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: P511162

Luminaire Tested: **USSL-P-PA1B-730-U-T3-HSS**

Issue Date: 4/7/2021

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:	P511162
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-6)
Test Lab:	INNOVATION CENTER
Issue Date:	4/7/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	USSL-P-PA1B-730-U-T3-HSS
Description:	PREVAIL AREA AND WALL LUMINAIRE
	(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5069 lumens
Efficiency:	N/A
Efficacy:	96.0 lumens/watt
Luminous Opening:	Rectangular (W 1.04' x L: 0.58' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G2
Input Watts (W):	52.8
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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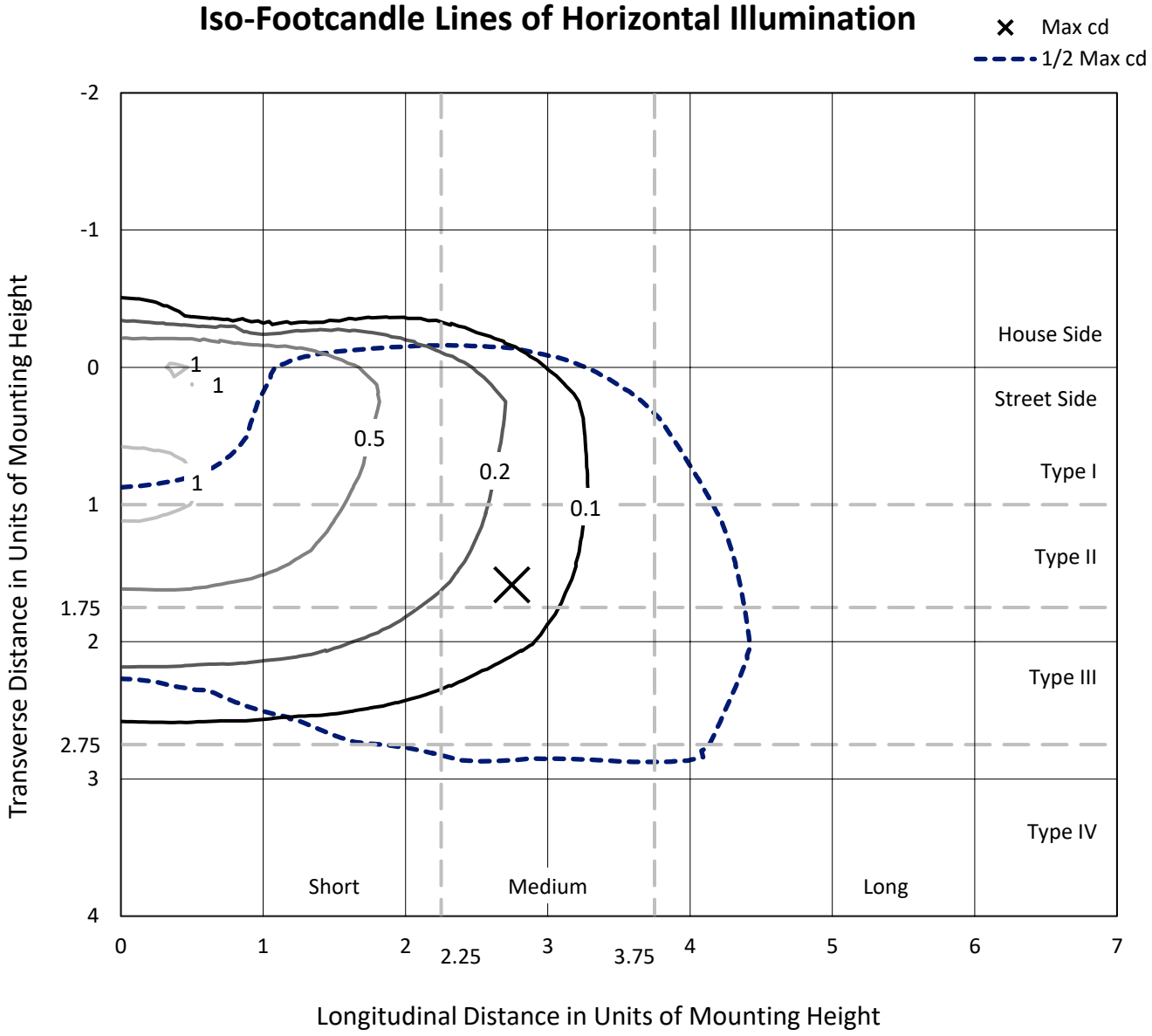
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type IV - Medium - N/A

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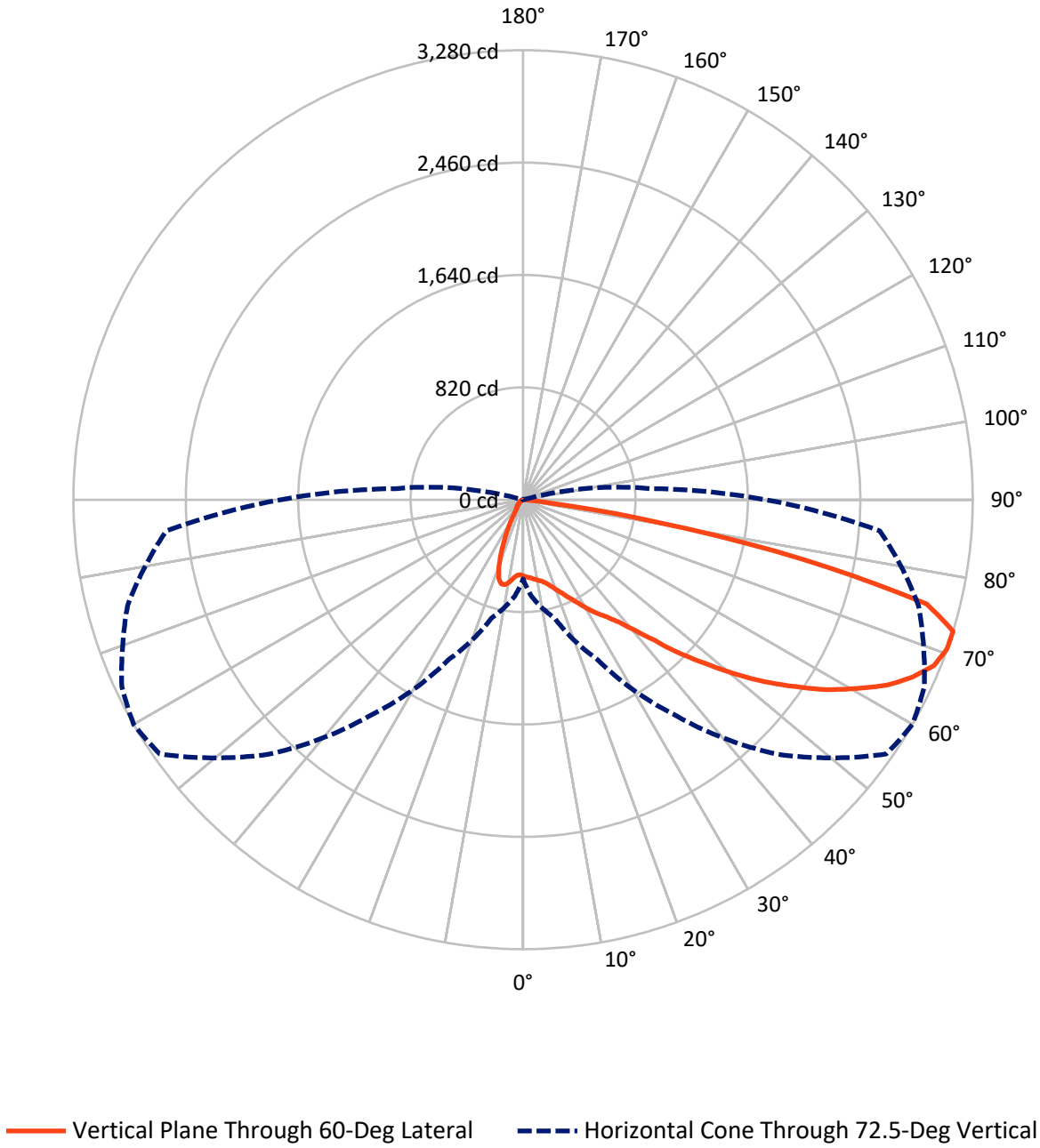
Luminous Intensity Polar Plot



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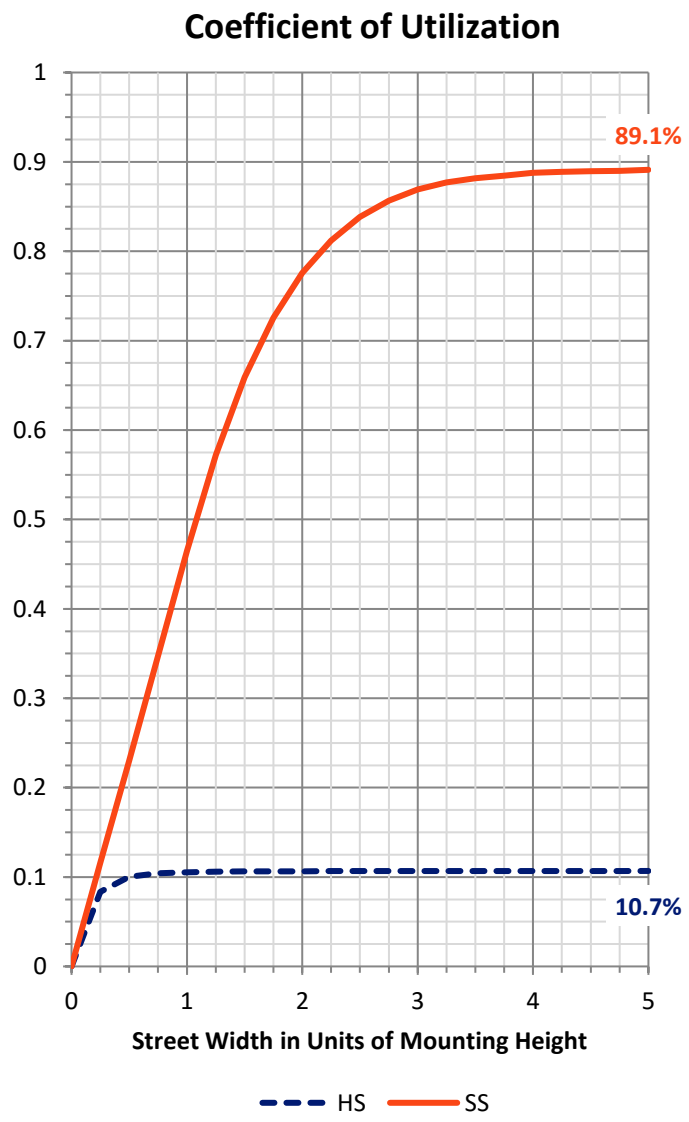
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	546.5	0.0	546.5
	% Fixture	10.8	0.0	10.8
Street Side	Lumens	4522.5	0.0	4522.5
	% Fixture	89.2	0.0	89.2
Total	Lumens	5069.0	0.0	5069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.9	1.1
10°-20°	147.3	2.9
20°-30°	243.1	4.8
30°-40°	429.1	8.5
40°-50°	753.1	14.9
50°-60°	1180.5	23.3
60°-70°	1391.2	27.4
70°-80°	831.2	16.4
80°-90°	39.7	0.8
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°	5069.0	100.0
0°-180°	5069.0	100.0



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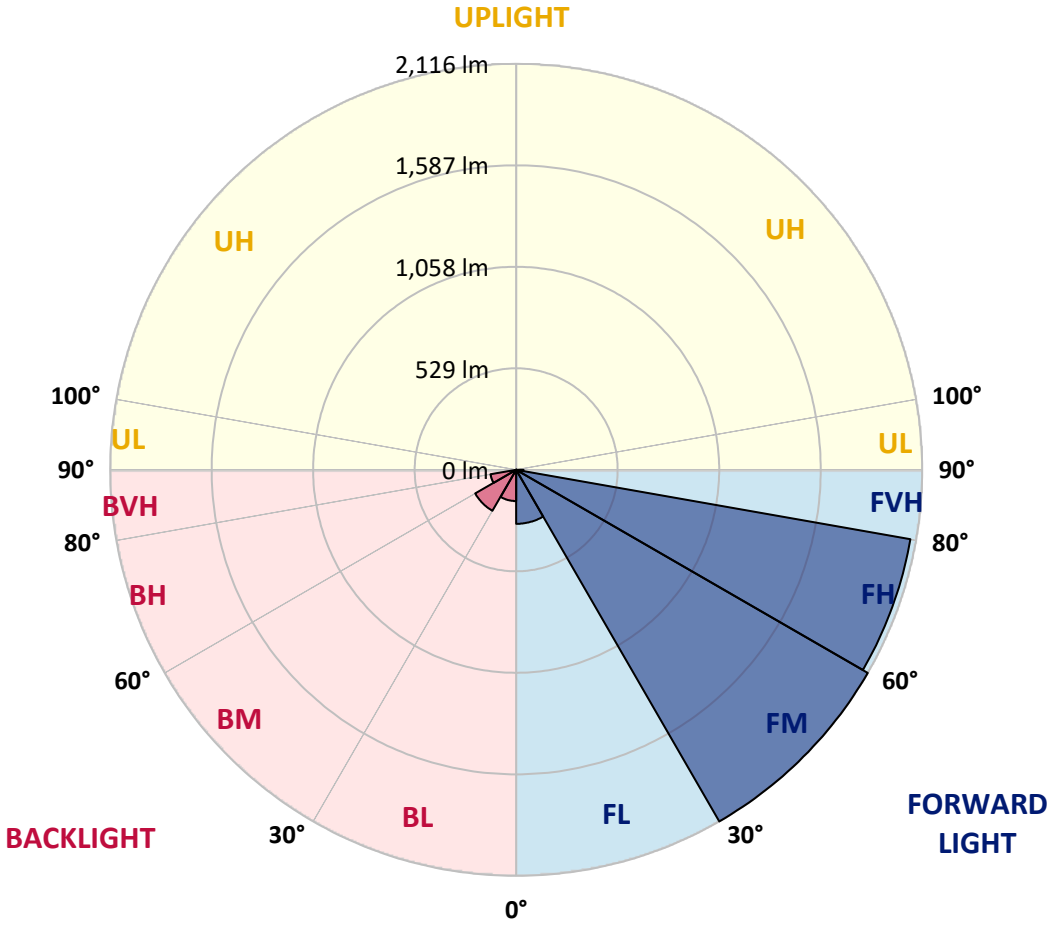
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	281.4	5.6			
FM	(30°-60°)	2116.0	41.7			
FH	(60°-80°)	2086.4	41.2			G2/5000
FVH	(80°-90°)	38.7	0.8			G1/100
BL	(0°-30°)	162.9	3.2	B1/500		
BM	(30°-60°)	246.7	4.9	B1/1000		
BH	(60°-80°)	136.0	2.7	B1/500		G1/500
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	556.6	556.6	556.6	556.6	556.6	556.6	556.6	*556.6*	556.6	556.6	556.6
2.5°	571.5	573.0	567.0	573.0	570.0	570.0	568.5	*565.5*	562.6	561.1	561.1
5°	562.6	562.6	558.1	568.5	571.5	573.0	574.5	*573.0*	574.5	567.0	567.0
7.5°	519.4	520.9	525.4	538.8	552.1	568.5	584.9	*584.9*	587.9	589.4	586.4
10°	506.0	506.0	506.0	523.9	535.8	564.1	586.4	*596.8*	604.2	610.2	617.6
12.5°	501.5	500.1	506.0	526.8	544.7	568.5	599.8	*610.2*	622.1	640.0	650.4
15°	501.5	501.5	503.0	526.8	552.1	584.9	616.1	*631.0*	644.4	669.7	684.6
17.5°	514.9	513.5	514.9	534.3	558.1	601.3	648.9	*663.8*	678.6	702.5	724.8
20°	528.3	526.8	525.4	546.2	570.0	620.6	678.6	*701.0*	726.3	744.1	763.5
22.5°	552.1	550.7	544.7	558.1	584.9	644.4	715.9	*745.6*	770.9	788.8	805.2
25°	634.0	629.5	608.7	593.8	613.2	668.2	754.5	*796.2*	827.5	840.9	849.8
27.5°	778.4	784.3	738.2	678.6	653.3	703.9	800.7	*851.3*	885.5	895.9	885.5
30°	979.3	970.3	913.8	833.4	747.1	748.6	861.7	*921.2*	961.4	965.9	939.1
32.5°	1156.4	1154.9	1095.4	1007.6	878.1	827.5	912.3	*986.7*	1034.3	1034.3	989.7
35°	1311.2	1303.7	1248.7	1174.2	1050.7	942.1	977.8	*1049.2*	1110.2	1107.3	1053.7
37.5°	1433.2	1430.2	1397.5	1329.0	1226.3	1093.9	1064.1	*1132.6*	1212.9	1208.5	1143.0
40°	1562.7	1565.7	1555.2	1486.8	1379.6	1274.0	1202.5	*1250.1*	1329.0	1335.0	1266.5
42.5°	1726.4	1730.8	1710.0	1644.5	1549.3	1457.0	1391.5	*1399.0*	1474.9	1483.8	1387.1
45°	1925.8	1924.3	1900.5	1838.0	1745.7	1656.4	1607.3	*1595.4*	1631.1	1652.0	1553.7
47.5°	2079.1	2082.1	2083.6	2061.2	1967.5	1905.0	1826.1	*1782.9*	1823.1	1835.0	1718.9
50°	2201.1	2244.3	2227.9	2250.3	2207.1	2169.9	2044.9	*1995.8*	2025.5	2040.4	1909.4
52.5°	2288.9	2323.2	2341.0	2408.0	2422.9	2455.6	2265.1	*2205.6*	2213.0	2222.0	2082.1
55°	2259.2	2280.0	2379.7	2498.8	2623.8	2729.5	2461.6	*2408.0*	2406.5	2409.5	2294.9
57.5°	2171.4	2202.6	2373.8	2524.1	2763.7	2918.5	2675.9	*2616.4*	2616.4	2571.7	2513.7
60°	2065.7	2085.1	2296.4	2512.2	2839.6	3037.5	2845.6	*2796.4*	2795.0	2733.9	2750.3
62.5°	1936.2	1946.6	2129.7	2437.8	2808.4	3028.6	3012.2	*2981.0*	2966.1	2869.4	2936.3
65°	1769.5	1771.0	1927.3	2296.4	2723.5	3012.2	3119.4	*3120.9*	3110.5	2991.4	3098.6
67.5°	1500.2	1529.9	1663.9	2058.3	2568.7	2976.5	3186.4	*3231.0*	3214.6	3067.3	3128.3
70°	1150.4	1187.6	1364.7	1708.5	2330.6	2885.7	3245.9	*3277.2*	3251.9	3077.7	3019.7
72.5°	*578.9*	*706.9*	*895.9*	*1287.3*	*1909.4*	*2626.8*	*3235.5*	*3280.1*	*3229.5*	*2986.9*	*2611.9*
75°	95.2	105.7	241.1	593.8	1198.1	2105.9	2997.4	*3040.5*	2961.6	2491.4	1690.7
77.5°	59.5	64.0	98.2	250.0	407.8	1019.5	2147.6	*2077.6*	2074.6	1491.2	720.3
80°	35.7	37.2	52.1	113.1	218.8	215.8	1041.8	*992.7*	893.0	384.0	147.3
82.5°	20.8	22.3	38.7	58.0	120.5	72.9	159.2	*206.9*	221.8	77.4	29.8
85°	1.5	1.5	11.9	26.8	28.3	16.4	19.3	*32.7*	29.8	37.2	13.4
87.5°	0.0	0.0	0.0	1.5	3.0	3.0	4.5	*4.5*	4.5	6.0	4.5
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°	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6	556.6
2.5°	556.6	559.6	552.1	550.7	544.7	546.2	547.7	546.2	546.2	547.7	549.2
5°	564.1	562.6	556.6	555.1	550.7	553.6	555.1	556.6	559.6	558.1	558.1
7.5°	581.9	583.4	577.4	577.4	574.5	574.5	571.5	568.5	567.0	564.1	570.0
10°	616.1	617.6	613.2	611.7	605.7	592.3	565.5	532.8	498.6	485.2	489.6
12.5°	647.4	656.3	650.4	645.9	622.1	565.5	470.3	386.9	337.8	308.1	311.0
15°	684.6	692.0	689.1	672.7	598.3	453.9	317.0	226.2	190.5	171.2	177.1
17.5°	723.3	730.7	724.8	684.6	520.9	311.0	184.5	138.4	129.5	125.0	126.5
20°	765.0	772.4	759.0	656.3	397.4	195.0	125.0	119.1	117.6	117.6	117.6
22.5°	806.6	814.1	793.2	592.3	273.8	128.0	114.6	111.6	110.1	107.2	108.6
25°	842.4	858.7	817.1	498.6	166.7	111.6	107.2	104.2	99.7	96.7	98.2
27.5°	884.0	898.9	809.6	384.0	117.6	104.2	98.2	92.3	87.8	84.8	84.8
30°	931.7	946.5	773.9	251.5	102.7	95.2	87.8	80.4	72.9	69.9	69.9
32.5°	980.8	992.7	715.9	153.3	92.3	84.8	75.9	65.5	58.0	53.6	53.6
35°	1044.8	1046.2	645.9	102.7	81.9	72.9	62.5	52.1	43.2	40.2	40.2
37.5°	1129.6	1119.2	559.6	84.8	71.4	61.0	49.1	38.7	32.7	29.8	31.3
40°	1244.2	1196.6	458.4	74.4	62.5	50.6	37.2	28.3	23.8	23.8	23.8
42.5°	1364.7	1275.4	346.8	68.5	55.1	40.2	26.8	20.8	19.3	19.3	19.3
45°	1507.6	1351.3	226.2	61.0	46.1	31.3	19.3	14.9	14.9	16.4	16.4
47.5°	1650.5	1418.3	135.4	53.6	38.7	23.8	14.9	11.9	11.9	13.4	14.9
50°	1811.2	1476.4	90.8	47.6	32.7	17.9	11.9	10.4	10.4	13.4	13.4
52.5°	1973.4	1512.1	71.4	40.2	25.3	14.9	10.4	8.9	8.9	11.9	11.9
55°	2110.4	1541.8	61.0	34.2	19.3	11.9	10.4	8.9	8.9	10.4	11.9
57.5°	2241.3	1552.3	52.1	28.3	14.9	11.9	8.9	7.4	7.4	10.4	10.4
60°	2345.5	1544.8	44.6	22.3	13.4	10.4	7.4	6.0	6.0	8.9	10.4
62.5°	2416.9	1519.5	34.2	16.4	11.9	10.4	7.4	4.5	6.0	7.4	8.9
65°	2454.1	1465.9	25.3	13.4	10.4	8.9	6.0	4.5	4.5	6.0	6.0
67.5°	2385.7	1381.1	19.3	10.4	8.9	8.9	6.0	3.0	3.0	4.5	4.5
70°	2193.7	1254.6	16.4	8.9	7.4	7.4	4.5	3.0	1.5	3.0	3.0
72.5°	*1769.5*	*931.7*	*13.4*	*7.4*	*6.0*	*6.0*	*4.5*	*1.5*	*1.5*	*1.5*	*3.0*
75°	1082.0	305.1	8.9	6.0	4.5	4.5	3.0	1.5	1.5	1.5	1.5
77.5°	422.7	75.9	6.0	3.0	3.0	3.0	1.5	1.5	0.0	1.5	1.5
80°	78.9	14.9	3.0	3.0	1.5	1.5	1.5	0.0	0.0	1.5	1.5
82.5°	19.3	4.5	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0	1.5
85°	6.0	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	3.0	3.0	1.5	1.5	1.5	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)