

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: P323174

Luminaire Tested: **GAN-SA0C-730-U-SL2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323174  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0C-730-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52809 lumens  
Efficiency: N/A  
Efficacy: 94.6 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

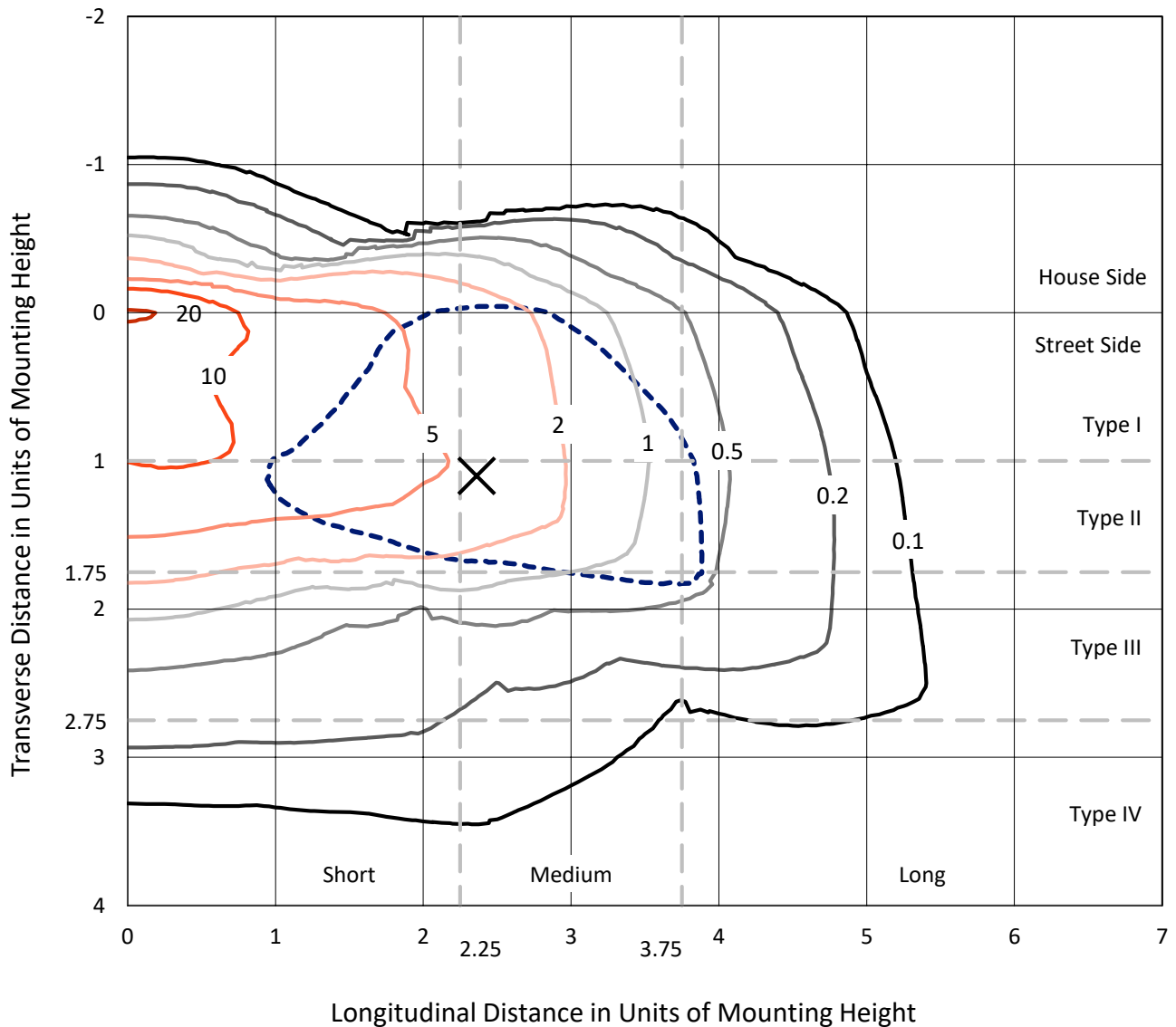
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

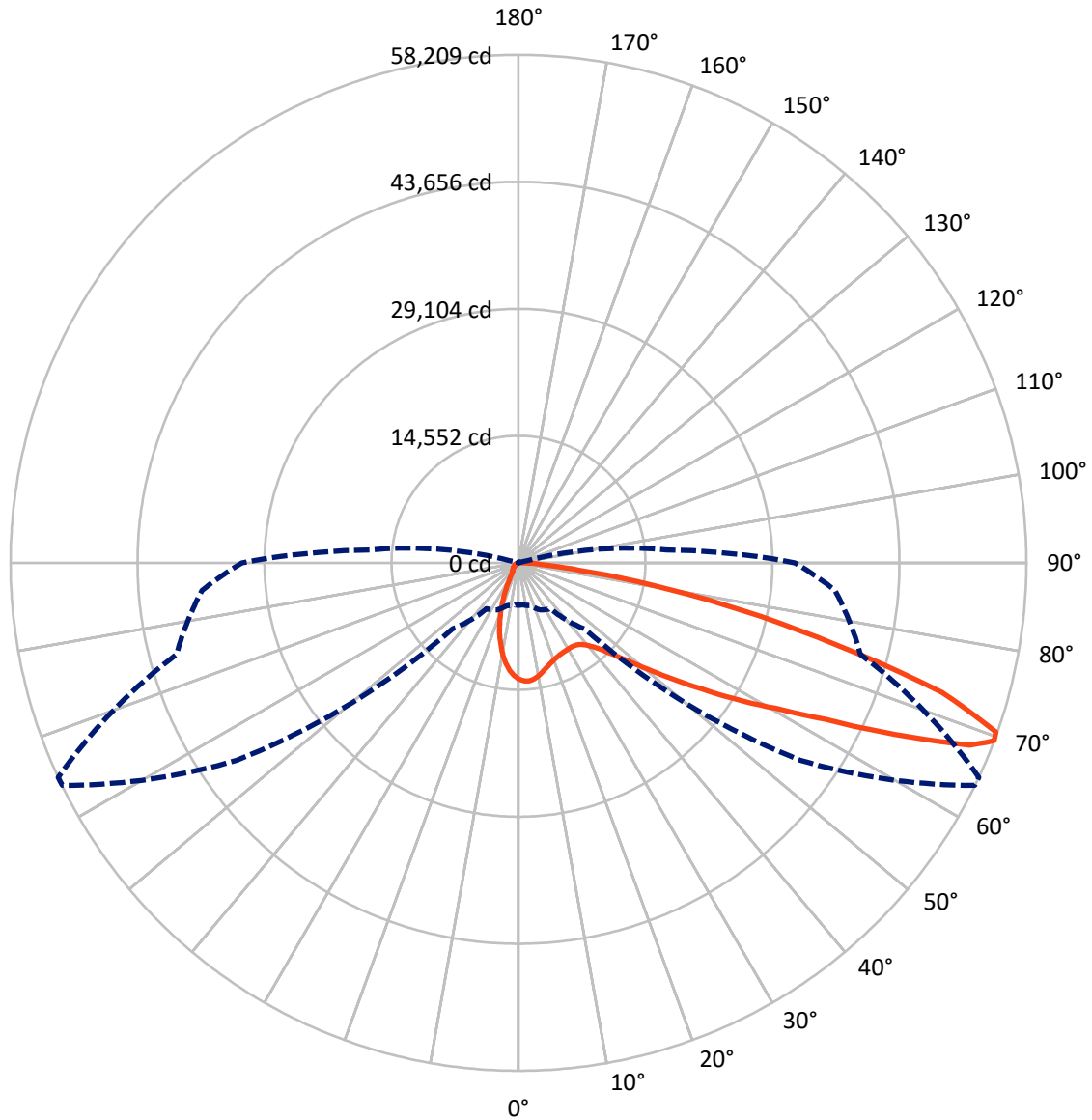
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 21.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical



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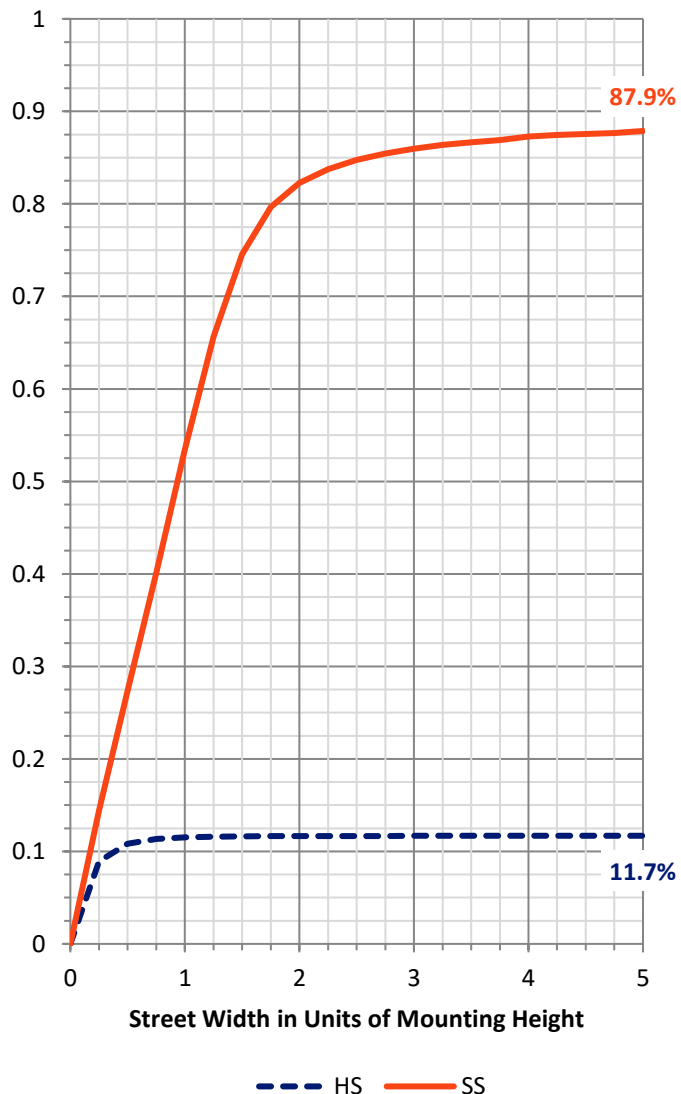
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6224.9	0.0	6224.9
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	46584.1	0.0	46584.1
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	52809.0	0.0	52809.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1115.9	2.1
10°-20°	2442.8	4.6
20°-30°	3383.3	6.4
30°-40°	4717.5	8.9
40°-50°	7332.5	13.9
50°-60°	11771.5	22.3
60°-70°	13315.5	25.2
70°-80°	7820.3	14.8
80°-90°	909.7	1.7
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°	52809.0	100.0
0°-180°	52809.0	100.0

**Coefficient of Utilization**

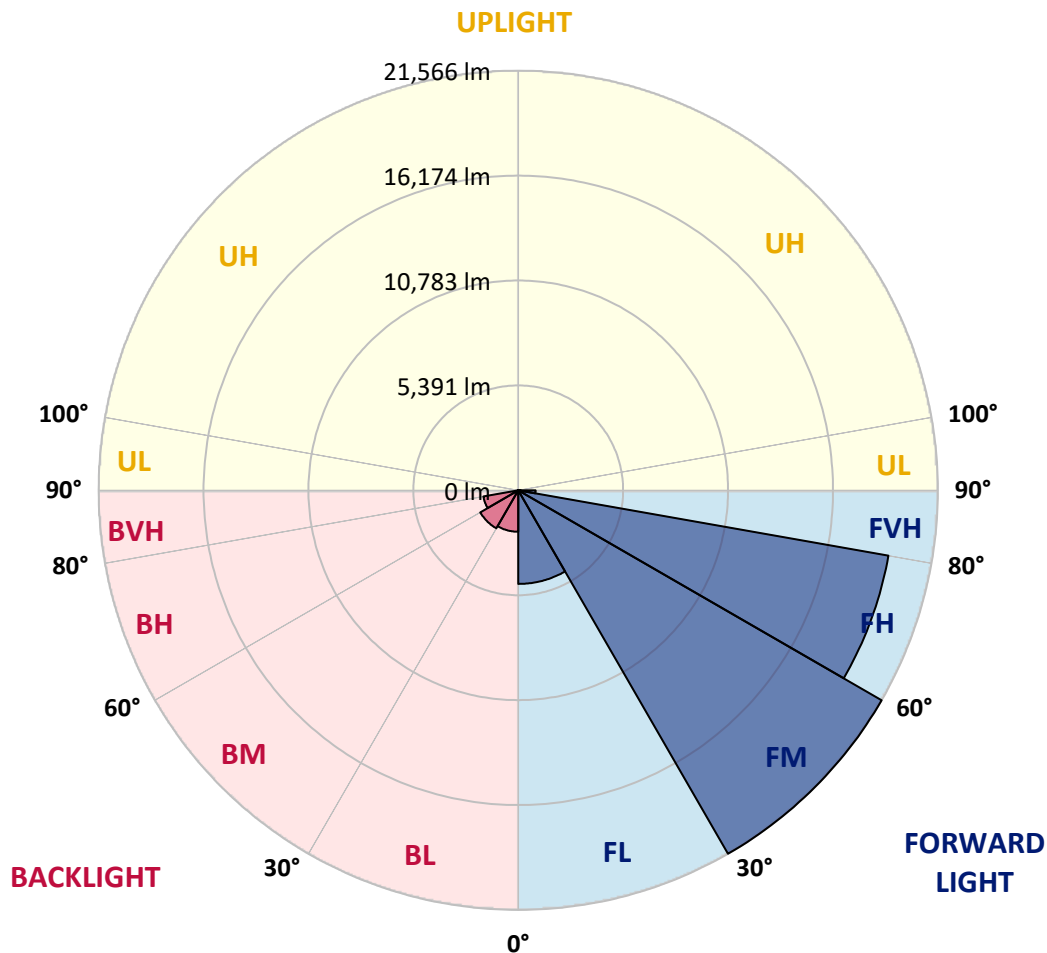


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4812.1	9.1			
FM (30°-60°)	21565.7	40.8			
FH (60°-80°)	19317.0	36.6			G5
FVH (80°-90°)	889.2	1.7			G5
BL (0°-30°)	2129.9	4.0	B3/2500		
BM (30°-60°)	2255.8	4.3	B2/2500		
BH (60°-80°)	1818.8	3.4	B3/2500		G3/2500
BVH (80°-90°)	20.5	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9
2.5°	13463.4	13429.8	13456.7	13514.8	13543.8	13543.8	13566.2	13539.3	13548.3	13483.5	13389.6
5°	12620.9	12569.5	12643.3	12806.4	13007.5	13179.6	13434.3	13568.4	13581.8	13584.0	13474.5
7.5°	11713.7	11666.8	11776.2	11968.4	12227.6	12547.2	12991.9	13380.7	13403.0	13613.1	13532.6
10°	10976.3	10942.8	11070.1	11275.7	11579.6	11937.1	12482.4	13023.1	13087.9	13552.7	13523.7
12.5°	10390.8	10364.0	10484.7	10721.5	11032.1	11427.7	11997.5	12625.4	12712.5	13416.4	13479.0
15°	9964.0	9959.5	10060.1	10288.0	10632.1	11000.8	11584.1	12256.7	12357.2	13269.0	13472.3
17.5°	9740.5	9747.2	9821.0	10015.4	10310.4	10676.8	11235.5	11946.1	12055.6	13137.1	13505.8
20°	9718.2	9724.9	9765.1	9874.6	10113.7	10437.7	10951.7	11684.6	11798.6	13038.8	13559.4
22.5°	9914.8	9910.4	9921.5	9910.4	10044.4	10290.3	10764.0	11483.5	11615.4	12974.0	13601.9
25°	10292.5	10285.8	10281.3	10198.6	10109.3	10241.1	10685.8	11369.6	11494.7	12927.1	13626.5
27.5°	10817.6	10813.1	10806.4	10670.1	10402.0	10319.3	10694.7	11327.1	11432.1	12889.1	13622.0
30°	11508.1	11539.4	11530.4	11340.5	10922.6	10558.4	10788.6	11304.8	11396.4	12815.3	13575.1
32.5°	12319.3	12381.8	12431.0	12227.6	11704.7	11032.1	11005.3	11329.3	11396.4	12759.5	13490.2
35°	13161.7	13242.1	13423.1	13351.6	12663.4	11745.0	11378.5	11476.8	11532.7	12790.8	13450.0
37.5°	13990.7	14086.8	14480.1	14687.9	13919.2	12688.0	11959.5	11841.1	11870.1	12980.7	13494.6
40°	14953.8	15099.1	15695.7	16030.9	15418.6	13950.5	12828.7	12466.7	12477.9	13398.6	13702.5
42.5°	16218.6	16368.3	17014.1	17539.2	17108.0	15546.0	14008.6	13423.1	13412.0	14180.7	14191.8
45°	17760.5	17916.9	18585.0	19168.2	18973.8	17436.4	15519.2	14819.8	14806.3	15414.2	15119.2
47.5°	19507.9	19662.1	20258.7	20859.8	21069.9	19644.2	17443.2	16725.9	16694.6	17128.1	16551.6
50°	21007.3	21107.9	21657.6	22466.5	23414.0	22357.0	19836.4	19145.9	19112.4	19405.1	18654.3
52.5°	21552.5	21610.6	22169.3	23302.2	25666.4	26030.7	22980.4	22091.1	22066.5	22193.9	21454.2
55°	20448.7	20553.7	21239.7	22920.1	26886.5	30182.5	26949.1	25737.9	25552.5	25277.6	24381.5
57.5°	17440.9	17608.5	18345.9	20580.5	26316.7	33476.3	32781.3	29863.0	29590.3	27909.9	26761.4
60°	13067.8	13273.4	13885.7	16296.8	23275.4	34649.4	39154.4	34459.5	33845.0	30006.0	28949.0
62.5°	8967.4	9070.2	9485.8	11056.7	17141.5	32727.7	44486.1	40615.8	39494.0	32285.2	31315.4
65°	6849.0	6884.7	7054.6	7595.3	10207.6	26584.8	46606.7	48738.5	47382.1	35011.4	33771.2
67.5°	5519.4	5490.4	5725.0	6498.2	6835.6	16218.6	44133.0	56423.2	55788.6	38656.0	36242.7
69°	4866.9	4826.7	5065.8	5964.1	6420.0	10721.5	39453.8	58168.4	58208.6	40580.0	36412.5
70°	4379.8	4406.6	4643.5	5646.8	6279.2	8415.4	34984.6	57723.7	58041.0	41299.6	35393.6
72.5°	2925.1	2996.6	3472.5	4688.2	6037.8	6368.6	21123.5	49534.0	50754.1	39679.5	30365.7
75°	1649.1	1702.8	2268.1	3535.1	5689.2	6064.7	11157.3	36493.0	37672.8	33181.3	23416.2
77.5°	808.9	838.0	1282.7	2281.5	4757.4	5778.6	6328.3	24788.2	26135.7	21657.6	13244.4
80°	341.9	357.5	641.3	1407.8	3401.0	5514.9	4699.3	15255.5	15423.1	8484.7	3528.4
82.5°	131.8	136.3	270.4	878.2	2160.8	4299.3	3930.6	7233.3	7059.0	1597.7	804.4
85°	15.6	17.9	98.3	527.4	1202.2	2212.2	3193.2	3117.2	2884.8	317.3	413.4
87.5°	0.0	0.0	6.7	160.9	357.5	1036.8	1660.3	1293.8	1166.5	102.8	214.5
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°	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9	13344.9
2.5°	13311.4	13289.1	13168.4	12994.1	12828.7	12623.2	12426.5	12308.1	12214.2	12151.7	12225.4
5°	13347.2	13248.8	12882.4	12413.1	11952.8	11434.4	10951.7	10542.8	10381.9	10203.1	10283.5
7.5°	13336.0	13150.5	12491.3	11655.6	10810.9	9937.2	9110.4	8473.5	8142.8	7818.8	7901.5
10°	13280.1	12967.3	11968.4	10730.5	9465.7	8209.9	7036.7	6145.1	5646.8	5195.4	5260.2
12.5°	13157.2	12721.5	11351.7	9671.3	7979.7	6323.9	4949.6	3807.7	3195.5	2925.1	2958.6
15°	13083.5	12482.4	10699.2	8598.7	6393.1	4404.4	3025.6	2250.2	1970.9	1881.5	1892.7
17.5°	13047.7	12252.2	10024.3	7371.9	4770.8	2804.4	1955.3	1725.1	1664.8	1649.1	1653.6
20°	13012.0	12019.8	9329.4	6158.5	3287.1	1886.0	1606.7	1539.6	1517.3	1497.2	1501.6
22.5°	12951.6	11796.4	8583.0	4929.5	2216.7	1530.7	1448.0	1383.2	1336.3	1311.7	1316.2
25°	12877.9	11561.7	7821.0	3671.4	1617.8	1365.3	1287.1	1195.5	1139.6	1094.9	1097.2
27.5°	12759.5	11273.5	7034.5	2672.6	1358.6	1222.3	1117.3	1016.7	922.9	871.5	871.5
30°	12594.1	10947.2	6160.7	1912.8	1217.8	1081.5	954.2	829.0	728.5	681.5	677.1
32.5°	12410.9	10607.6	5278.1	1450.2	1106.1	949.7	804.4	672.6	583.2	545.2	543.0
35°	12254.5	10241.1	4397.7	1215.6	994.4	822.3	663.7	551.9	480.4	449.2	446.9
37.5°	12153.9	9874.6	3539.6	1086.0	893.8	703.9	556.4	455.9	404.5	379.9	377.6
40°	12138.3	9602.0	2755.2	987.7	800.0	598.9	464.8	386.6	339.7	312.8	310.6
42.5°	12341.6	9445.6	2113.9	905.0	703.9	507.3	395.5	330.7	281.6	254.7	252.5
45°	12875.7	9494.7	1626.8	831.3	607.8	429.0	335.2	274.9	230.2	210.1	205.6
47.5°	13849.9	9834.4	1293.8	757.5	516.2	364.2	286.0	227.9	189.9	169.8	167.6
50°	15584.0	10632.1	1081.5	677.1	431.3	310.6	236.9	185.5	154.2	136.3	134.1
52.5°	17885.6	12053.3	965.3	598.9	357.5	263.7	194.4	147.5	120.7	107.3	105.0
55°	20424.1	13774.0	889.4	514.0	292.7	219.0	154.2	116.2	93.9	82.7	78.2
57.5°	22902.2	15264.4	817.9	431.3	243.6	178.8	122.9	91.6	73.7	62.6	60.3
60°	25179.3	16634.2	735.2	346.4	198.9	140.8	96.1	71.5	58.1	46.9	46.9
62.5°	27617.2	17693.4	621.2	270.4	163.1	107.3	78.2	64.8	46.9	40.2	38.0
65°	30200.4	18480.0	487.1	210.1	127.4	80.4	64.8	67.0	38.0	29.0	26.8
67.5°	32108.7	18323.6	359.8	165.4	98.3	62.6	62.6	71.5	33.5	22.3	20.1
69°	31688.6	17052.1	301.7	143.0	84.9	53.6	58.1	71.5	31.3	20.1	17.9
70°	30470.8	15644.3	265.9	127.4	76.0	49.2	55.9	69.3	29.0	20.1	17.9
72.5°	25375.9	11783.0	207.8	96.1	60.3	40.2	46.9	60.3	29.0	20.1	15.6
75°	19087.8	7541.7	158.7	69.3	44.7	31.3	35.8	44.7	29.0	17.9	15.6
77.5°	10386.3	2719.5	114.0	46.9	31.3	24.6	24.6	33.5	26.8	13.4	8.9
80°	2670.3	683.8	71.5	31.3	24.6	17.9	15.6	22.3	15.6	2.2	0.0
82.5°	659.2	154.2	38.0	22.3	17.9	6.7	6.7	11.2	6.7	0.0	0.0
85°	362.0	76.0	24.6	15.6	8.9	0.0	0.0	2.2	0.0	0.0	0.0
87.5°	185.5	22.3	6.7	4.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0
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)