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: P526497

Luminaire Tested: **GLAN-SA1C-722-U-T2-GRSBK**

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:	P526497
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)
Test Lab:	INNOVATION CENTER
Issue Date:	5/27/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA1C-722-U-T2-GRSBK
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(1) 70 CRI, 2200K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3085 lumens
Efficiency:	N/A
Efficacy:	54.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G0

Input Watts (W):	57
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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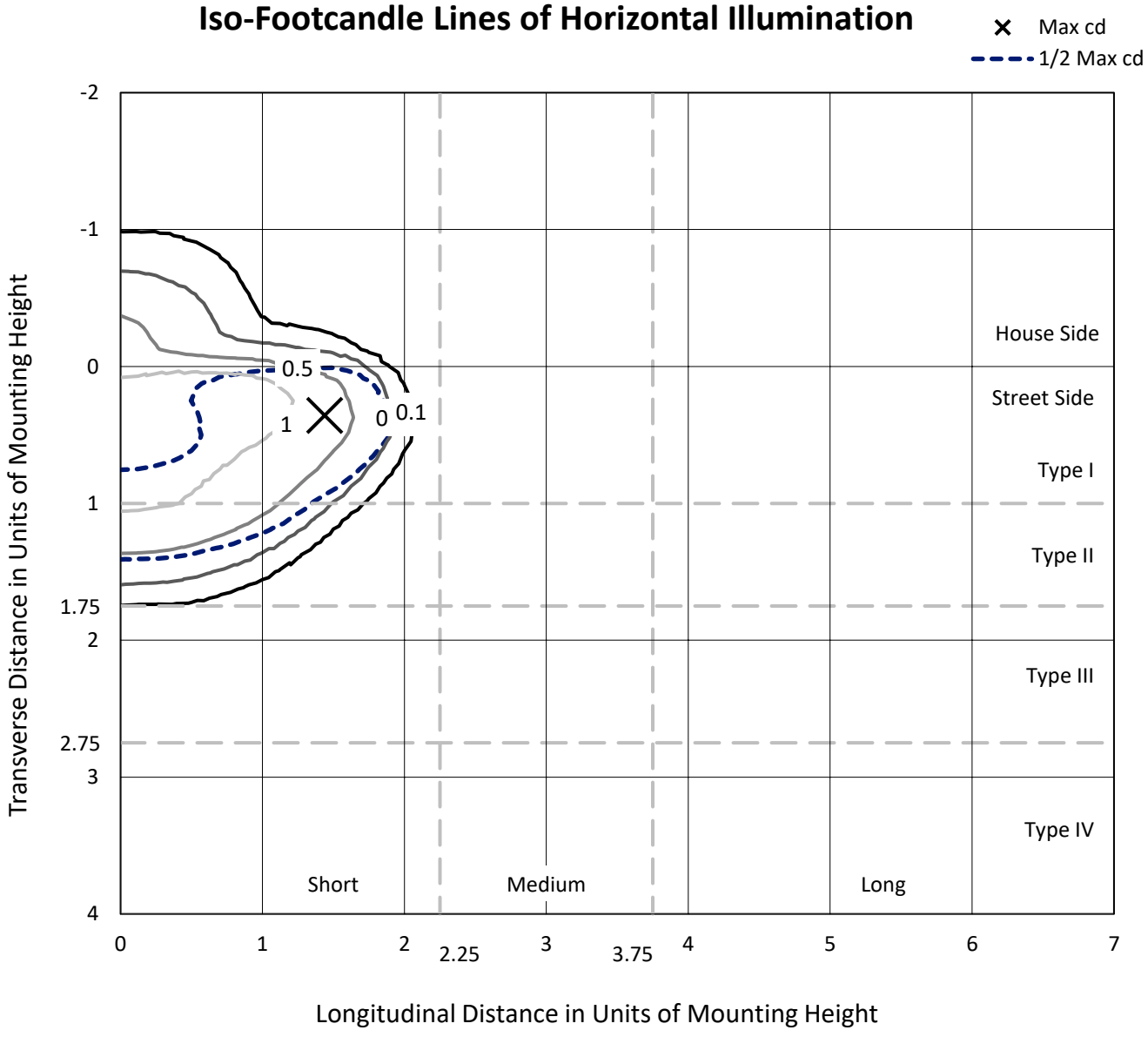
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type II - Short - N/A

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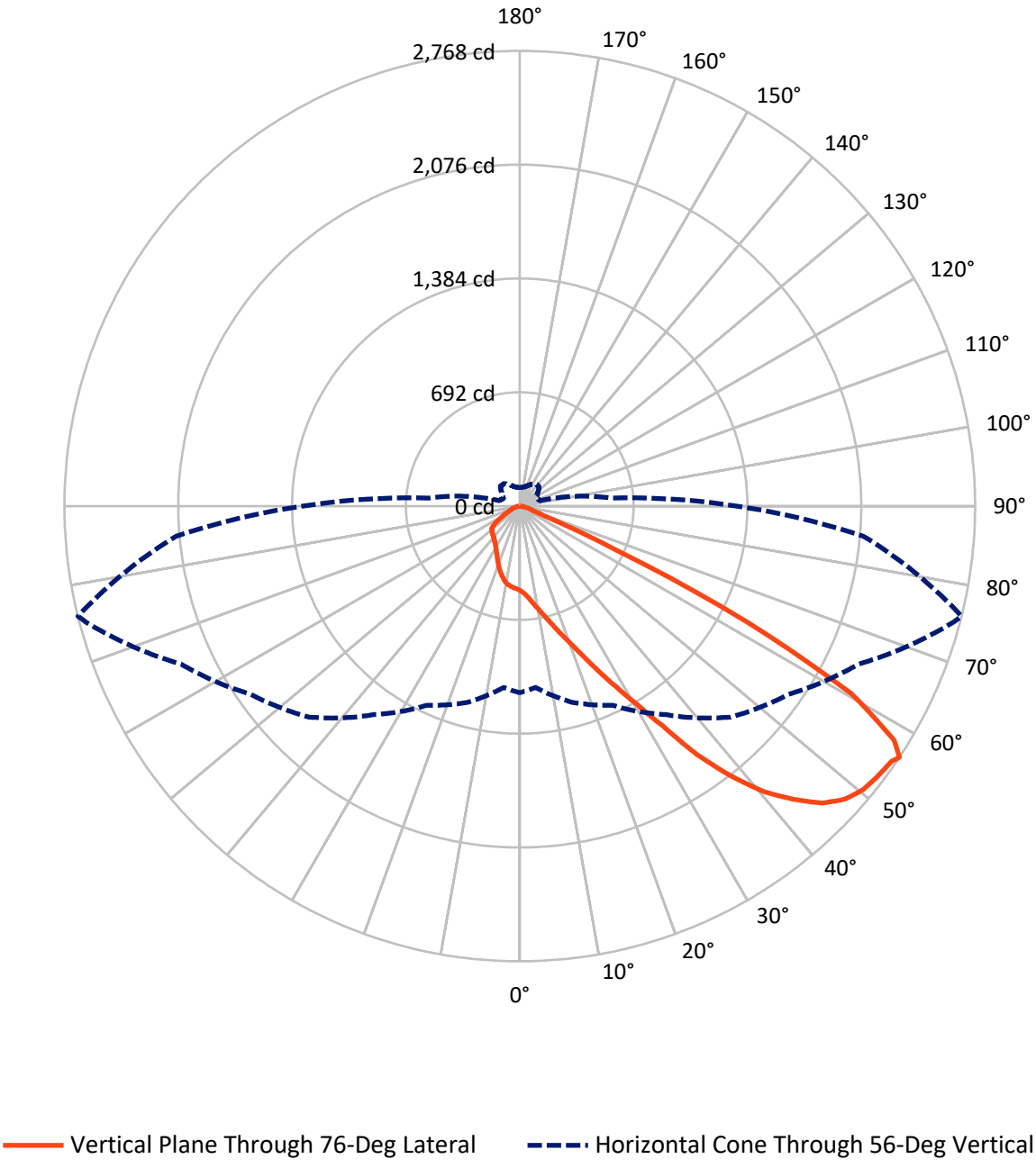
Luminous Intensity Polar Plot



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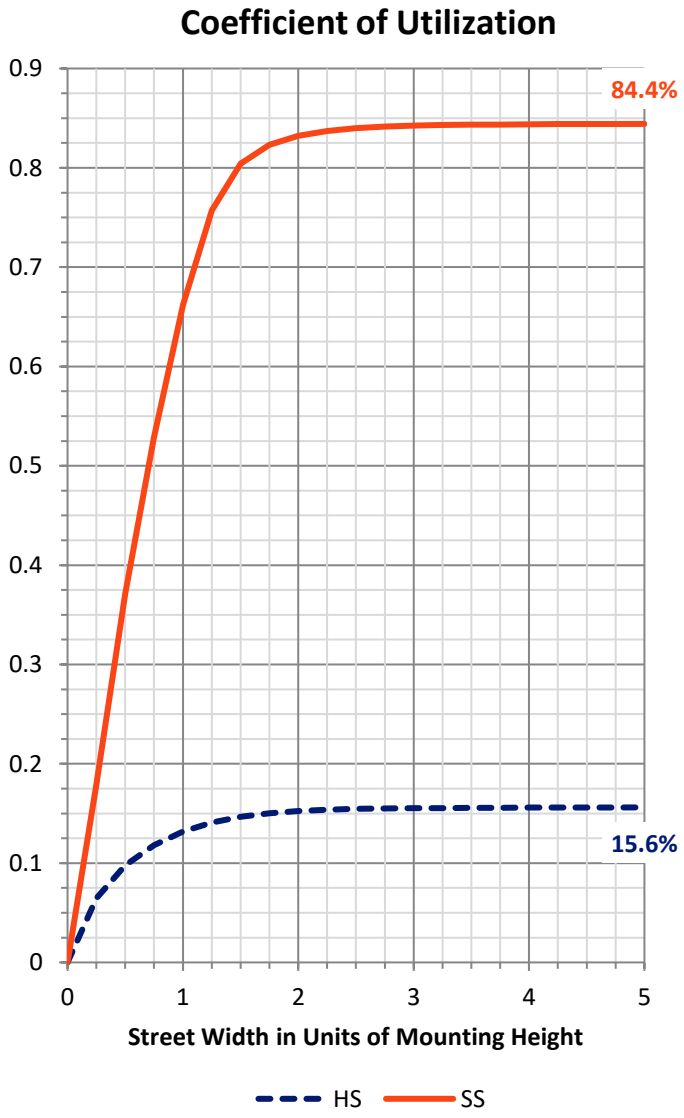
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	484.6	0.0	484.6
	% Fixture	15.7	0.0	15.7
Street Side	Lumens	2600.4	0.0	2600.4
	% Fixture	84.3	0.0	84.3
Total	Lumens	3085.0	0.0	3085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.7
10°-20°	166.2	5.4
20°-30°	301.3	9.8
30°-40°	519.7	16.8
40°-50°	844.2	27.4
50°-60°	889.8	28.8
60°-70°	271.9	8.8
70°-80°	34.8	1.1
80°-90°	5.3	0.2
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°	3085.0	100.0
0°-180°	3085.0	100.0



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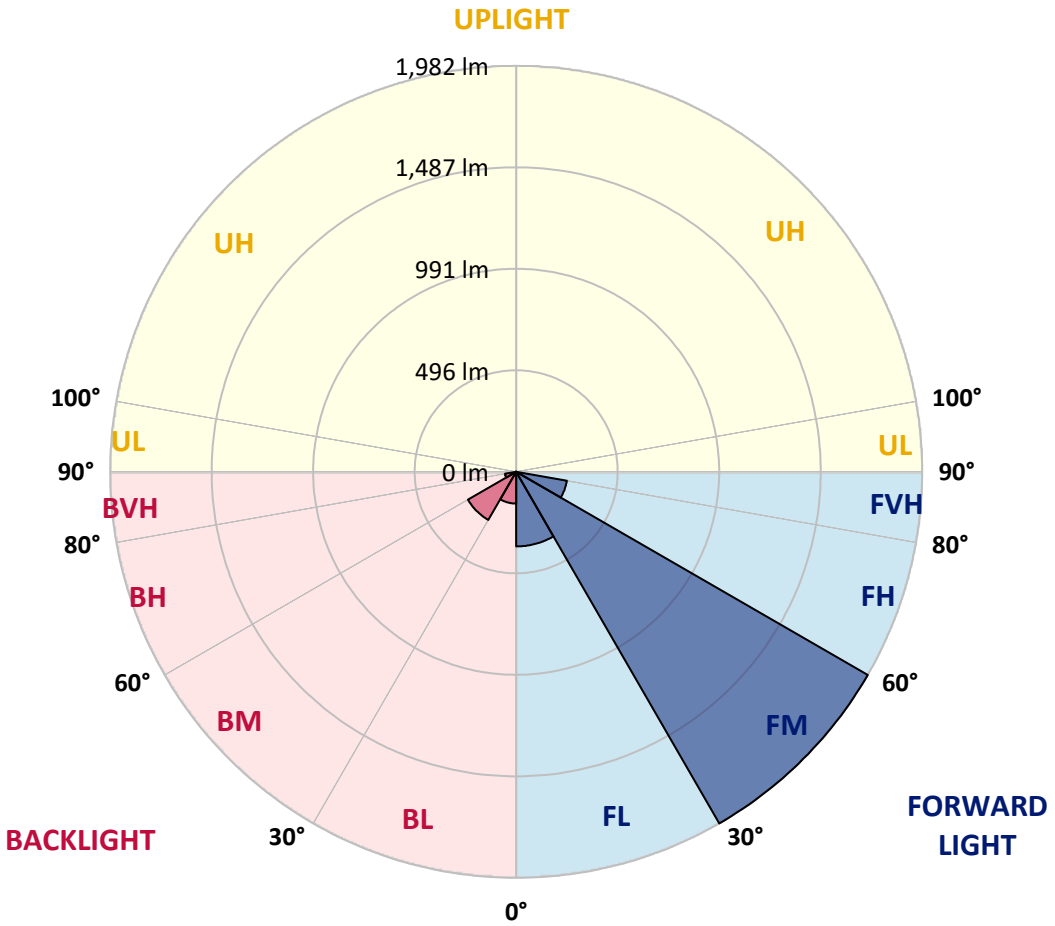
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	364.2	11.8			
FM	(30°-60°)	1982.1	64.2			
FH	(60°-80°)	251.4	8.2			G0/660
FVH	(80°-90°)	2.6	0.1			G0/10
BL	(0°-30°)	155.0	5.0	B1/500		
BM	(30°-60°)	271.6	8.8	B1/1000		
BH	(60°-80°)	55.3	1.8	B0/110		G0/110
BVH	(80°-90°)	2.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	*513.5*	513.5
2.5°	591.4	577.8	578.3	577.2	575.5	569.2	550.5	547.6	535.1	*531.7*	520.3
5°	662.5	650.6	657.4	647.1	637.5	631.8	601.1	586.9	567.0	*559.6*	543.6
7.5°	706.8	701.2	698.9	699.5	690.4	676.1	662.5	631.2	604.5	*598.8*	565.3
10°	728.5	725.0	728.5	726.8	730.7	732.4	708.6	689.8	650.6	*640.9*	588.6
12.5°	733.6	740.4	743.2	750.6	760.3	776.8	775.1	749.5	697.2	*690.9*	624.4
15°	746.1	751.8	748.9	760.9	779.1	806.9	821.7	817.7	761.4	*750.1*	665.9
17.5°	757.5	747.2	756.9	780.8	799.0	841.6	877.4	893.9	831.4	*818.3*	704.0
20°	772.8	770.0	768.3	780.2	812.6	869.5	940.6	970.7	909.9	*896.2*	758.6
22.5°	819.4	820.0	818.9	801.2	824.6	888.8	995.7	1070.2	1003.7	*992.3*	820.6
25°	880.9	873.5	867.8	853.6	850.7	906.4	1051.5	1191.9	1116.3	*1108.3*	887.7
27.5°	945.7	945.7	928.6	915.5	897.4	950.2	1102.6	1310.2	1252.2	*1241.4*	946.3
30°	1016.2	1020.2	1017.9	990.0	978.7	998.0	1155.0	1461.5	1408.0	*1394.4*	1042.9
32.5°	1120.3	1111.7	1121.4	1098.1	1064.5	1081.6	1237.4	1596.8	1610.5	*1591.1*	1169.7
35°	1257.9	1252.8	1246.5	1208.4	1168.6	1182.3	1354.0	1763.4	1864.6	*1855.0*	1297.7
37.5°	1381.3	1378.4	1373.3	1347.2	1301.1	1317.6	1486.5	1936.9	2112.6	*2080.7*	1478.5
40°	1510.9	1526.3	1509.8	1486.5	1444.4	1480.8	1642.3	2039.8	2321.3	*2282.6*	1616.7
42.5°	1686.7	1674.7	1682.1	1639.5	1616.7	1656.5	1798.7	2142.7	2483.4	*2437.3*	1763.4
45°	1873.7	1874.3	1854.4	1840.8	1781.6	1824.8	1894.8	2199.6	2612.4	*2576.6*	1874.3
47.5°	1993.7	1993.2	2014.8	2036.4	1975.5	1932.9	1960.2	2253.6	2679.0	*2662.5*	1914.7
50°	1975.0	1980.7	2008.5	2089.3	2121.1	2063.7	2021.6	2237.7	2709.1	*2707.4*	1949.4
52.5°	1717.9	1736.7	1783.3	1899.9	2060.3	2131.3	2085.9	2267.3	2723.9	*2726.7*	2001.1
55°	1307.9	1318.2	1406.9	1548.5	1725.9	1969.3	2060.3	2290.6	2735.3	*2740.4*	2063.7
56°	*1134.5*	*1107.2*	*1235.1*	*1335.8*	*1547.9*	*1814.0*	*1995.4*	*2272.4*	*2728.4*	*2767.7*	*2095.0*
57.5°	856.4	838.2	941.7	1067.4	1271.5	1552.5	1794.1	2186.5	2682.4	*2681.8*	2050.0
60°	520.9	502.7	582.3	656.2	770.5	955.9	1212.4	1741.2	2267.8	*2315.6*	1659.9
62.5°	309.9	321.3	399.8	444.7	481.7	501.0	627.2	1035.0	1513.2	*1547.3*	1029.8
65°	206.4	210.4	269.5	343.5	360.0	286.6	255.3	419.1	656.2	*635.2*	424.8
67.5°	127.4	136.5	180.8	258.2	286.0	209.3	121.1	156.4	180.8	*180.8*	122.8
70°	77.3	81.9	120.6	175.7	196.2	134.8	88.1	88.1	87.0	*85.3*	73.4
72.5°	37.0	39.8	61.4	90.4	92.1	71.1	68.2	74.5	72.8	*72.2*	60.8
75°	15.9	17.1	21.6	28.4	32.4	30.1	41.5	53.5	55.2	*53.5*	43.8
77.5°	5.1	5.7	8.0	10.2	10.8	13.1	17.6	22.2	25.6	*23.9*	21.6
80°	0.6	1.1	2.3	5.1	8.0	10.2	13.1	14.8	16.5	*16.5*	15.4
82.5°	0.6	0.6	2.3	4.5	7.4	9.7	12.5	14.2	16.5	*17.1*	15.9
85°	0.0	0.6	1.7	4.0	6.3	6.3	5.7	5.7	4.0	*4.0*	4.0
87.5°	0.0	0.0	0.6	0.6	0.6	1.1	1.1	1.1	1.1	*1.1*	1.1
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°	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5	513.5
2.5°	518.1	516.9	501.6	491.9	486.8	476.5	470.3	465.7	462.3	458.3	458.9
5°	524.9	520.9	495.3	477.7	456.6	445.3	435.6	427.6	422.5	421.4	419.1
7.5°	544.2	523.2	484.5	452.7	425.9	414.6	406.0	400.9	403.2	398.1	402.0
10°	559.0	527.7	471.4	425.4	398.6	390.1	385.6	389.5	395.2	392.9	390.1
12.5°	577.2	532.3	450.4	399.2	374.2	367.9	375.9	383.3	394.7	399.2	393.5
15°	597.7	537.4	423.7	369.1	353.1	358.3	371.9	385.0	396.4	402.0	405.5
17.5°	622.7	535.7	397.5	345.2	333.2	348.0	364.5	376.5	393.5	402.0	399.8
20°	646.0	530.0	368.5	321.3	321.9	335.5	349.2	368.5	377.6	389.0	385.0
22.5°	668.2	519.8	338.4	304.8	304.8	325.8	332.7	345.2	353.1	358.8	358.3
25°	699.5	500.4	313.3	288.9	295.7	309.4	315.0	319.0	315.6	320.2	320.7
27.5°	721.6	480.5	292.9	274.7	287.2	297.4	295.7	293.4	285.5	279.2	283.2
30°	745.5	457.2	275.2	265.0	271.8	280.9	274.1	267.3	254.8	244.5	245.1
32.5°	779.6	446.4	259.9	253.6	262.7	263.9	256.5	246.2	233.7	224.1	223.5
35°	843.3	439.6	246.8	246.2	247.9	248.5	241.1	228.6	223.5	215.5	218.4
37.5°	907.0	436.2	237.7	235.4	234.9	235.4	226.9	215.0	224.6	224.1	225.2
40°	988.3	451.5	224.6	221.8	222.3	222.3	211.5	208.1	225.2	226.9	227.5
42.5°	1070.8	470.9	216.1	207.0	209.3	209.3	203.6	199.6	211.5	200.2	198.5
45°	1142.4	499.3	207.0	192.2	197.9	200.7	199.0	192.2	184.8	165.5	165.5
47.5°	1165.8	524.3	196.2	178.0	182.5	195.1	189.9	175.7	162.6	146.7	145.6
50°	1206.7	551.6	187.7	161.5	171.2	186.5	181.4	167.2	152.4	141.0	141.6
52.5°	1248.8	582.9	171.7	142.2	154.1	179.7	179.7	163.8	141.0	133.1	131.9
55°	1311.9	581.7	143.3	116.6	137.6	169.5	172.3	146.7	126.2	120.0	120.0
56°	*1321.0*	*555.6*	*129.1*	*109.2*	*130.2*	*166.6*	*167.2*	*142.2*	*120.6*	*113.7*	*113.7*
57.5°	1252.8	501.6	113.2	100.1	121.1	161.5	162.1	138.2	116.0	106.3	105.2
60°	963.9	339.5	94.4	89.3	109.8	145.6	148.4	125.7	101.8	94.4	93.8
62.5°	544.2	188.2	83.0	80.8	94.4	124.0	132.5	109.8	86.4	82.5	83.6
65°	248.5	103.5	69.9	65.4	76.2	95.5	106.9	90.4	71.1	66.5	66.5
67.5°	91.0	70.5	59.7	51.7	53.5	62.0	69.4	58.6	47.2	40.4	42.1
70°	64.8	59.1	52.3	44.9	41.5	40.4	39.8	33.0	23.3	18.2	19.3
72.5°	52.3	48.9	43.8	38.1	32.4	27.3	23.3	17.1	10.8	7.4	6.8
75°	37.5	35.8	31.8	27.3	22.7	19.3	15.9	10.8	5.7	2.8	2.8
77.5°	19.3	19.3	18.8	17.1	14.2	11.4	9.1	6.3	3.4	1.1	1.1
80°	14.8	15.9	16.5	14.8	13.1	10.2	7.4	4.5	2.3	0.6	0.6
82.5°	14.2	16.5	17.6	15.4	13.1	9.7	7.4	4.5	2.3	0.6	0.6
85°	3.4	3.4	5.1	5.7	7.4	8.0	6.3	4.0	1.7	0.6	0.6
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.6	0.6	0.6	0.6	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)