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: P269797

Luminaire Tested: **GAP-AF-01-LED-U-SL3-7027-800-HSS**

Issue Date: 3/3/2020

Report Generated By E9812814

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P269797
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24289)
Test Lab:	INNOVATION CENTER P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GAP-AF-01-LED-U-SL3-7027-800-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3812.1 lumens
Efficiency:	N/A
Efficacy:	86.6 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short - Non-Cutoff
BUG Rating:	B0 - U0 - G1

Input Watts (W):	44
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:	28.75 FT

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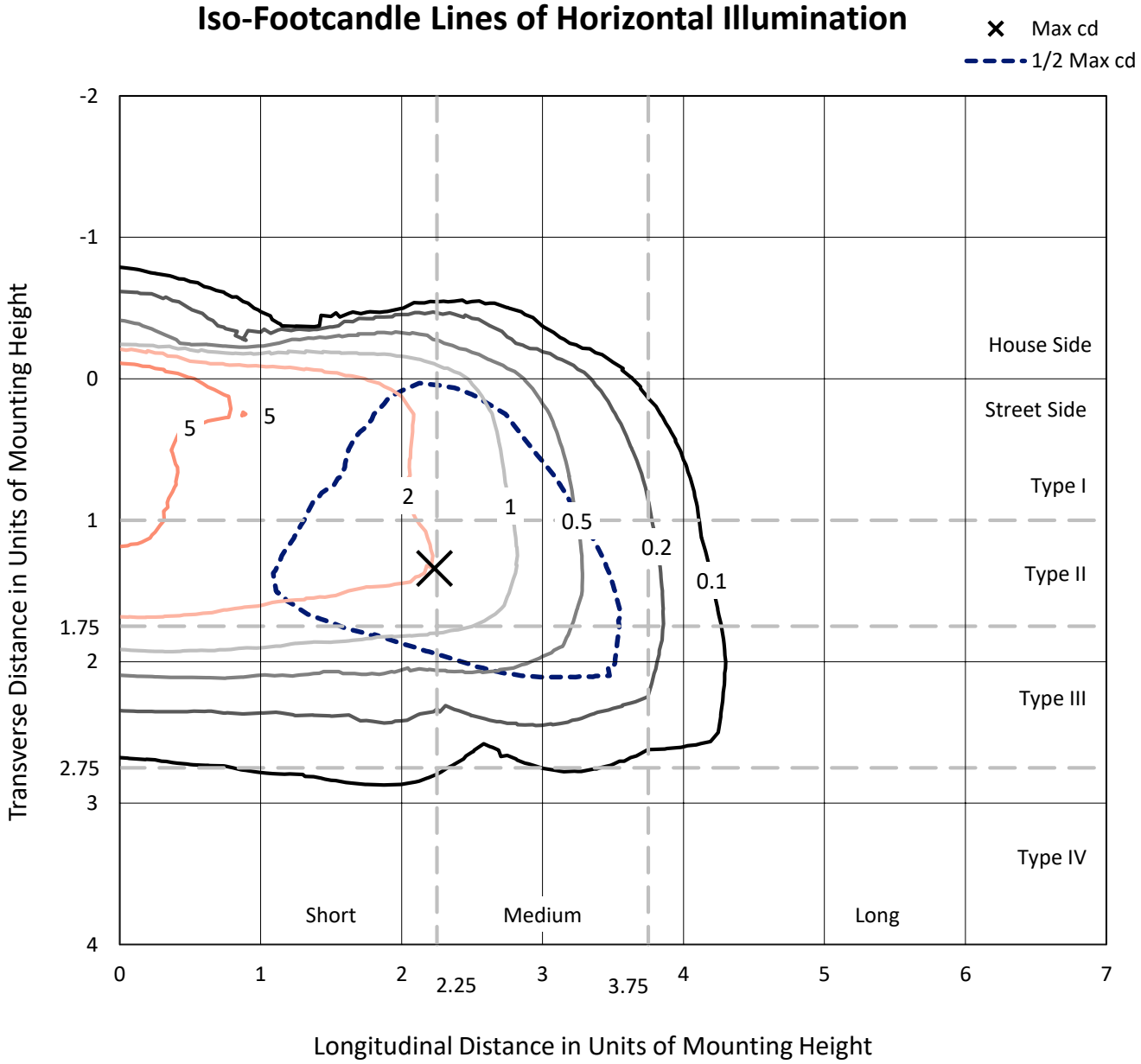
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 10 fc
Type III - Short - Non-Cutoff

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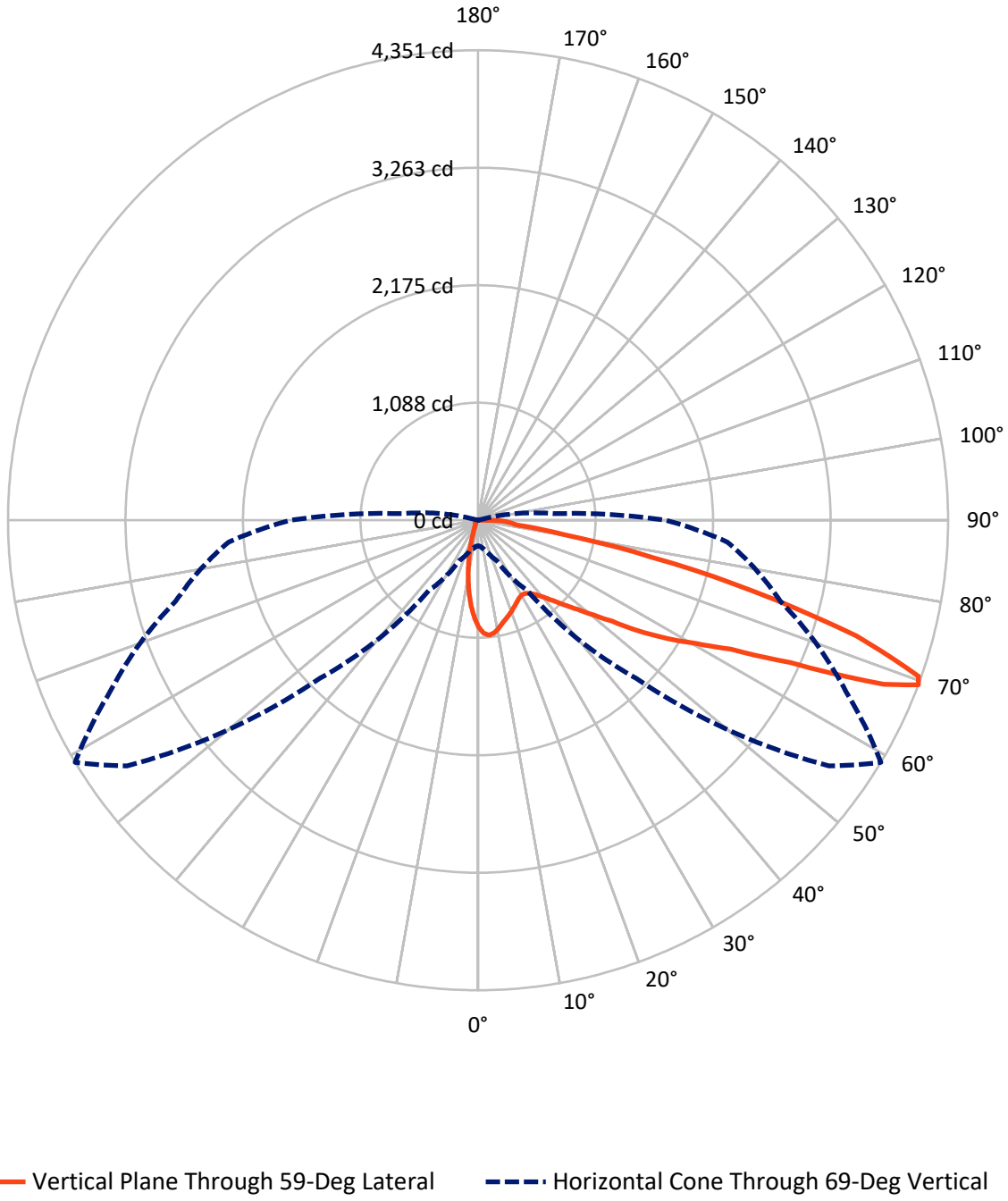
Luminous Intensity Polar Plot



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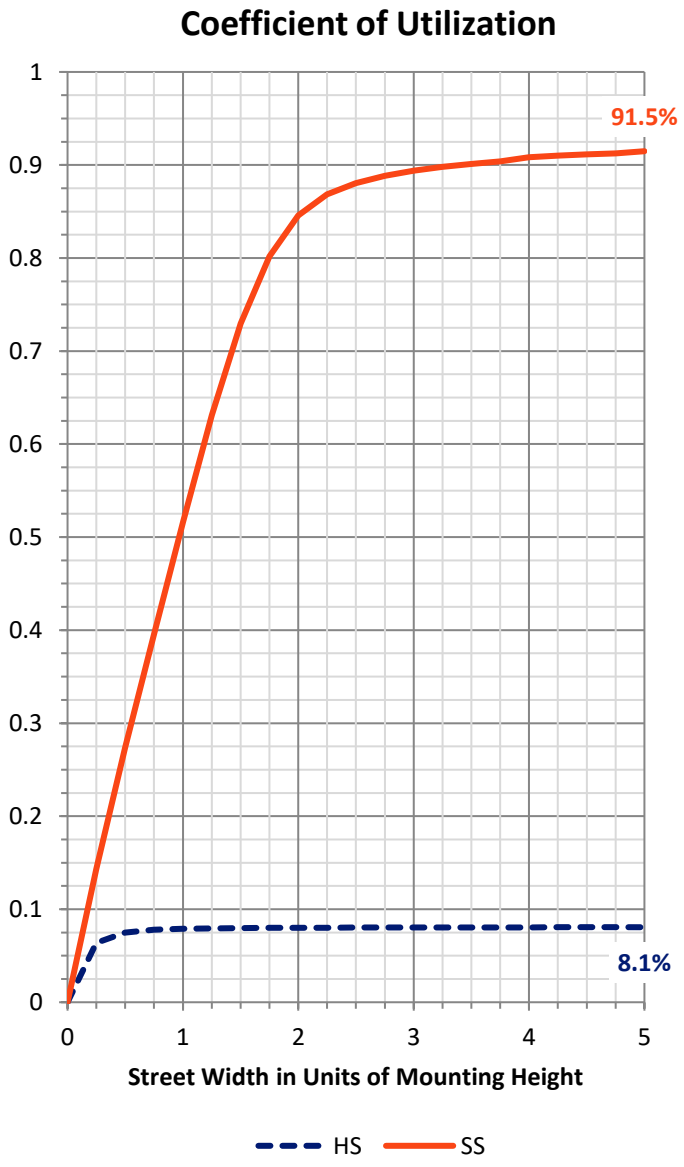
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	310.4	0.0	310.4
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3501.6	0.0	3501.6
	% Fixture	91.9	0.0	91.9
Total	Lumens	3812.1	0.0	3812.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	2.1
10°-20°	166.4	4.4
20°-30°	223.9	5.9
30°-40°	325.1	8.5
40°-50°	541.4	14.2
50°-60°	844.5	22.2
60°-70°	1045.1	27.4
70°-80°	529.6	13.9
80°-90°	55.4	1.5
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°	3812.1	100.0
0°-180°	3812.1	100.0



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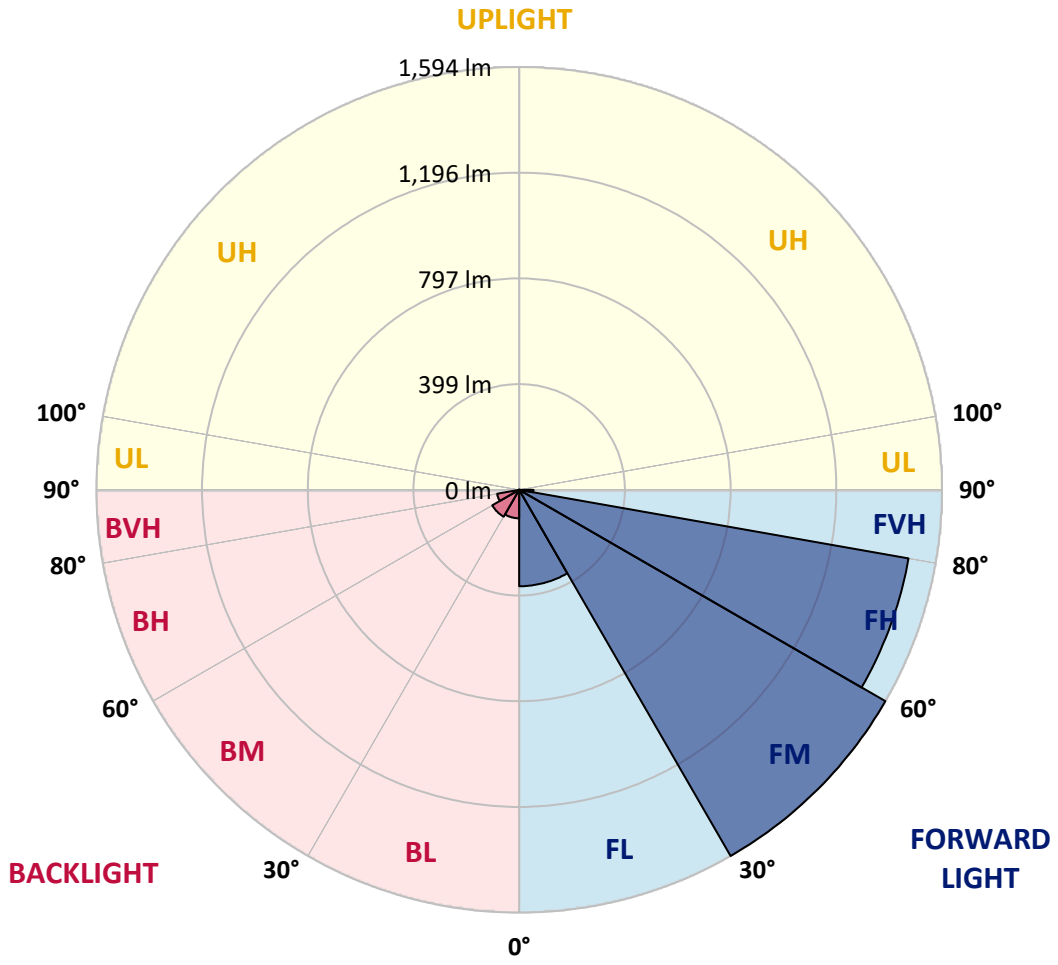
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	363.4	9.5			
FM	(30°-60°)	1594.1	41.8			
FH	(60°-80°)	1490.4	39.1			G1/1800
FVH	(80°-90°)	53.7	1.4			G1/100
BL	(0°-30°)	107.5	2.8	B0/110		
BM	(30°-60°)	117.0	3.1	B0/220		
BH	(60°-80°)	84.3	2.2	B0/110		G0/110
BVH	(80°-90°)	1.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	992.3	992.3	992.3	992.3	992.3	992.3	992.3	*992.3*	992.3	992.3	992.3
2.5°	1087.5	1087.0	1082.4	1080.2	1076.3	1068.2	1055.4	*1048.7*	1037.9	1019.1	994.0
5°	1077.5	1082.7	1085.6	1085.8	1088.6	1085.6	1074.2	*1068.5*	1053.6	1023.4	978.3
7.5°	1010.4	1012.3	1020.3	1027.1	1040.4	1053.3	1057.3	*1055.0*	1046.2	1013.7	953.6
10°	938.3	940.3	949.8	958.9	976.9	996.5	1017.2	*1021.6*	1025.2	1000.1	929.9
12.5°	876.2	878.3	888.0	899.7	920.9	945.0	977.1	*984.3*	1000.4	986.9	911.1
15°	822.8	823.7	833.2	847.8	873.1	904.1	940.4	*951.9*	976.6	977.5	894.4
17.5°	777.4	779.5	785.3	799.3	826.9	865.2	907.7	*924.0*	953.2	969.8	878.3
20°	749.5	751.6	751.4	759.2	784.0	825.0	874.9	*894.6*	929.9	961.8	863.8
22.5°	744.2	744.2	738.4	737.5	752.2	786.3	841.0	*864.9*	909.1	958.4	853.6
25°	763.3	762.4	748.5	737.0	737.7	758.1	807.9	*836.4*	891.4	960.7	848.2
27.5°	803.9	802.7	785.1	763.3	745.9	745.7	783.0	*813.5*	877.4	972.0	850.3
30°	859.9	859.5	840.3	812.8	781.2	752.2	774.2	*802.0*	868.3	992.3	855.4
32.5°	921.1	920.5	906.0	877.1	837.0	781.2	783.3	*806.7*	870.8	1019.1	867.5
35°	986.0	984.9	978.7	953.5	909.3	834.9	813.1	*831.2*	887.3	1059.6	891.1
37.5°	1056.2	1057.3	1061.8	1037.7	991.4	910.2	862.9	*875.2*	920.3	1114.3	929.7
40°	1159.9	1159.7	1161.1	1129.6	1085.0	1002.1	932.5	*936.5*	975.4	1186.9	988.3
42.5°	1348.1	1335.1	1295.0	1230.4	1185.7	1107.3	1020.3	*1016.2*	1042.9	1276.9	1070.5
45°	1601.0	1572.9	1469.4	1345.5	1288.2	1225.8	1128.2	*1115.1*	1132.1	1384.7	1171.7
47.5°	1818.4	1789.3	1643.0	1465.3	1397.0	1338.5	1254.8	*1231.0*	1236.6	1505.6	1300.2
50°	1892.4	1878.1	1750.3	1569.7	1502.4	1480.0	1401.5	*1372.7*	1364.7	1645.5	1449.2
52.5°	1866.8	1865.7	1780.5	1637.4	1599.1	1626.7	1586.2	*1552.9*	1523.5	1793.0	1600.8
55°	1825.5	1830.9	1792.8	1696.7	1695.5	1760.5	1839.0	*1811.2*	1726.3	1953.3	1731.5
57.5°	1712.0	1735.0	1785.9	1808.7	1861.7	1928.4	2049.4	*2065.7*	1965.3	2075.9	1839.8
60°	1389.0	1439.8	1606.2	1824.9	2076.3	2242.3	2303.3	*2317.3*	2161.4	2177.9	1986.2
62.5°	986.0	1037.7	1248.7	1618.8	2079.5	2654.6	2681.6	*2626.6*	2377.5	2328.9	2238.5
65°	523.4	563.2	735.7	1168.5	1803.0	2750.3	3343.1	*3179.3*	2758.5	2626.1	2564.8
67.5°	267.8	279.8	348.4	572.0	1239.5	2443.0	3936.2	*4051.4*	3415.4	2921.1	2549.0
69°	*237.0*	*244.0*	*289.6*	*413.4*	*793.7*	*2069.2*	*3965.1*	*4350.9*	*3759.1*	*2896.6*	*2316.4*
70°	229.3	235.6	276.9	374.2	620.4	1735.3	3854.4	*4324.6*	3847.1	2802.9	2142.6
72.5°	194.7	200.1	246.7	330.7	504.2	861.4	3131.0	*3664.5*	3452.2	2335.0	1551.0
75°	130.3	148.0	236.8	309.9	469.0	489.3	2064.2	*2648.2*	2460.0	1574.9	807.9
77.5°	31.3	33.6	66.8	246.7	429.0	430.6	1061.6	*1646.2*	1342.7	561.4	191.0
80°	16.8	16.2	18.8	49.0	399.4	404.1	477.9	*799.1*	479.4	93.2	62.9
82.5°	11.9	11.1	12.0	20.5	125.7	368.1	345.8	*361.7*	198.7	35.8	28.2
85°	4.3	4.1	6.6	18.5	39.4	211.7	355.2	*298.3*	161.1	16.3	20.8
87.5°	1.4	1.3	2.5	10.2	12.0	90.1	219.2	*225.5*	63.4	9.9	9.7
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°	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3	992.3
2.5°	983.4	970.0	945.5	920.3	897.0	868.9	854.8	841.2	835.3	833.2	822.9
5°	955.0	932.4	880.1	827.8	779.5	728.2	694.3	667.3	651.2	643.5	631.1
7.5°	918.4	881.4	802.4	721.5	646.2	572.1	517.2	474.8	445.7	431.7	419.1
10°	883.2	833.7	721.2	611.0	508.9	410.6	334.8	279.8	244.7	228.4	218.2
12.5°	851.5	787.5	643.0	503.6	375.3	260.1	183.1	139.2	117.5	110.0	106.3
15°	823.2	744.8	569.0	401.4	254.1	148.7	100.0	85.2	81.7	81.7	81.2
17.5°	796.4	703.0	497.8	305.5	159.4	91.0	76.0	74.2	74.2	75.0	75.0
20°	770.8	663.0	428.8	219.2	100.4	72.3	68.8	68.4	68.8	69.9	69.9
22.5°	748.8	626.8	364.4	150.5	74.6	65.0	63.4	62.7	62.9	63.6	64.0
25°	732.5	596.3	303.4	102.0	64.1	59.3	57.3	56.2	55.3	55.3	55.9
27.5°	722.1	570.3	244.7	74.2	57.9	53.9	50.8	49.1	47.3	46.2	46.5
30°	714.6	545.8	189.5	60.5	51.7	47.9	43.9	41.1	38.4	37.1	37.5
32.5°	711.7	526.0	141.7	53.4	46.4	42.0	37.3	33.6	30.6	29.6	29.7
35°	719.4	510.2	103.7	48.2	42.0	36.7	31.3	27.2	24.9	24.2	24.3
37.5°	739.1	501.9	77.7	43.9	38.2	32.1	26.1	22.2	20.8	20.8	20.9
40°	776.7	501.7	62.3	41.0	34.8	27.8	21.6	18.8	17.8	18.3	18.5
42.5°	831.4	513.0	54.3	38.2	31.7	23.7	17.8	16.0	15.7	16.2	16.3
45°	906.2	534.0	50.0	35.8	28.4	19.9	15.1	13.8	13.8	14.5	14.6
47.5°	997.8	564.6	46.4	33.3	25.2	16.6	12.9	12.0	12.2	12.9	13.1
50°	1108.1	603.1	42.7	30.8	22.8	13.8	11.1	10.6	10.8	11.7	11.9
52.5°	1233.9	655.1	39.6	28.4	19.9	11.4	9.5	9.1	9.5	10.3	10.6
55°	1341.7	701.7	36.0	26.5	16.0	9.5	7.7	7.7	8.2	9.3	9.5
57.5°	1445.4	750.4	32.8	22.8	12.4	7.5	6.5	6.6	7.4	8.4	8.7
60°	1597.5	832.9	28.8	19.1	9.5	6.0	5.4	5.6	6.5	7.5	7.7
62.5°	1856.0	958.6	25.1	16.0	7.4	4.8	4.3	4.8	5.7	7.0	7.4
65°	2089.2	1009.7	20.5	13.4	5.6	3.7	3.7	4.3	5.6	6.8	7.0
67.5°	1959.3	849.9	16.0	10.6	4.3	2.9	3.1	4.1	5.4	6.8	7.0
69°	*1732.7*	*695.0*	*13.6*	*8.4*	*3.7*	*2.5*	*2.9*	*4.1*	*5.4*	*6.6*	*6.8*
70°	1556.1	586.8	12.0	7.0	3.2	2.5	2.9	4.0	5.4	6.6	6.8
72.5°	1042.3	316.9	9.7	5.2	3.1	2.3	2.3	4.0	5.2	6.5	6.6
75°	448.0	87.6	7.7	3.7	2.5	2.2	2.2	3.7	5.0	6.3	6.6
77.5°	81.9	22.2	6.3	3.2	2.5	2.2	1.9	3.5	4.8	6.0	6.3
80°	32.6	11.0	5.0	2.9	2.3	1.9	1.7	3.2	4.5	5.7	6.0
82.5°	19.7	6.3	4.1	2.5	2.3	1.7	1.4	2.9	4.3	5.6	5.7
85°	16.0	4.3	3.2	2.5	2.2	1.7	1.3	2.5	4.0	5.4	5.6
87.5°	7.7	3.1	3.1	2.3	2.2	1.7	1.3	2.3	3.7	5.2	5.4
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)