Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P530178

Luminaire Tested: **GLAN-SA5B-827-U-AFL-GRSWH**

Issue Date: 5/27/2021

Report Generated By 670246001

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P530178
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)
Test Lab:	INNOVATION CENTER
Issue Date:	5/27/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA5B-827-U-AFL-GRSWH
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(5) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	18902 lumens
Efficiency:	N/A
Efficacy:	92.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	204
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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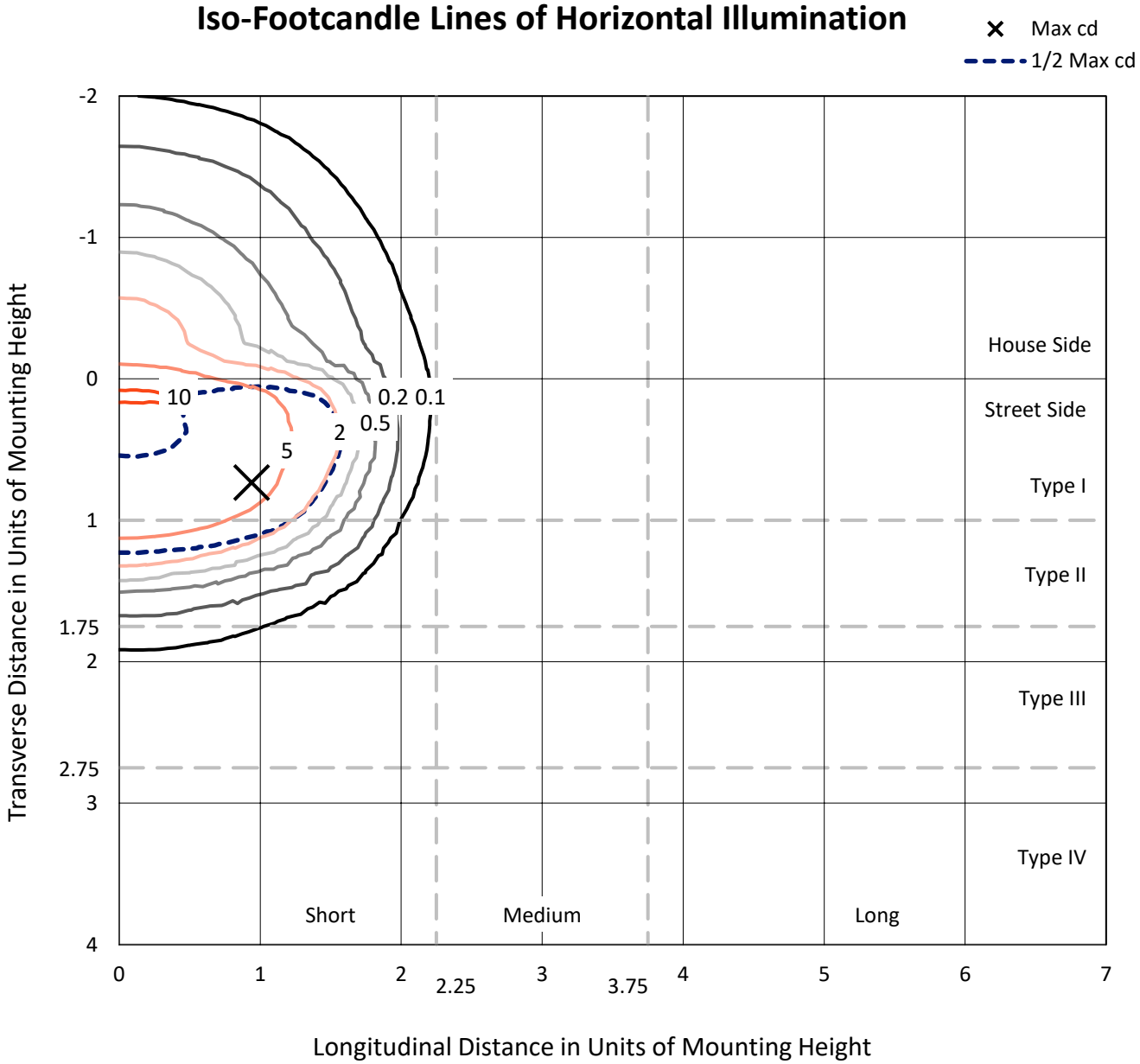
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc
Type II - Short - N/A

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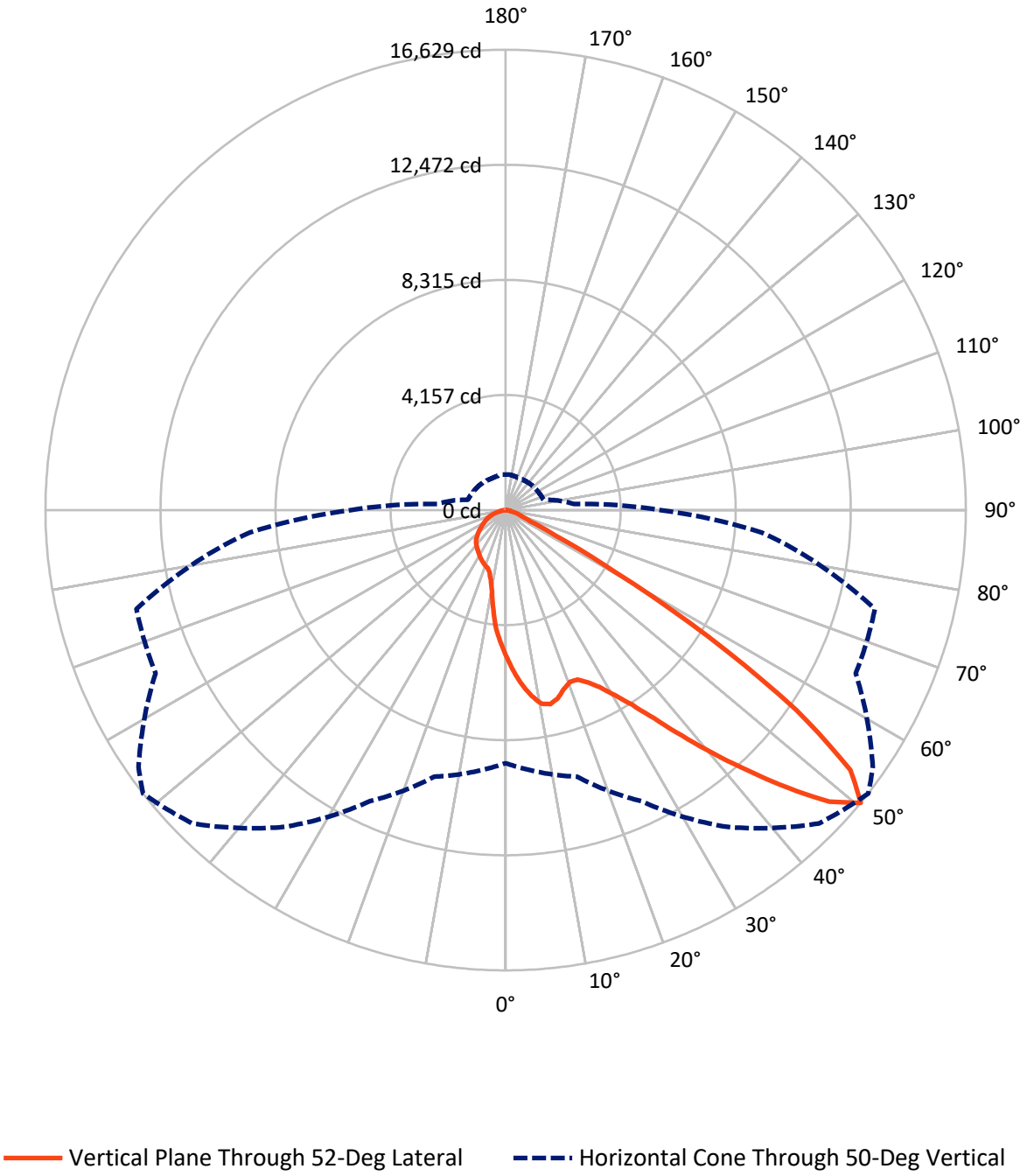
Luminous Intensity Polar Plot



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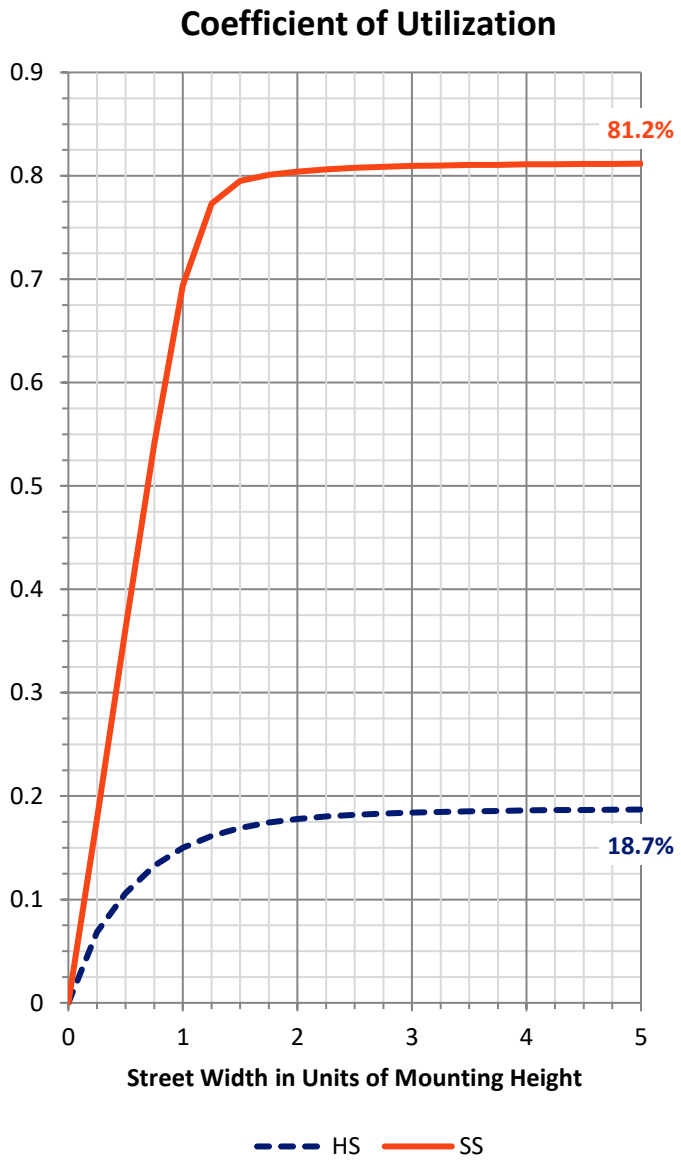
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3553.1	0.0	3553.1
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	15348.9	0.0	15348.9
	% Fixture	81.2	0.0	81.2
Total	Lumens	18902.0	0.0	18902.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	491.1	2.6
10°-20°	1316.3	7.0
20°-30°	2217.2	11.7
30°-40°	3720.6	19.7
40°-50°	5691.6	30.1
50°-60°	4149.7	22.0
60°-70°	923.5	4.9
70°-80°	333.1	1.8
80°-90°	59.0	0.3
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°	18902.0	100.0
0°-180°	18902.0	100.0



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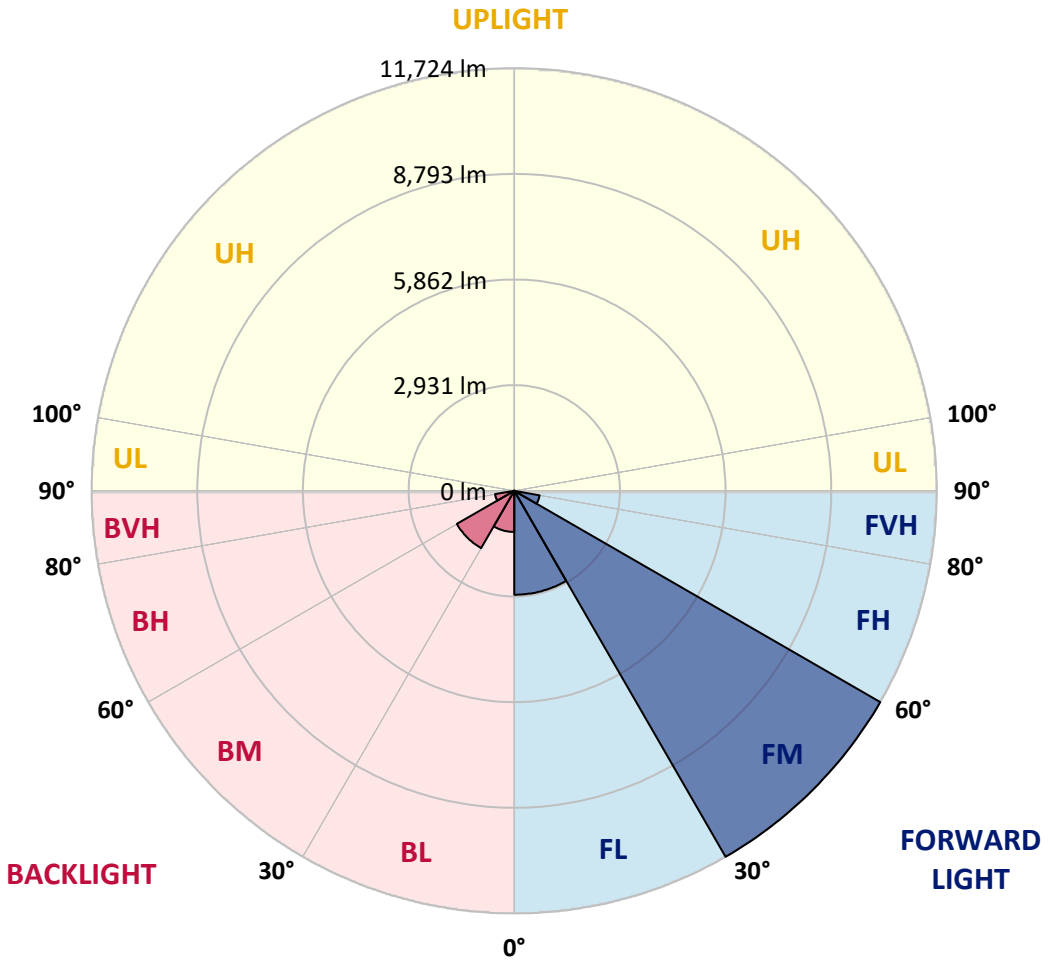
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2883.2	15.3			
FM	(30°-60°)	11724.0	62.0			
FH	(60°-80°)	715.3	3.8			G1/1800
FVH	(80°-90°)	26.4	0.1			G1/100
BL	(0°-30°)	1141.3	6.0	B3/2500		
BM	(30°-60°)	1837.9	9.7	B2/2500		
BH	(60°-80°)	541.3	2.9	B2/1000		G2/1000
BVH	(80°-90°)	32.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	5328.2	5328.2	5328.2	5328.2	5328.2	5328.2	*5328.2*	5328.2	5328.2	5328.2	5328.2
2.5°	6273.5	6152.8	6166.5	6079.9	5986.5	5959.2	*5863.5*	5772.4	5704.0	5558.2	5423.8
5°	6856.7	6820.2	6765.6	6697.2	6626.6	6453.5	*6355.5*	6241.6	5991.0	5765.5	5542.3
7.5°	6941.0	6934.1	6963.7	6963.7	6988.8	6922.7	*6783.8*	6704.1	6437.5	6070.8	5656.2
10°	6348.7	6369.2	6512.7	6699.5	6959.2	7139.1	*7116.4*	7095.9	6804.3	6303.1	5790.6
12.5°	5877.2	5831.6	5915.9	6075.3	6464.9	6900.0	*7193.8*	7196.1	7120.9	6674.4	5888.5
15°	5610.6	5642.5	5665.3	5740.5	6034.3	6537.8	*7054.9*	7207.5	7537.8	6936.4	6043.4
17.5°	5781.5	5674.4	5669.9	5688.1	5838.4	6216.6	*6797.4*	7059.4	7765.6	7273.5	6234.8
20°	6004.7	6002.4	5938.7	5915.9	5913.6	6250.7	*6628.9*	6984.2	7886.3	7710.9	6428.4
22.5°	6396.5	6396.5	6291.7	6241.6	6134.6	6410.2	*6651.7*	6893.1	8086.8	8011.6	6521.8
25°	7052.6	6945.5	6765.6	6642.5	6581.0	6679.0	*6893.1*	7109.5	8262.2	8330.5	6715.4
27.5°	7658.5	7489.9	7401.1	7189.3	7107.3	7050.3	*7246.2*	7464.9	8467.2	8827.1	6820.2
30°	8346.5	8316.9	8157.4	7884.0	7681.3	7576.5	*7756.5*	7972.9	8843.1	9335.1	7061.7
32.5°	9576.6	9307.8	9091.4	8756.5	8426.2	8203.0	*8380.6*	8524.1	9467.2	9865.9	7325.9
35°	10904.6	10818.1	10444.5	9840.8	9335.1	9134.6	*9239.4*	9346.5	10193.9	10676.8	7770.1
37.5°	12209.9	12091.4	11783.9	11275.9	10660.9	10253.1	*10328.3*	10453.6	11009.4	11770.2	8312.3
40°	13148.4	13002.6	12847.7	12772.6	12162.1	11604.0	*11560.7*	11592.6	12111.9	12795.3	8913.7
42.5°	13216.8	13396.7	13444.6	13747.5	13604.0	13146.1	*12879.6*	12886.4	13164.4	13809.0	9521.9
45°	13073.2	12907.0	13260.0	14086.9	14560.8	14774.9	*14326.1*	14269.2	13815.9	14396.7	9824.9
47.5°	11567.5	11613.1	12209.9	13517.4	14886.5	15843.2	*15738.5*	15549.4	14164.4	14376.2	9777.0
50°	*9143.8*	*9419.4*	*9972.9*	*11601.7*	*13975.3*	*16011.8*	*16629.1*	*16191.8*	*13957.1*	*13811.3*	*9289.5*
52.5°	6089.0	6202.9	6567.4	8669.9	11237.2	14312.5	*15604.1*	15704.3	13765.7	13071.0	8672.2
55°	2710.8	2701.7	3214.2	4528.6	7050.3	10891.0	*12749.8*	13360.3	13030.0	12317.0	8070.8
57.5°	1148.1	1186.8	1396.4	1956.8	3467.1	6571.9	*8638.0*	9173.4	10020.8	10114.2	6191.5
60°	776.8	781.3	838.3	979.5	1451.1	3086.6	*4530.9*	5173.3	5779.2	5738.2	3284.8
62.5°	610.5	626.4	669.7	726.7	861.1	1400.9	*2027.4*	2385.0	2423.8	2038.8	1246.0
65°	521.7	523.9	567.2	615.1	674.3	815.5	*977.2*	995.5	1006.9	970.4	915.7
67.5°	430.5	435.1	469.3	523.9	578.6	624.2	*669.7*	692.5	744.9	847.4	833.7
70°	341.7	348.5	378.1	423.7	473.8	501.2	*558.1*	578.6	626.4	706.2	738.1
72.5°	259.7	262.0	287.0	318.9	364.5	391.8	*439.6*	462.4	494.3	562.7	592.3
75°	186.8	193.6	211.9	227.8	234.6	252.9	*298.4*	323.5	369.0	398.6	400.9
77.5°	98.0	102.5	107.1	107.1	129.8	164.0	*193.6*	207.3	239.2	262.0	250.6
80°	38.7	41.0	52.4	70.6	91.1	118.5	*139.0*	145.8	173.1	186.8	193.6
82.5°	22.8	25.1	34.2	50.1	66.1	84.3	*100.2*	107.1	125.3	141.2	145.8
85°	11.4	13.7	20.5	31.9	43.3	52.4	*50.1*	47.8	47.8	45.6	47.8
87.5°	4.6	4.6	6.8	6.8	6.8	9.1	*11.4*	11.4	11.4	13.7	13.7
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°	5328.2	5328.2	5328.2	5328.2	5328.2	5328.2	5328.2	5328.2	5328.2	5328.2	5328.2
2.5°	5335.0	5243.9	5159.6	5004.7	4836.1	4788.3	4592.4	4521.8	4471.6	4412.4	4394.2
5°	5362.3	5241.6	4970.5	4658.4	4410.1	4091.2	3881.7	3656.1	3492.1	3451.1	3439.7
7.5°	5419.3	5212.0	4745.0	4273.5	3765.5	3332.7	3002.4	2824.7	2667.5	2658.4	2642.4
10°	5483.1	5123.1	4499.0	3758.6	3109.4	2708.5	2510.3	2432.9	2394.1	2385.0	2380.5
12.5°	5535.5	5104.9	4223.3	3257.5	2644.7	2403.3	2344.0	2337.2	2353.1	2357.7	2366.8
15°	5558.2	5032.0	3890.8	2808.7	2355.4	2266.6	2291.6	2319.0	2330.4	2360.0	2337.2
17.5°	5601.5	4938.6	3480.7	2453.4	2193.7	2209.6	2252.9	2284.8	2303.0	2323.5	2293.9
20°	5624.3	4854.3	3095.8	2241.5	2136.7	2166.3	2225.6	2250.6	2273.4	2282.5	2248.4
22.5°	5603.8	4681.2	2756.3	2070.7	2082.1	2120.8	2173.2	2200.5	2186.8	2150.4	2129.9
25°	5549.1	4437.5	2403.3	1961.3	2004.6	2072.9	2114.0	2093.4	2068.4	2047.9	2041.1
27.5°	5546.8	4139.1	2148.1	1861.1	1938.5	2031.9	2018.3	2000.1	2011.4	1995.5	1977.3
30°	5558.2	3849.8	1938.5	1804.1	1890.7	1936.3	1952.2	1934.0	1947.7	1918.0	1927.2
32.5°	5499.0	3567.3	1801.9	1738.1	1833.8	1831.5	1883.9	1897.5	1865.7	1804.1	1813.3
35°	5524.1	3339.5	1685.7	1708.5	1770.0	1770.0	1811.0	1795.0	1710.8	1674.3	1683.4
37.5°	5697.2	3116.3	1628.7	1667.5	1708.5	1726.7	1713.0	1644.7	1624.2	1624.2	1628.7
40°	5861.2	2924.9	1594.6	1658.4	1651.5	1662.9	1562.7	1569.5	1569.5	1571.8	1560.4
42.5°	6007.0	2795.1	1567.2	1603.7	1615.1	1555.9	1494.3	1487.5	1503.5	1501.2	1492.1
45°	6059.4	2688.0	1528.5	1542.2	1551.3	1453.3	1423.7	1410.1	1428.3	1435.1	1444.2
47.5°	5858.9	2599.2	1485.2	1457.9	1439.7	1375.9	1337.2	1312.1	1334.9	1373.6	1382.7
50°	*5601.5*	*2483.0*	*1416.9*	*1364.5*	*1325.8*	*1298.4*	*1271.1*	*1246.0*	*1262.0*	*1289.3*	*1282.5*
52.5°	5221.1	2300.7	1330.3	1275.7	1209.6	1216.4	1191.4	1177.7	1186.8	1186.8	1180.0
55°	4678.9	1890.7	1184.5	1145.8	1091.1	1109.4	1113.9	1095.7	1077.5	1093.4	1079.8
57.5°	3193.7	1334.9	1057.0	1057.0	1002.3	1027.4	1025.1	981.8	938.5	943.1	934.0
60°	1847.4	1063.8	975.0	965.9	908.9	929.4	934.0	904.4	838.3	842.8	833.7
62.5°	1050.1	908.9	852.0	838.3	826.9	845.1	845.1	806.4	749.5	754.0	744.9
65°	893.0	842.8	760.8	758.6	754.0	758.6	740.3	699.3	649.2	628.7	631.0
67.5°	811.0	779.1	699.3	678.8	665.2	662.9	628.7	590.0	567.2	549.0	546.7
70°	710.7	685.7	626.4	599.1	585.4	553.5	519.4	494.3	462.4	453.3	462.4
72.5°	562.7	560.4	537.6	508.0	478.4	453.3	423.7	389.5	359.9	353.1	337.1
75°	389.5	394.1	398.6	394.1	369.0	337.1	303.0	275.6	239.2	218.7	214.1
77.5°	255.1	262.0	268.8	259.7	243.7	214.1	191.3	157.2	129.8	113.9	111.6
80°	186.8	195.9	200.5	193.6	175.4	152.6	127.6	100.2	79.7	66.1	66.1
82.5°	143.5	152.6	157.2	145.8	127.6	109.3	91.1	70.6	54.7	43.3	41.0
85°	50.1	47.8	56.9	59.2	70.6	66.1	54.7	41.0	31.9	22.8	20.5
87.5°	13.7	13.7	15.9	15.9	13.7	11.4	11.4	11.4	9.1	6.8	6.8
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)