

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: P269791

Luminaire Tested: **GAP-AF-01-LED-U-SL2-7027-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269791
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24287)
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-SL2-7027-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5018.3 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 67
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



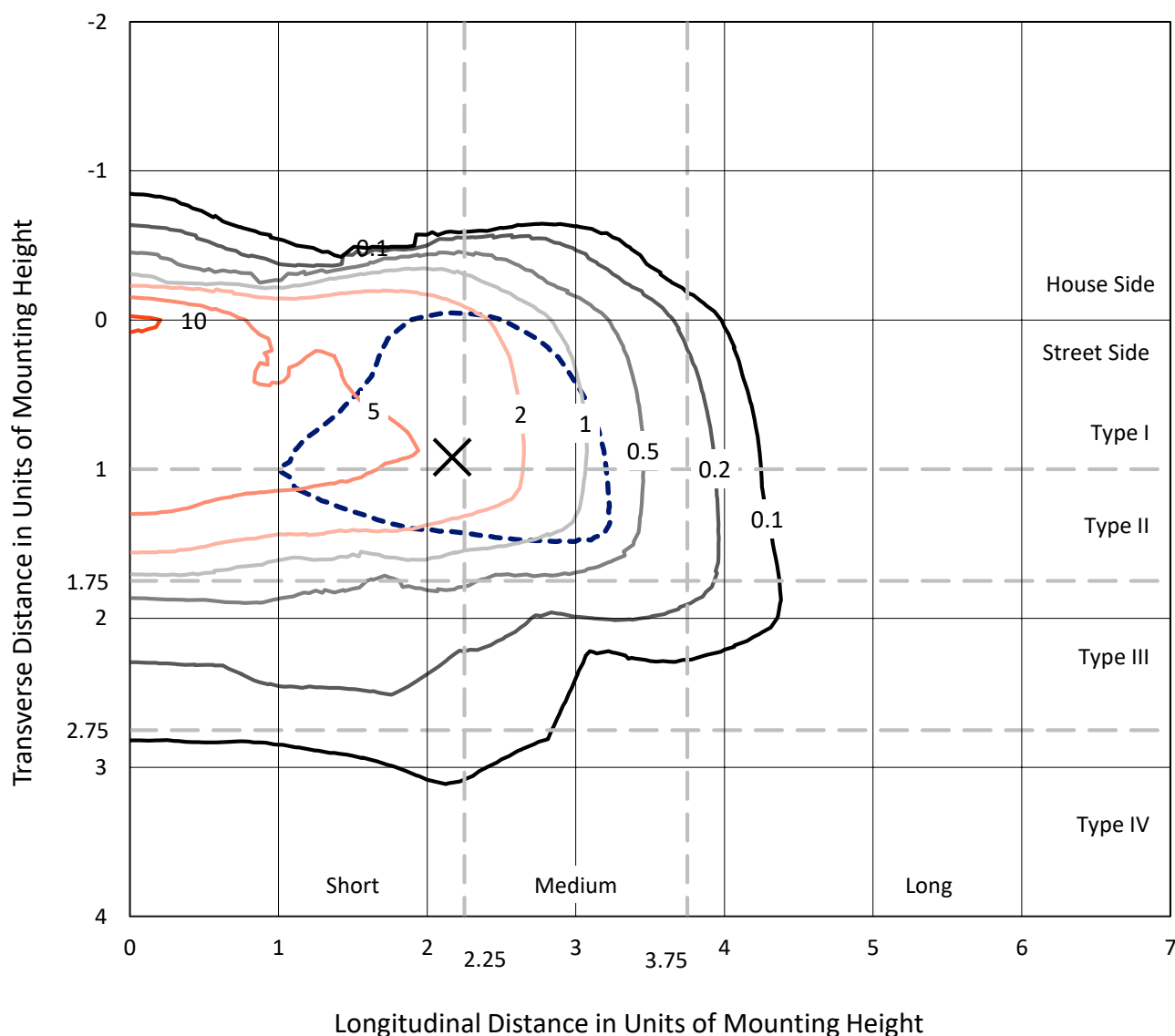
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

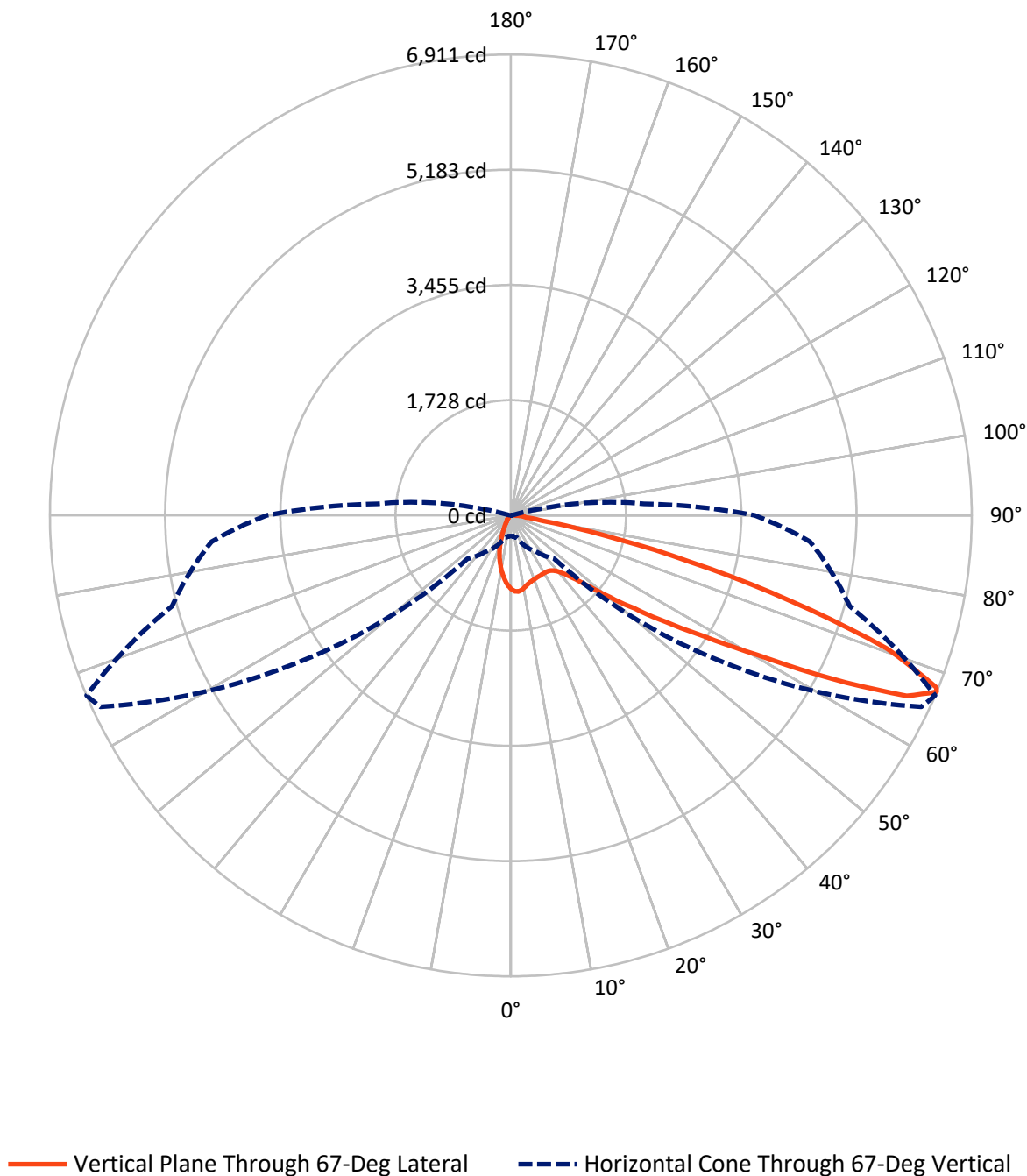


Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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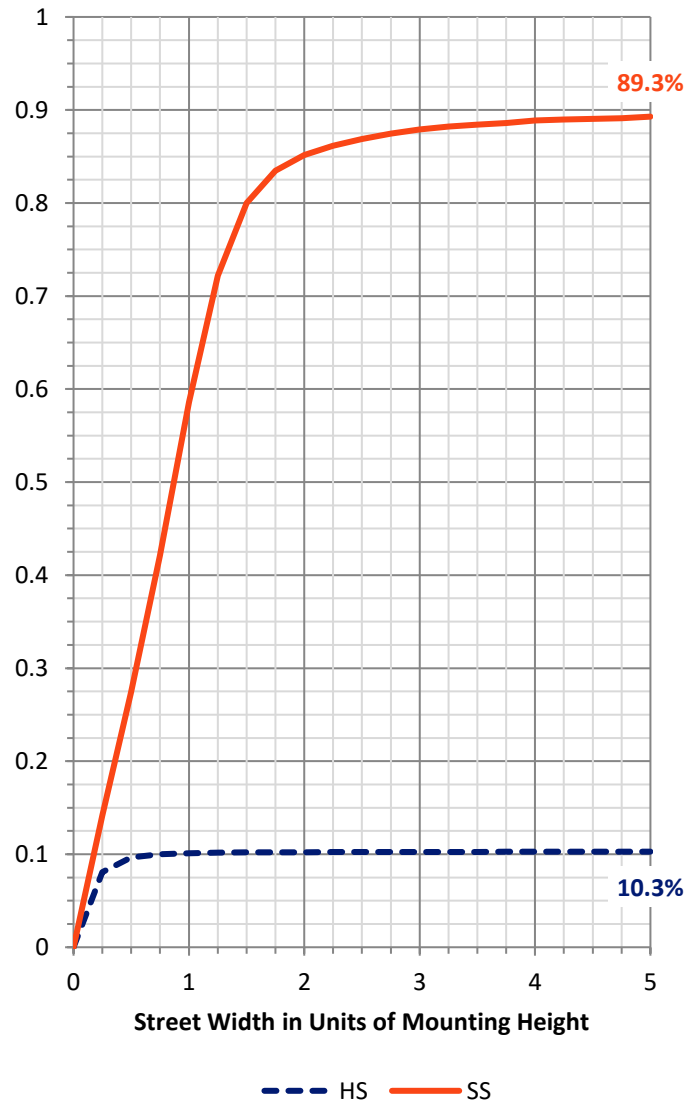
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	521.1	0.0	521.1
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	4497.3	0.0	4497.3
	% Fixture	89.6	0.0	89.6
Total	Lumens	5018.3	0.0	5018.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	1.8
10°-20°	191.7	3.8
20°-30°	278.7	5.6
30°-40°	434.7	8.7
40°-50°	770.1	15.3
50°-60°	1218.6	24.3
60°-70°	1395.7	27.8
70°-80°	579.0	11.5
80°-90°	59.8	1.2
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°	5018.3	100.0
0°-180°	5018.3	100.0

Coefficient of Utilization



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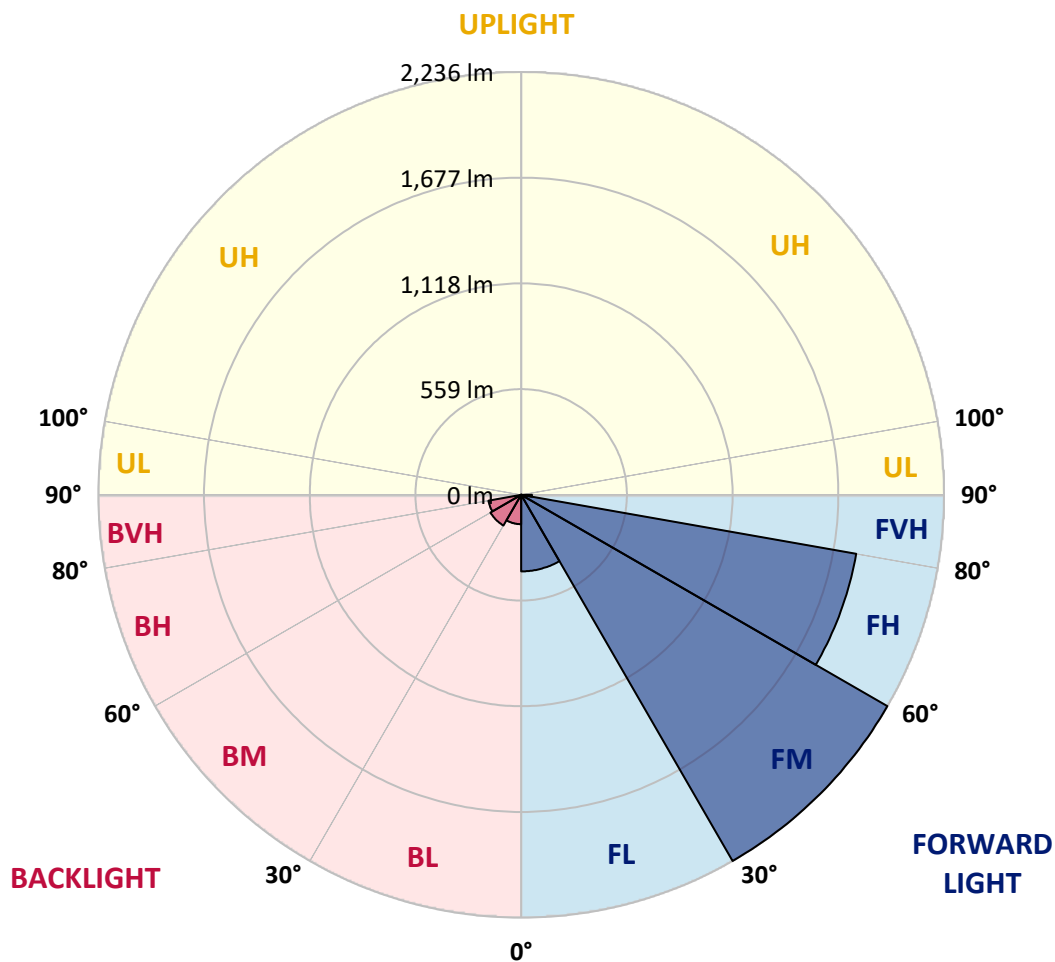
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	404.9	8.1			
FM	(30°-60°)	2236.2	44.6			
FH	(60°-80°)	1799.1	35.9			G1/1800
FVH	(80°-90°)	57.1	1.1			G1/100
BL	(0°-30°)	155.5	3.1	B1/500		
BM	(30°-60°)	187.3	3.7	B0/220		
BH	(60°-80°)	175.6	3.5	B1/500		G1/500
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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7
2.5°	1144.3	1146.5	1146.2	1148.0	1152.0	1152.3	1148.4	1140.4	1138.6	1128.5	1110.6
5°	1055.1	1061.9	1066.1	1082.7	1101.4	1124.0	1140.9	1147.1	1146.2	1139.0	1112.0
7.5°	953.6	960.4	965.0	984.6	1009.5	1048.2	1092.3	1128.7	1132.0	1139.8	1110.8
10°	886.0	887.2	893.6	912.4	938.4	978.0	1030.6	1094.1	1103.7	1132.8	1107.9
12.5°	830.5	831.3	839.7	859.9	887.7	927.6	982.9	1056.3	1071.3	1124.0	1107.3
15°	790.9	794.1	801.7	822.8	852.3	891.8	948.7	1028.6	1046.4	1120.7	1112.6
17.5°	777.8	781.3	783.6	798.9	825.7	864.3	922.6	1010.5	1030.6	1122.5	1122.8
20°	791.4	794.1	788.8	792.7	809.4	843.9	900.7	995.0	1018.9	1124.6	1135.9
22.5°	842.7	843.9	829.6	812.8	809.9	829.0	883.5	982.7	1008.3	1130.2	1151.4
25°	930.6	928.5	905.0	869.0	835.1	826.4	873.2	975.0	1003.0	1135.9	1167.5
27.5°	1036.5	1039.3	1007.2	954.8	890.1	843.9	871.6	971.7	1000.7	1140.0	1181.7
30°	1165.3	1169.4	1132.5	1066.6	973.9	887.2	885.1	971.2	999.4	1137.4	1182.8
32.5°	1296.8	1301.6	1272.7	1204.7	1085.6	959.7	915.6	977.6	1002.1	1128.5	1176.2
35°	1434.2	1441.3	1421.9	1363.7	1237.2	1064.6	969.1	997.3	1016.1	1127.6	1169.4
37.5°	1624.2	1630.7	1594.4	1532.6	1420.8	1205.0	1055.1	1034.0	1048.5	1141.6	1171.1
40°	1907.9	1907.0	1813.3	1718.7	1622.5	1383.6	1176.2	1100.9	1108.1	1184.0	1192.8
42.5°	2216.9	2215.5	2077.1	1933.3	1846.3	1603.5	1335.1	1216.1	1211.3	1262.2	1249.0
45°	2455.2	2454.9	2341.9	2180.0	2116.0	1855.8	1540.6	1376.7	1368.9	1389.1	1352.6
47.5°	2556.8	2558.6	2501.8	2388.0	2414.9	2197.1	1799.6	1609.0	1597.5	1589.5	1533.8
50°	2477.7	2481.3	2486.0	2463.7	2634.1	2655.7	2146.9	1936.6	1930.9	1894.3	1807.5
52.5°	2219.6	2237.5	2292.5	2363.0	2710.1	3096.0	2691.7	2343.4	2313.6	2274.6	2178.8
55°	1784.7	1804.2	1908.8	2079.9	2596.9	3385.2	3455.2	2868.0	2818.3	2702.0	2563.9
57.5°	1181.1	1211.5	1363.2	1580.8	2268.0	3431.6	4216.7	3595.8	3422.6	3104.5	2948.7
60°	650.7	679.9	844.4	1041.8	1638.0	3201.6	4728.9	4543.6	4237.6	3554.4	3416.2
62.5°	400.7	416.5	537.9	721.5	982.3	2526.9	4834.9	5734.7	5380.3	4133.6	3980.7
65°	319.1	325.7	385.3	589.7	704.2	1503.0	4492.8	6642.6	6524.4	4834.9	4486.3
67°	309.6	312.3	340.4	506.4	663.8	921.4	3763.9	6790.5	6910.5	5259.3	4502.1
67.5°	311.7	314.6	341.3	483.3	662.7	846.8	3512.8	6732.3	6883.9	5293.1	4432.1
70°	300.7	309.6	390.8	483.0	630.3	703.6	2103.7	5833.1	5990.8	4918.1	3760.8
72.5°	106.5	107.2	168.9	390.8	685.2	711.3	1056.3	4276.1	4392.9	3762.1	2711.4
75°	63.2	53.9	56.2	111.2	654.8	690.7	609.4	2732.5	2776.0	2155.8	1373.1
77.5°	43.6	38.1	39.3	49.1	249.4	681.2	484.1	1424.9	1378.4	756.1	292.4
80°	24.9	22.0	23.4	42.9	90.8	635.6	456.6	577.8	492.6	128.2	80.8
82.5°	13.1	11.0	13.5	35.5	63.2	396.1	457.4	279.3	221.3	43.3	55.1
85°	4.8	3.9	6.5	24.3	42.1	121.5	424.1	234.7	184.4	21.1	41.9
87.5°	0.9	0.9	2.6	9.9	17.0	37.2	250.8	139.3	93.3	12.5	28.7
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°	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7	1106.7
2.5°	1103.2	1090.6	1073.7	1052.9	1028.3	1006.6	990.6	973.9	970.3	964.5	963.6
5°	1095.9	1074.3	1032.2	983.7	932.4	885.6	848.0	814.4	799.4	786.5	785.1
7.5°	1085.1	1052.5	980.9	902.9	822.5	749.4	687.3	643.4	603.0	583.7	580.8
10°	1072.4	1026.0	923.2	815.2	703.9	600.6	508.4	431.1	384.4	356.4	353.0
12.5°	1060.8	1000.0	864.3	724.2	576.4	438.2	319.6	245.9	196.6	176.7	174.5
15°	1055.1	978.9	809.4	631.1	442.9	279.0	174.7	135.3	119.1	114.4	114.2
17.5°	1054.6	960.9	755.5	534.9	310.3	162.1	113.8	103.9	100.7	99.5	99.5
20°	1054.3	943.9	701.7	435.0	197.0	107.9	94.9	92.4	90.2	88.8	88.8
22.5°	1057.6	928.8	645.4	333.1	124.1	87.6	83.5	81.0	78.2	76.0	75.7
25°	1060.8	917.1	588.0	237.2	89.9	76.0	72.0	68.8	64.7	62.1	61.8
27.5°	1061.3	902.3	526.5	158.6	75.2	66.5	61.2	56.2	51.6	48.9	48.6
30°	1052.5	877.9	458.3	107.2	66.5	57.8	50.7	45.4	41.1	38.9	38.9
32.5°	1035.2	847.5	383.4	80.8	59.1	49.4	41.9	36.9	34.0	33.1	32.8
35°	1019.8	814.7	306.4	68.5	53.0	41.9	34.2	31.0	29.3	28.9	28.7
37.5°	1010.8	788.3	234.2	62.1	47.2	35.2	28.9	26.6	25.7	25.2	25.4
40°	1017.7	766.3	173.1	56.9	41.3	29.3	24.7	23.4	22.5	22.3	22.3
42.5°	1048.5	762.5	128.5	52.1	35.8	24.3	21.4	20.5	19.9	19.7	19.9
45°	1129.3	785.8	99.8	47.7	30.2	20.5	18.1	17.8	17.5	17.5	17.5
47.5°	1250.7	834.3	83.2	42.7	25.2	17.5	15.8	15.5	15.2	15.5	15.5
50°	1456.5	922.6	74.4	37.8	20.8	14.9	13.5	13.5	13.5	13.5	13.7
52.5°	1769.4	1096.6	68.5	32.8	17.0	12.5	11.4	11.4	11.7	11.7	11.9
55°	2118.1	1327.2	63.2	27.8	14.4	10.5	9.3	9.6	9.9	10.2	10.2
57.5°	2496.2	1582.6	58.7	22.8	12.2	8.4	7.9	8.3	8.4	9.1	9.1
60°	2952.5	1859.3	52.5	17.8	10.2	6.7	6.2	6.7	7.6	8.3	8.4
62.5°	3453.7	2126.7	44.1	14.1	8.4	5.3	5.0	6.2	7.4	7.9	8.3
65°	3796.1	2210.8	34.0	11.4	6.5	3.9	4.1	5.6	7.0	7.9	7.9
67°	3657.4	2004.5	27.8	9.6	5.3	3.0	3.9	5.6	7.0	7.6	7.9
67.5°	3561.2	1923.7	26.6	9.3	5.0	3.0	3.9	5.6	7.0	7.9	7.9
70°	2897.6	1445.2	22.3	7.0	4.1	2.6	3.2	5.3	6.7	7.6	7.6
72.5°	2013.2	890.9	19.9	5.0	3.6	2.3	3.0	5.0	6.5	7.4	7.6
75°	957.1	322.5	17.0	3.9	3.2	2.1	2.6	5.0	6.5	7.4	7.4
77.5°	195.2	74.9	13.7	3.2	2.6	2.1	2.3	4.8	6.2	7.0	7.0
80°	64.0	28.9	10.2	3.0	2.6	2.1	2.3	4.4	6.2	6.7	7.0
82.5°	46.3	14.6	6.7	3.0	2.6	2.1	2.1	4.4	5.8	6.7	6.7
85°	35.5	10.2	4.4	3.0	2.6	2.1	2.1	4.1	5.6	6.5	6.5
87.5°	23.4	4.1	3.6	3.0	2.6	2.1	2.1	4.1	5.3	6.2	6.5
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)