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: P528650

Luminaire Tested: **GLAN-SA3D-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Report Generated By 670246001

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P528650
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab:	INNOVATION CENTER
Issue Date:	5/27/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA3D-730-U-SL3-GRSWH
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17793 lumens
Efficiency:	N/A
Efficacy:	96.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B3 - U0 - G2

Input Watts (W):	184
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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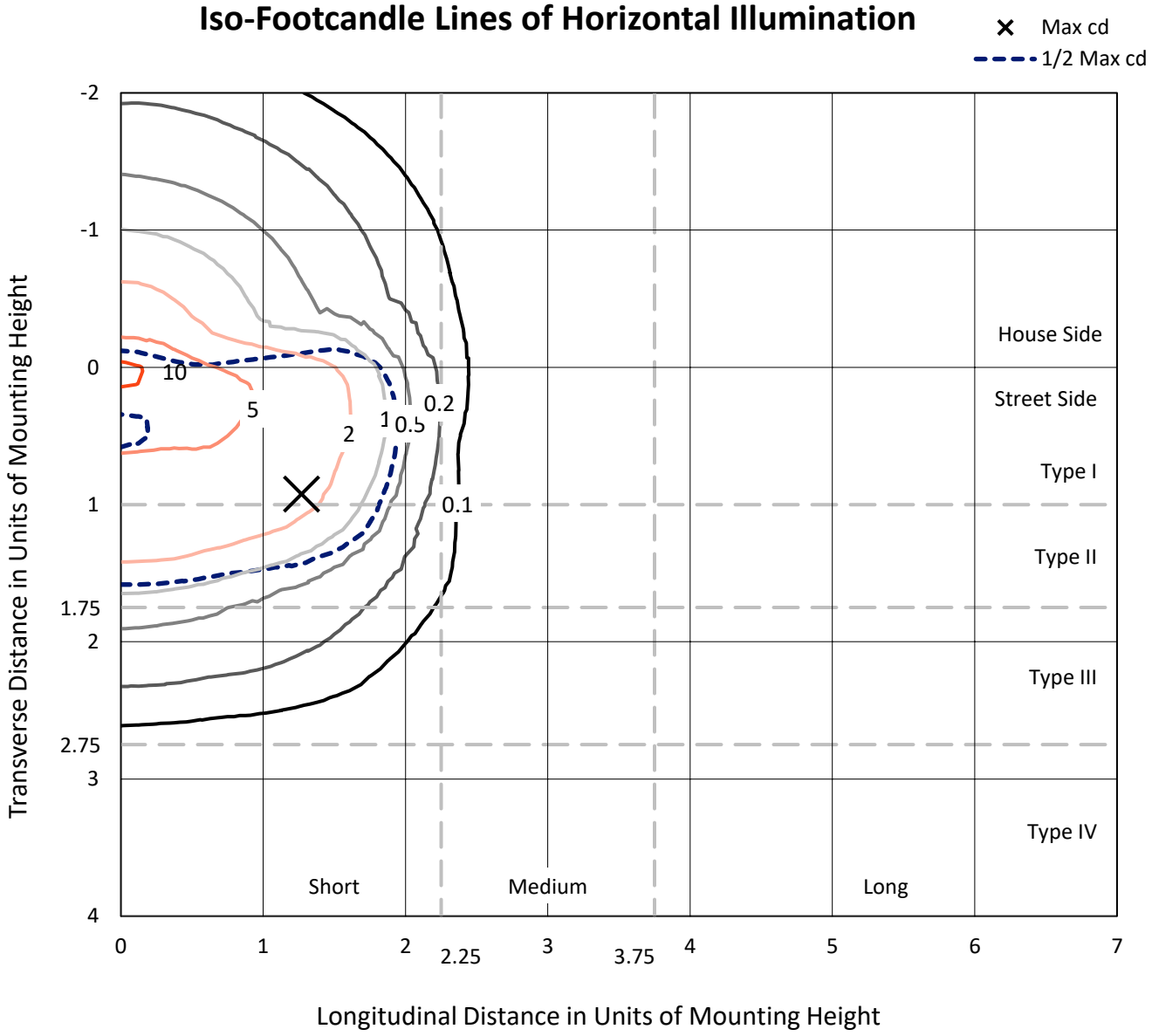
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
Type II - Short - N/A

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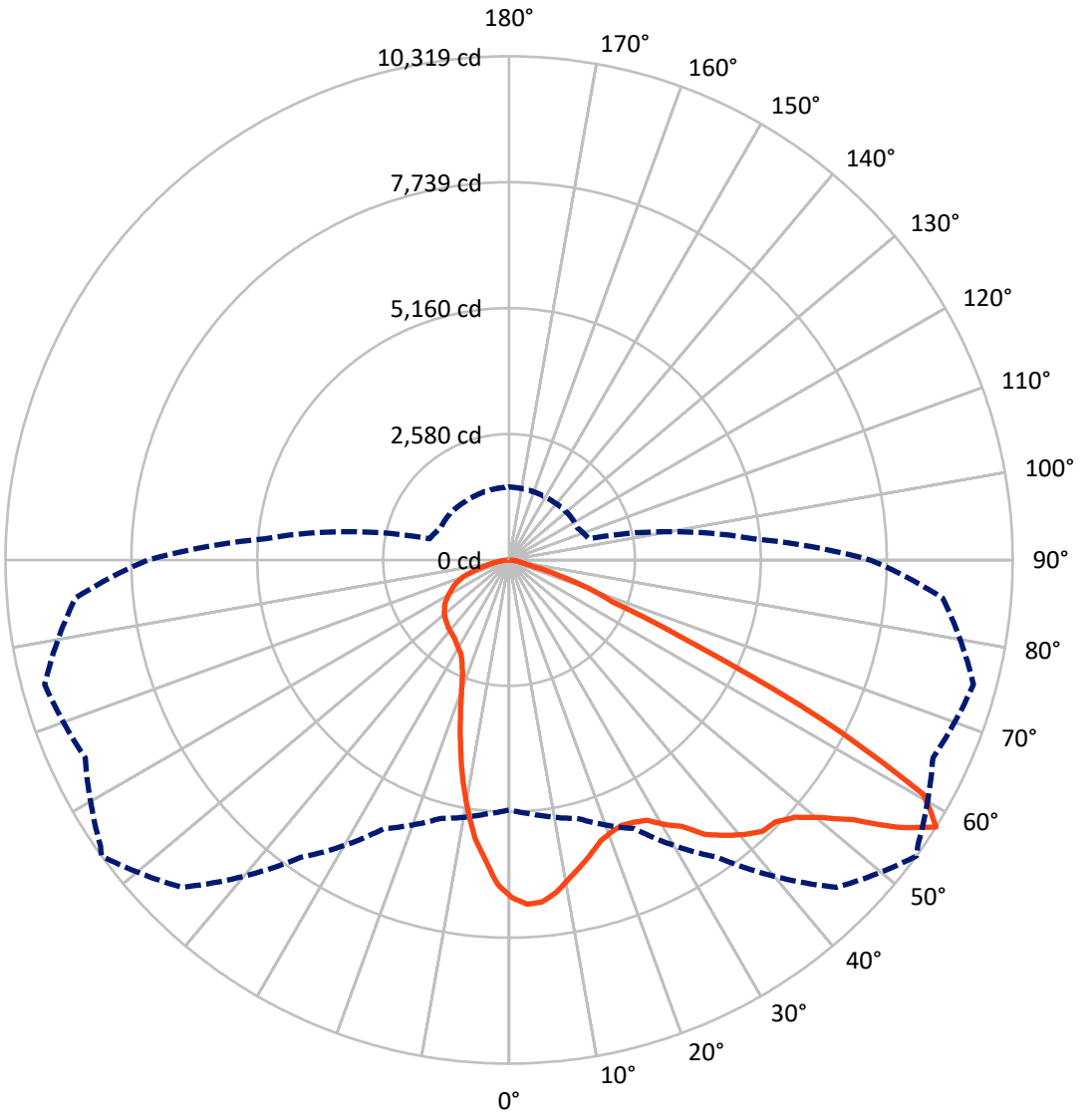
Luminous Intensity Polar Plot



Vertical Plane Through 54-Deg Lateral Horizontal Cone Through 57.5-Deg Vertical

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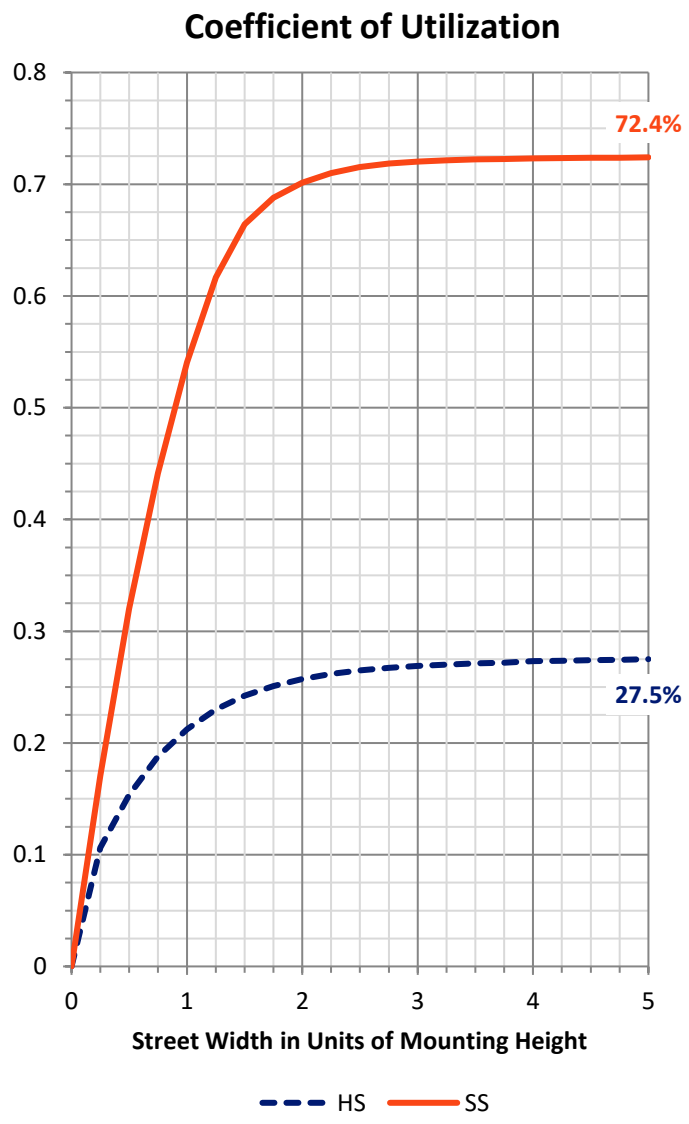
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4922.5	0.0	4922.5
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	12870.5	0.0	12870.5
	% Fixture	72.3	0.0	72.3
Total	Lumens	17793.0	0.0	17793.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.4	3.4
10°-20°	1381.0	7.8
20°-30°	1940.3	10.9
30°-40°	2712.5	15.2
40°-50°	3672.2	20.6
50°-60°	4472.9	25.1
60°-70°	2329.7	13.1
70°-80°	597.0	3.4
80°-90°	91.1	0.5
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°	17793.0	100.0
0°-180°	17793.0	100.0



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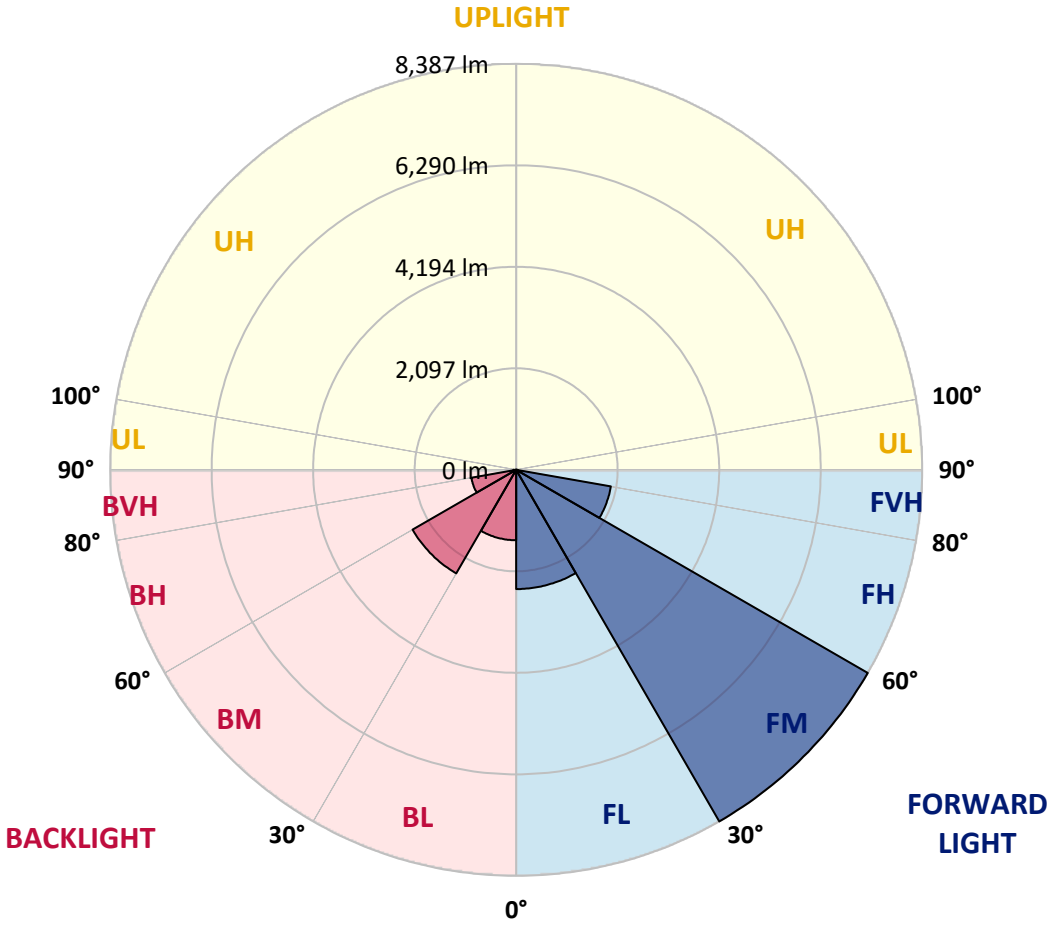
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2462.8	13.8			
FM	(30°-60°)	8387.1	47.1			
FH	(60°-80°)	1986.2	11.2			G2/5000
FVH	(80°-90°)	34.4	0.2			G1/100
BL	(0°-30°)	1454.9	8.2	B3/2500		
BM	(30°-60°)	2470.6	13.9	B2/2500		
BH	(60°-80°)	940.4	5.3	B2/1000		G2/1000
BVH	(80°-90°)	56.7	0.3			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°	54°	55°	65°	75°	85°
0°	6915.9	6915.9	6915.9	6915.9	6915.9	6915.9	*6915.9*	6915.9	6915.9	6915.9	6915.9
2.5°	7112.6	7085.2	7089.7	7126.3	7080.6	7062.3	*7062.3*	6973.1	6980.0	6918.2	6902.2
5°	6948.0	6883.9	6927.4	6982.3	6991.4	7009.7	*7039.4*	7016.6	6952.5	6886.2	6778.7
7.5°	6518.0	6575.2	6591.2	6630.1	6712.4	6787.9	*6881.6*	6817.6	6815.3	6749.0	6684.9
10°	6140.6	6106.3	6193.2	6250.4	6387.6	6513.4	*6657.5*	6650.6	6684.9	6609.5	6499.7
12.5°	5765.6	5738.1	5779.3	5909.6	6101.8	6284.7	*6456.2*	6392.2	6575.2	6561.4	6325.9
15°	5367.6	5388.2	5447.7	5568.9	5820.5	6040.0	*6257.3*	6259.6	6421.9	6476.8	6161.2
17.5°	5088.6	5065.7	5141.2	5321.9	5546.0	5809.0	*6056.0*	6106.3	6355.6	6387.6	6110.9
20°	4880.5	4912.5	5010.9	5102.3	5360.8	5678.7	*5957.7*	5976.0	6341.9	6428.8	6030.9
22.5°	4830.2	4811.9	4843.9	4992.6	5205.2	5550.6	*5905.1*	5973.7	6339.6	6415.1	5879.9
25°	4777.6	4837.0	4834.8	4983.4	5138.9	5447.7	*5948.5*	6024.0	6460.8	6486.0	5900.5
27.5°	4896.5	4889.6	4953.7	4965.1	5157.2	5475.1	*6040.0*	6097.2	6662.1	6641.5	5916.5
30°	5015.4	4981.1	5020.0	5154.9	5244.1	5632.9	*6291.6*	6287.0	6922.8	6909.1	5966.8
32.5°	5161.8	5145.8	5170.9	5289.9	5440.8	5843.3	*6504.3*	6639.2	7188.1	7275.0	6140.6
35°	5189.2	5255.6	5315.0	5475.1	5690.1	6184.1	*6904.5*	7016.6	7494.6	7766.7	6472.3
37.5°	5363.1	5388.2	5527.7	5811.3	6008.0	6639.2	*7158.4*	7229.3	7773.6	8082.3	6822.2
40°	5548.3	5578.0	5788.4	6085.7	6355.6	6936.5	*7396.2*	7419.1	7862.8	8324.7	7050.9
42.5°	5799.9	5827.3	6035.4	6408.2	6769.6	7190.4	*7606.6*	7631.8	7855.9	8603.8	7414.5
45°	6060.6	6126.9	6371.6	6794.7	7119.5	7487.7	*7654.6*	7757.6	7919.9	8853.0	7709.5
47.5°	6426.5	6488.3	6689.5	7103.5	7483.1	7748.4	*7876.5*	7977.1	8073.2	9070.3	7899.4
50°	6815.3	6826.7	7071.5	7446.5	7725.5	8043.4	*8290.4*	8324.7	8274.4	9321.9	8221.8
52.5°	7101.2	7137.8	7327.6	7693.5	8109.8	8500.8	*8839.3*	8875.9	8777.6	9415.6	8331.6
55°	6627.8	6607.2	6915.9	7403.1	8368.2	9182.4	*9674.1*	9701.5	9143.5	9706.1	8690.7
57.5°	*5122.9*	*5221.3*	*5484.3*	*6072.0*	*7435.1*	*9484.3*	*10319.0*	*10220.7*	*9582.6*	*9852.5*	*8919.4*
60°	3723.3	3700.4	3876.5	4269.9	5603.2	8173.8	*9756.4*	9857.0	9223.5	8880.5	7355.0
62.5°	3032.6	3000.6	3014.3	3028.0	3615.8	5424.8	*7222.4*	7220.1	7103.5	6383.1	4960.5
65°	2424.2	2499.7	2506.6	2609.5	2685.0	3240.7	*4185.2*	4409.4	3839.9	3149.2	2284.7
67.5°	1827.3	1799.9	1891.4	2257.3	2399.1	2339.6	*2284.7*	2309.9	1642.1	1184.7	1116.1
70°	1077.2	1065.7	1175.5	1573.5	1976.0	1859.3	*1722.1*	1724.4	1127.5	827.9	921.7
72.5°	590.1	587.8	610.6	798.2	1122.9	1166.4	*1033.7*	1065.7	672.4	670.1	720.4
75°	329.3	322.5	315.6	352.2	404.8	427.7	*436.8*	441.4	462.0	516.9	537.4
77.5°	121.2	116.6	116.6	134.9	171.5	215.0	*272.2*	276.7	327.0	375.1	395.7
80°	41.2	45.7	61.7	84.6	114.4	153.2	*185.2*	189.8	231.0	263.0	269.9
82.5°	25.2	27.4	41.2	59.5	82.3	107.5	*137.2*	139.5	171.5	192.1	201.3
85°	11.4	13.7	22.9	36.6	52.6	70.9	*73.2*	73.2	70.9	73.2	68.6
87.5°	0.0	0.0	4.6	4.6	4.6	6.9	*9.1*	6.9	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°	6915.9	6915.9	6915.9	6915.9	6915.9	6915.9	6915.9	6915.9	6915.9	6915.9	6915.9
2.5°	6854.2	6829.0	6751.3	6682.7	6662.1	6570.6	6435.7	6451.7	6353.3	6399.1	6351.0
5°	6760.4	6675.8	6476.8	6392.2	6170.4	6069.7	6001.1	5829.6	5749.6	5733.5	5664.9
7.5°	6520.3	6467.7	6218.4	5989.7	5754.1	5552.9	5294.4	5118.3	4992.6	4958.2	4857.6
10°	6330.5	6213.8	5868.5	5520.9	5184.7	4834.8	4498.6	4235.6	4107.5	3958.8	3908.5
12.5°	6142.9	5966.8	5500.3	5054.3	4619.8	4178.4	3771.3	3451.1	3172.1	3105.8	3082.9
15°	6026.3	5719.8	5170.9	4633.5	4016.0	3439.7	3032.6	2822.2	2650.7	2579.8	2630.1
17.5°	5873.1	5516.3	4855.3	4139.5	3460.3	2929.7	2588.9	2458.5	2396.8	2403.7	2383.1
20°	5680.9	5324.2	4441.4	3691.2	2964.0	2540.9	2346.5	2298.5	2307.6	2323.6	2316.7
22.5°	5543.7	5090.9	4141.8	3233.8	2561.5	2325.9	2245.8	2211.5	2241.3	2255.0	2243.6
25°	5438.5	4891.9	3778.1	2829.0	2328.2	2204.7	2168.1	2165.8	2211.5	2229.8	2218.4
27.5°	5342.5	4706.7	3416.8	2520.3	2172.7	2110.9	2099.5	2126.9	2156.7	2175.0	2191.0
30°	5285.3	4564.9	3078.3	2261.9	2094.9	2065.2	2044.6	2069.7	2085.8	2104.1	2094.9
32.5°	5340.2	4464.3	2751.3	2115.5	2030.9	2001.1	2028.6	2012.6	2040.0	2056.0	2030.9
35°	5511.7	4375.1	2518.0	2037.7	1957.7	1969.1	1973.7	1966.8	1978.3	1964.5	1994.3
37.5°	5680.9	4343.0	2303.0	1971.4	1923.4	1923.4	1918.8	1905.1	1928.0	1923.4	1937.1
40°	5895.9	4363.6	2120.1	1900.5	1891.4	1886.8	1868.5	1866.2	1857.1	1859.3	1863.9
42.5°	6083.5	4409.4	2014.9	1854.8	1861.6	1870.8	1836.5	1809.0	1820.5	1797.6	1797.6
45°	6282.4	4450.5	1921.1	1822.8	1815.9	1813.6	1786.2	1770.2	1761.0	1763.3	1783.9
47.5°	6595.8	4510.0	1850.2	1779.3	1783.9	1749.6	1742.7	1722.1	1731.3	1745.0	1747.3
50°	6817.6	4635.8	1795.3	1729.0	1745.0	1722.1	1681.0	1671.8	1671.8	1694.7	1690.1
52.5°	6973.1	4811.9	1742.7	1674.1	1681.0	1662.7	1648.9	1628.4	1614.6	1646.7	1662.7
55°	7448.8	5104.6	1729.0	1628.4	1626.1	1607.8	1582.6	1562.0	1555.2	1559.7	1591.8
57.5°	*7403.1*	*5013.1*	*1685.5*	*1548.3*	*1543.7*	*1518.6*	*1493.4*	*1486.6*	*1484.3*	*1488.8*	*1498.0*
60°	6010.3	3702.7	1504.9	1456.8	1450.0	1445.4	1420.2	1392.8	1379.1	1392.8	1381.4
62.5°	3977.1	2479.1	1326.5	1347.1	1351.6	1340.2	1299.0	1271.6	1276.2	1292.2	1267.0
65°	1953.1	1456.8	1203.0	1257.9	1262.4	1230.4	1191.5	1159.5	1143.5	1157.2	1145.8
67.5°	1116.1	1113.8	1102.3	1159.5	1157.2	1125.2	1063.5	1036.0	1008.6	1013.1	1006.3
70°	946.8	965.1	988.0	1022.3	1020.0	983.4	910.2	889.6	850.8	846.2	834.8
72.5°	745.6	777.6	827.9	853.1	832.5	786.7	738.7	704.4	670.1	649.5	656.4
75°	553.5	599.2	626.6	642.7	610.6	585.5	546.6	505.4	464.3	446.0	439.1
77.5°	402.5	416.2	441.4	452.8	432.2	407.1	384.2	343.1	304.2	279.0	272.2
80°	281.3	290.5	308.7	308.7	308.7	297.3	267.6	226.4	201.3	178.4	173.8
82.5°	196.7	205.8	224.1	215.0	212.7	199.0	180.7	148.7	121.2	105.2	100.6
85°	68.6	75.5	91.5	109.8	116.6	114.4	102.9	82.3	64.0	52.6	48.0
87.5°	16.0	16.0	18.3	16.0	16.0	18.3	16.0	16.0	16.0	11.4	9.1
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)