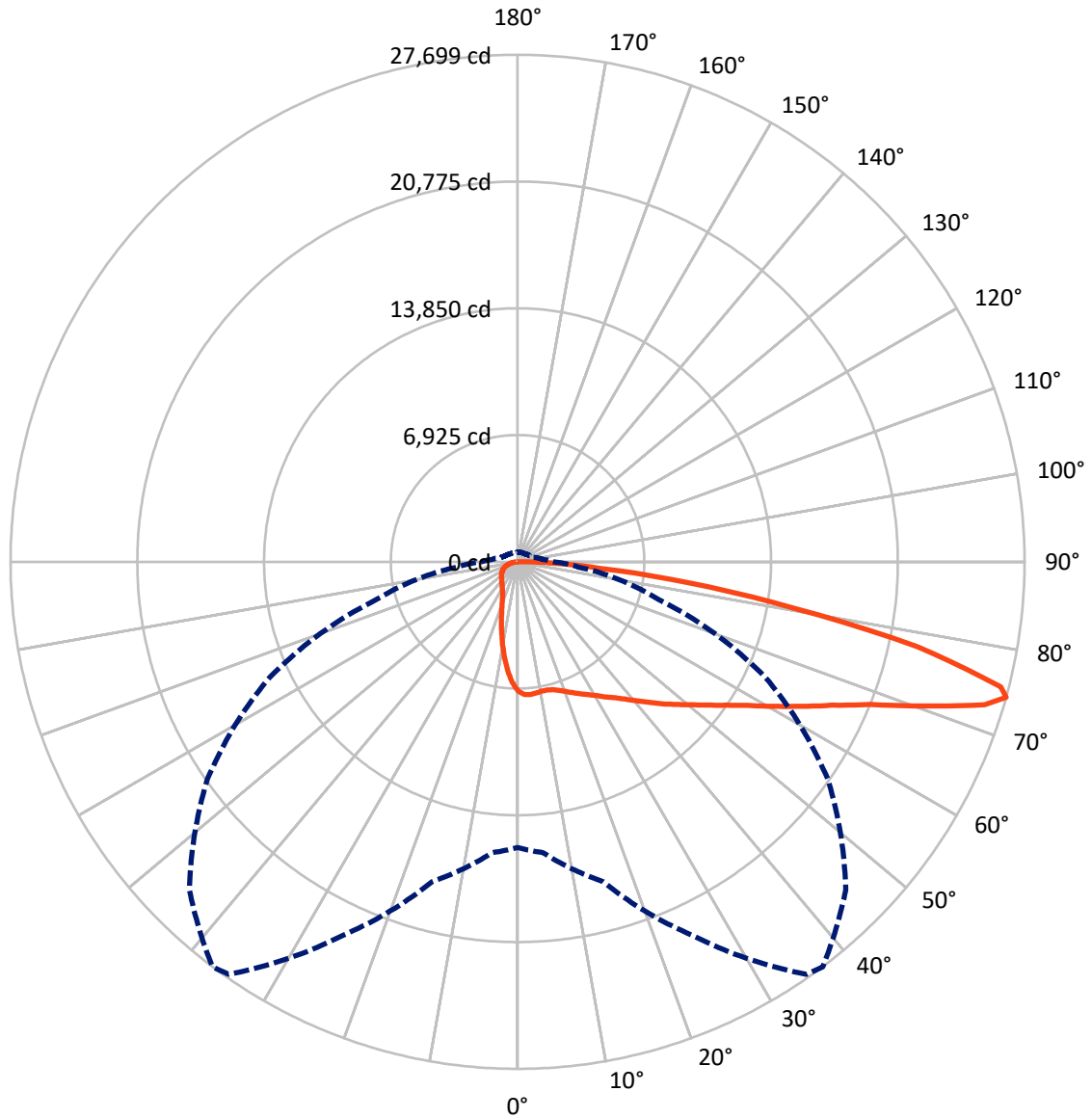
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical



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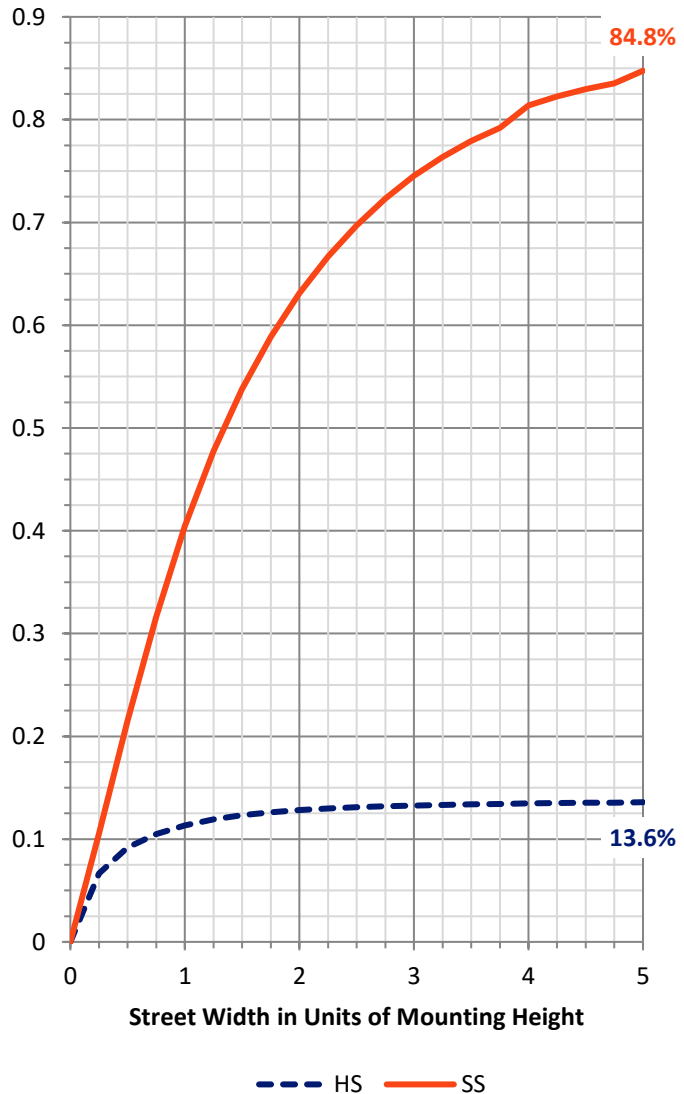
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5531.0	0.0	5531.0
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	34667.0	0.0	34667.0
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	40198.0	0.0	40198.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	623.7	1.6
10°-20°	1598.7	4.0
20°-30°	2463.4	6.1
30°-40°	3582.1	8.9
40°-50°	5272.2	13.1
50°-60°	7403.9	18.4
60°-70°	9371.0	23.3
70°-80°	8251.5	20.5
80°-90°	1631.5	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	40198.0	100.0
0°-180°	40198.0	100.0

**Coefficient of Utilization**



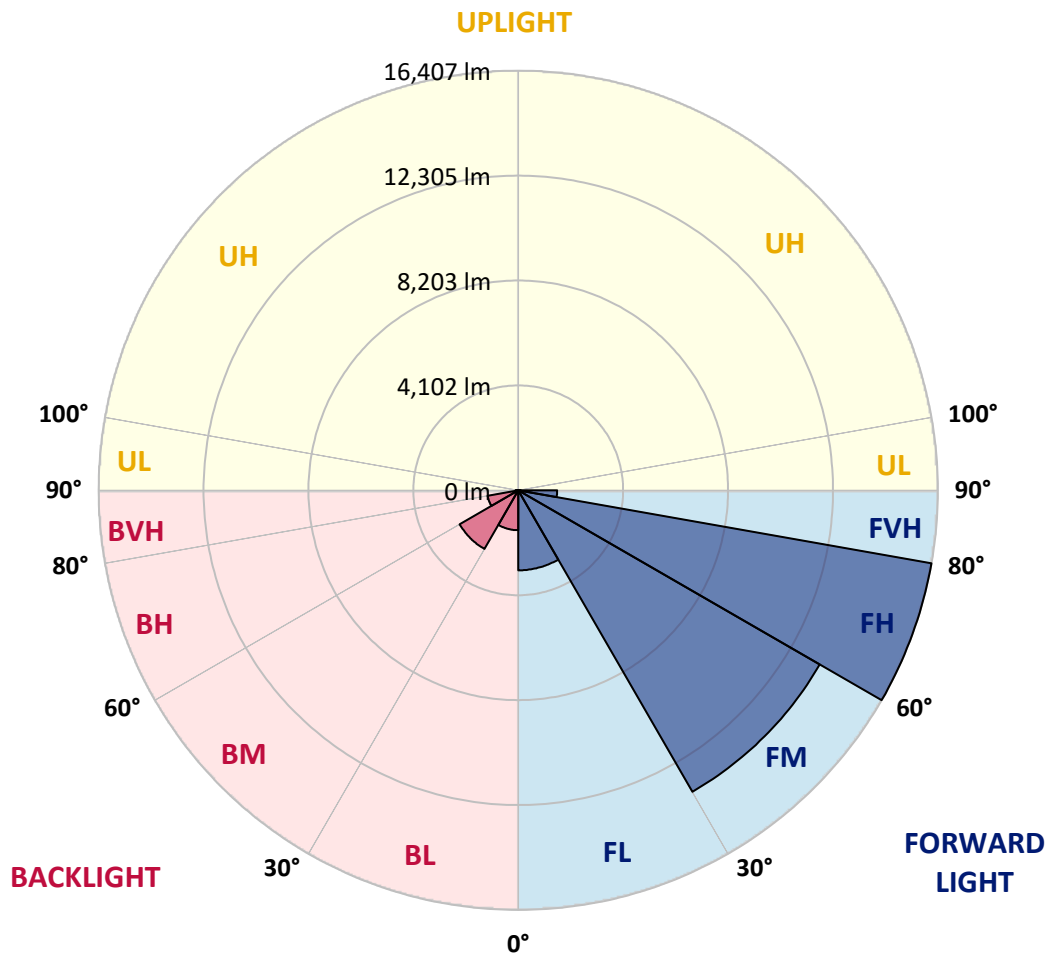
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3127.9	7.8			
FM (30°-60°)	13611.4	33.9			
FH (60°-80°)	16406.8	40.8			G5
FVH (80°-90°)	1521.0	3.8			G5
BL (0°-30°)	1557.9	3.9	B3/2500		
BM (30°-60°)	2646.8	6.6	B3/5000		
BH (60°-80°)	1215.8	3.0	B3/2500		G3/2500
BVH (80°-90°)	110.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7
2.5°	7324.9	7326.3	7324.9	7313.5	7286.6	7264.0	7245.6	7218.7	7159.2	7113.9	7045.9
5°	7394.2	7385.8	7380.1	7358.8	7316.4	7290.9	7255.5	7204.5	7106.8	7016.2	6905.7
7.5°	7361.7	7351.8	7339.0	7313.5	7265.4	7244.2	7194.6	7128.0	7010.5	6891.6	6733.0
10°	7261.1	7258.3	7252.6	7247.0	7205.9	7188.9	7143.6	7072.8	6956.7	6812.3	6626.8
12.5°	7149.3	7156.4	7179.0	7208.8	7190.3	7181.9	7153.5	7105.4	6986.4	6830.7	6607.0
15°	7078.5	7098.3	7159.2	7237.1	7252.6	7249.8	7242.7	7211.6	7085.6	6912.8	6652.3
17.5°	7054.4	7087.0	7203.1	7331.9	7377.3	7387.2	7390.0	7336.2	7196.0	7013.3	6699.0
20°	7098.3	7139.4	7309.3	7486.3	7558.5	7564.2	7551.4	7458.0	7300.8	7099.7	6724.5
22.5°	7231.4	7268.2	7480.6	7680.3	7762.4	7770.9	7732.7	7591.1	7411.2	7201.7	6759.9
25°	7487.7	7533.0	7745.4	7945.1	7987.5	7989.0	7933.7	7758.2	7555.7	7344.7	6836.4
27.5°	7821.9	7867.2	8058.3	8253.7	8231.1	8218.3	8143.3	7967.7	7744.0	7541.5	6972.3
30°	8194.3	8243.8	8425.1	8563.8	8510.0	8484.6	8423.7	8197.1	8006.0	7810.5	7180.4
32.5°	8579.4	8624.7	8783.3	8878.2	8810.2	8798.9	8706.9	8500.1	8347.2	8221.2	7517.4
35°	8974.5	9007.0	9162.8	9216.6	9126.0	9123.2	9097.7	8907.9	8811.6	8871.1	8007.4
37.5°	9378.0	9386.5	9519.6	9522.5	9495.6	9506.9	9533.8	9414.9	9441.8	9627.2	8644.6
40°	9737.7	9760.3	9856.6	9886.4	9933.1	9972.7	10107.3	10029.4	10237.5	10566.0	9437.5
42.5°	10003.9	10047.8	10202.1	10278.6	10430.1	10492.4	10682.2	10754.4	11173.5	11666.3	10380.5
45°	10229.0	10297.0	10544.8	10702.0	10958.3	11067.3	11339.2	11581.3	12231.2	12859.9	11373.2
47.5°	10472.6	10559.0	10869.1	11169.2	11517.6	11640.8	12134.9	12497.4	13359.8	14060.7	12309.1
50°	10830.8	10897.4	11200.4	11671.9	12106.6	12265.2	12949.1	13468.8	14506.7	15204.8	13120.5
52.5°	11330.7	11305.2	11561.5	12222.7	12806.1	13001.5	13818.5	14502.5	15669.2	16239.9	13805.8
55°	11833.3	11790.9	11970.7	12799.0	13621.7	13827.0	14775.8	15540.4	16775.1	17171.6	14331.1
57.5°	12392.7	12311.9	12463.5	13449.0	14550.6	14795.6	15847.6	16643.4	17862.6	17924.9	14665.3
60°	12969.0	12859.9	13029.8	14254.7	15730.1	16019.0	17102.2	17719.6	18887.8	18528.1	14772.9
62.5°	13473.0	13396.6	13658.5	15153.8	17059.7	17376.9	18334.1	18863.7	19898.8	18778.7	14384.9
65°	13913.4	13926.2	14379.3	16164.8	18542.3	18880.7	19747.3	20274.0	20694.5	18630.0	13477.3
67.5°	14438.7	14511.0	15284.1	17495.8	20408.5	20779.5	21803.3	21811.8	21139.2	17757.8	11690.3
70°	15204.8	15353.5	16528.7	19342.3	23062.1	23571.8	24361.9	22715.2	20514.7	15393.1	9198.2
72.5°	15884.5	16162.0	17852.7	21454.9	26296.2	26682.7	25858.6	22194.1	17905.1	11536.0	5730.5
74°	15608.3	15952.4	18093.4	22495.7	27513.9	27699.4	25353.1	20673.3	14928.7	7989.0	3330.4
75°	15013.6	15387.5	17742.2	22485.8	27359.6	27256.2	24132.5	18935.9	12295.0	5448.7	2216.0
77.5°	12116.5	12511.6	14949.9	19271.5	22433.4	22335.7	18538.0	12702.8	5385.0	1787.0	1125.7
80°	7044.5	7346.1	9280.3	12238.3	15126.9	15303.9	12191.6	6285.5	2118.3	1003.9	763.2
82.5°	3129.3	3337.5	4483.0	6247.3	9128.8	9356.8	6384.7	3293.6	1308.4	610.3	458.8
85°	2053.2	2207.5	2721.5	2975.0	4347.1	4502.8	3125.1	2564.3	863.7	335.6	337.0
87.5°	1476.9	1625.5	2022.0	1765.7	1995.1	1888.9	1700.6	2373.2	346.9	191.2	113.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7	7082.7
2.5°	7016.2	6993.5	6942.5	6846.3	6792.5	6747.1	6672.1	6628.2	6608.4	6607.0	6615.5
5°	6842.0	6789.6	6657.9	6496.5	6367.7	6250.1	6104.3	6016.5	5954.2	5917.4	5927.3
7.5°	6639.5	6557.4	6350.7	6093.0	5886.2	5658.3	5433.1	5298.6	5193.8	5115.9	5130.1
10°	6500.8	6387.5	6085.9	5714.9	5370.8	5039.5	4729.4	4543.9	4396.6	4283.3	4291.8
12.5°	6454.0	6301.1	5883.4	5387.8	4905.0	4451.8	4046.9	3762.3	3610.7	3481.9	3491.8
15°	6461.1	6255.8	5713.5	5093.3	4485.8	3915.2	3423.8	3091.1	2885.8	2796.6	2798.0
17.5°	6466.8	6203.4	5535.1	4777.5	4070.9	3413.9	2880.1	2543.1	2349.1	2267.0	2268.4
20°	6448.4	6118.4	5314.2	4415.0	3637.7	2953.7	2436.9	2150.9	2003.6	1939.9	1939.9
22.5°	6424.3	6017.9	5065.0	4051.1	3210.0	2554.4	2119.7	1901.7	1816.7	1774.2	1772.8
25°	6435.6	5942.9	4810.1	3677.3	2816.4	2235.8	1908.7	1764.3	1707.7	1680.8	1679.4
27.5°	6496.5	5907.5	4575.0	3304.9	2472.3	1996.5	1767.1	1665.2	1628.4	1611.4	1611.4
30°	6607.0	5907.5	4330.1	2987.7	2186.3	1819.5	1658.1	1588.7	1563.2	1551.9	1551.9
32.5°	6799.5	5940.0	4093.6	2673.4	1958.3	1680.8	1567.5	1520.8	1500.9	1495.3	1495.3
35°	7130.9	6050.5	3862.8	2376.0	1774.2	1567.5	1481.1	1454.2	1440.1	1438.6	1442.9
37.5°	7596.7	6275.6	3646.1	2156.5	1644.0	1475.5	1408.9	1387.7	1379.2	1386.2	1391.9
40°	8182.9	6581.5	3449.3	1958.3	1544.8	1401.8	1342.3	1328.2	1323.9	1333.9	1342.3
42.5°	8890.9	6994.9	3287.9	1815.3	1468.4	1339.5	1285.7	1268.7	1264.5	1275.8	1287.1
45°	9657.0	7439.6	3174.6	1709.1	1408.9	1292.8	1236.2	1217.7	1209.2	1214.9	1227.7
47.5°	10353.6	7860.1	3129.3	1634.0	1352.3	1253.1	1192.3	1169.6	1155.4	1152.6	1162.5
50°	10941.3	8173.0	3150.6	1588.7	1306.9	1209.2	1149.8	1124.3	1103.0	1090.3	1097.4
52.5°	11368.9	8369.9	3170.4	1568.9	1271.6	1161.1	1103.0	1079.0	1050.7	1029.4	1029.4
55°	11679.0	8415.2	3126.5	1553.3	1244.6	1108.7	1050.7	1028.0	999.7	975.6	972.8
57.5°	11800.8	8287.7	2963.6	1530.7	1226.2	1059.2	995.4	978.4	954.4	926.1	924.6
60°	11636.5	7894.1	2649.3	1482.5	1202.2	1018.1	940.2	928.9	917.6	890.7	889.2
62.5°	10976.7	7030.3	2242.9	1384.8	1154.0	974.2	889.2	894.9	896.3	877.9	875.1
65°	9780.2	5843.7	1846.4	1257.4	1081.8	921.8	836.8	863.7	879.3	876.5	872.2
67.5°	8041.4	4548.1	1564.7	1122.9	986.9	849.6	780.2	811.4	824.1	834.0	831.2
70°	5968.4	3207.2	1294.2	981.3	872.2	764.6	706.6	722.1	713.7	725.0	729.2
72.5°	3327.6	1924.3	1054.9	839.7	753.3	665.5	624.4	621.6	603.2	603.2	603.2
74°	1996.5	1411.7	927.5	751.9	681.1	600.4	565.0	552.2	535.2	536.7	535.2
75°	1605.7	1213.5	851.0	693.8	630.1	562.1	526.7	509.8	497.0	497.0	495.6
77.5°	1013.8	921.8	685.3	552.2	504.1	463.0	439.0	416.3	416.3	414.9	413.5
80°	766.0	733.5	533.8	417.7	386.6	355.4	339.8	329.9	329.9	334.2	332.8
82.5°	525.3	552.2	375.2	291.7	276.1	253.5	250.6	252.0	247.8	242.1	240.7
85°	383.7	414.9	253.5	184.1	168.5	154.3	165.7	171.3	164.3	151.5	145.8
87.5°	147.3	271.9	135.9	76.5	70.8	60.9	70.8	73.6	79.3	62.3	63.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)