

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: P199953

Luminaire Tested: **GAP-AF-01-LED-U-SL2-7030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199953
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-SL2-7030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 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: 5586.4 lumens
Efficiency: N/A
Efficacy: 83.4 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 - G2

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



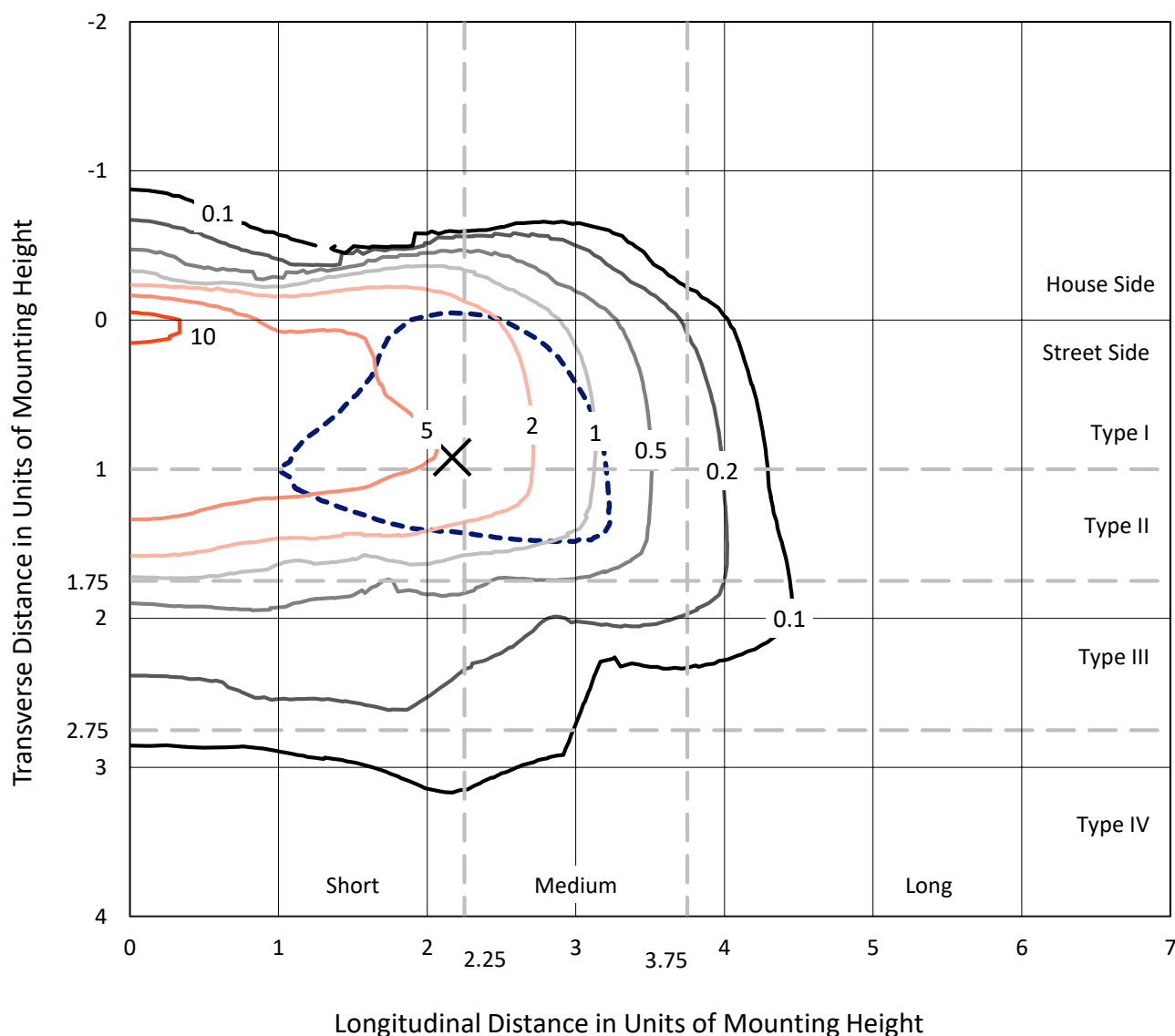
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

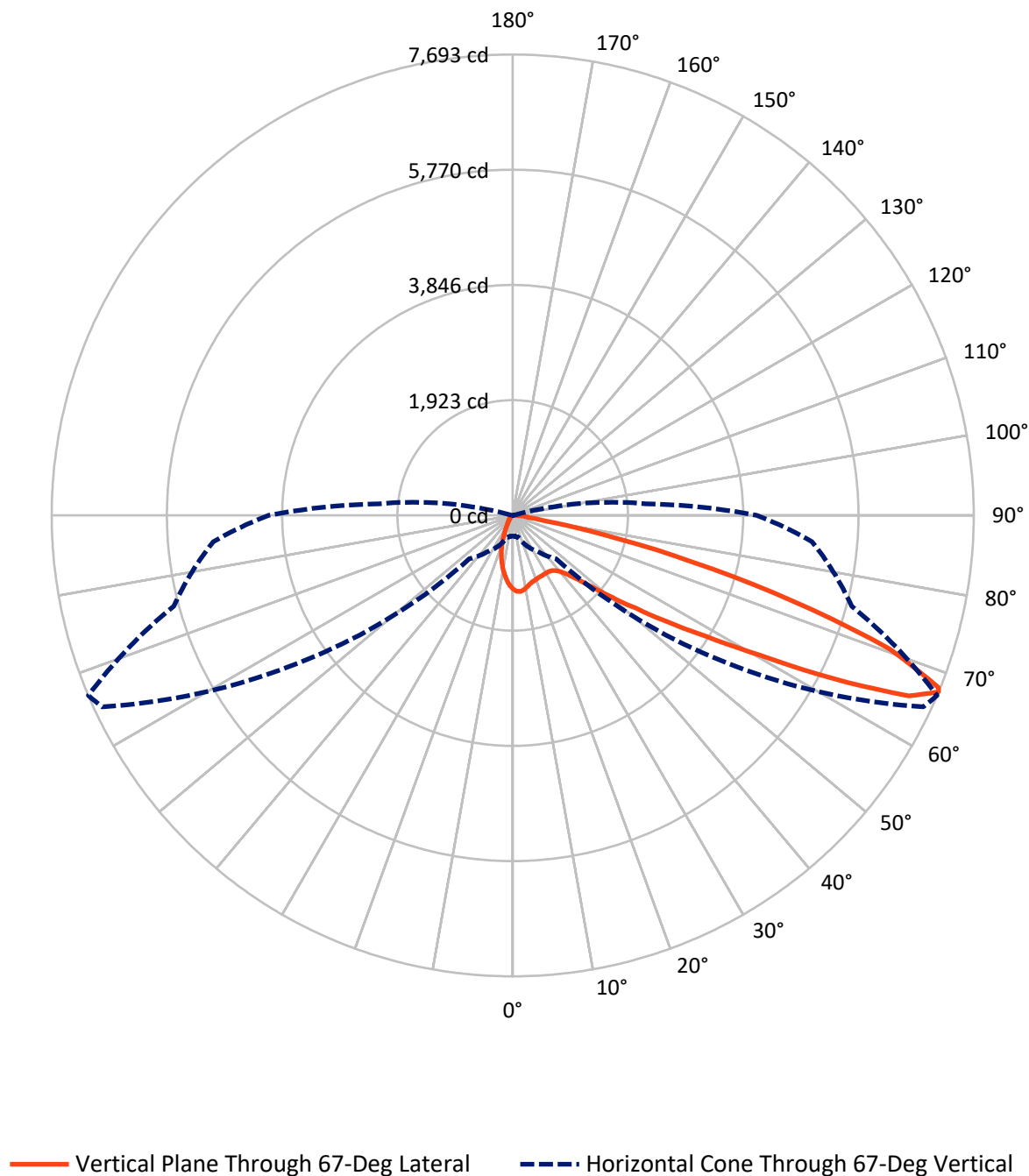


Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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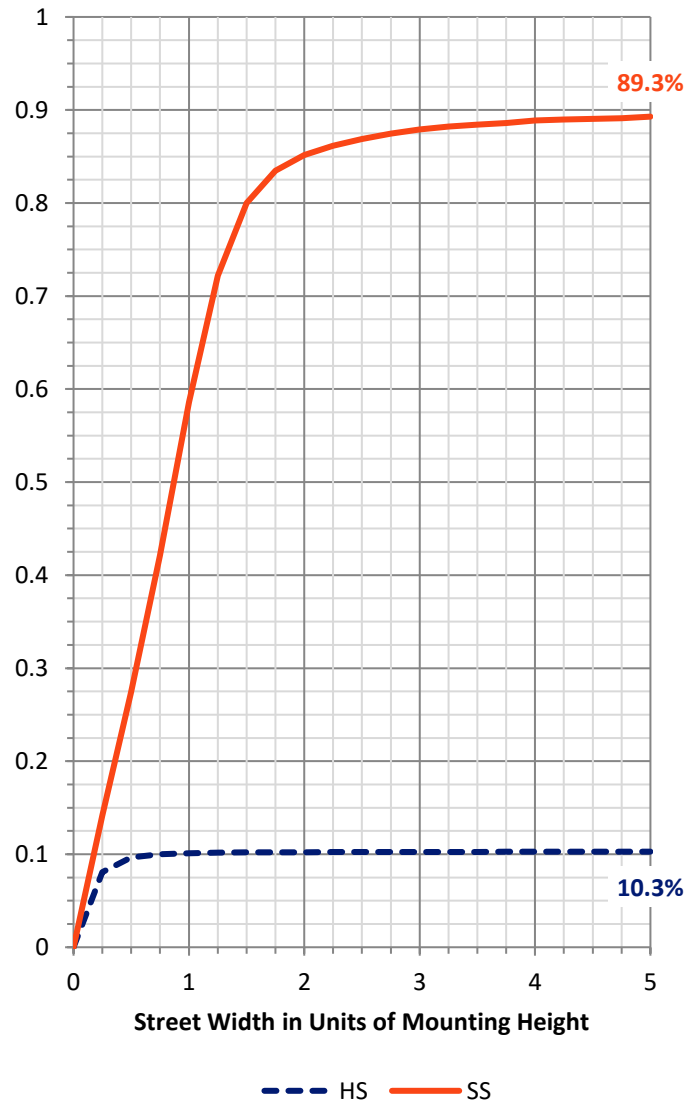
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	580.1	0.0	580.1
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	5006.4	0.0	5006.4
	% Fixture	89.6	0.0	89.6
Total	Lumens	5586.4	0.0	5586.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.2	1.8
10°-20°	213.4	3.8
20°-30°	310.2	5.6
30°-40°	483.9	8.7
40°-50°	857.3	15.3
50°-60°	1356.6	24.3
60°-70°	1553.8	27.8
70°-80°	644.5	11.5
80°-90°	66.6	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°	5586.4	100.0
0°-180°	5586.4	100.0

Coefficient of Utilization



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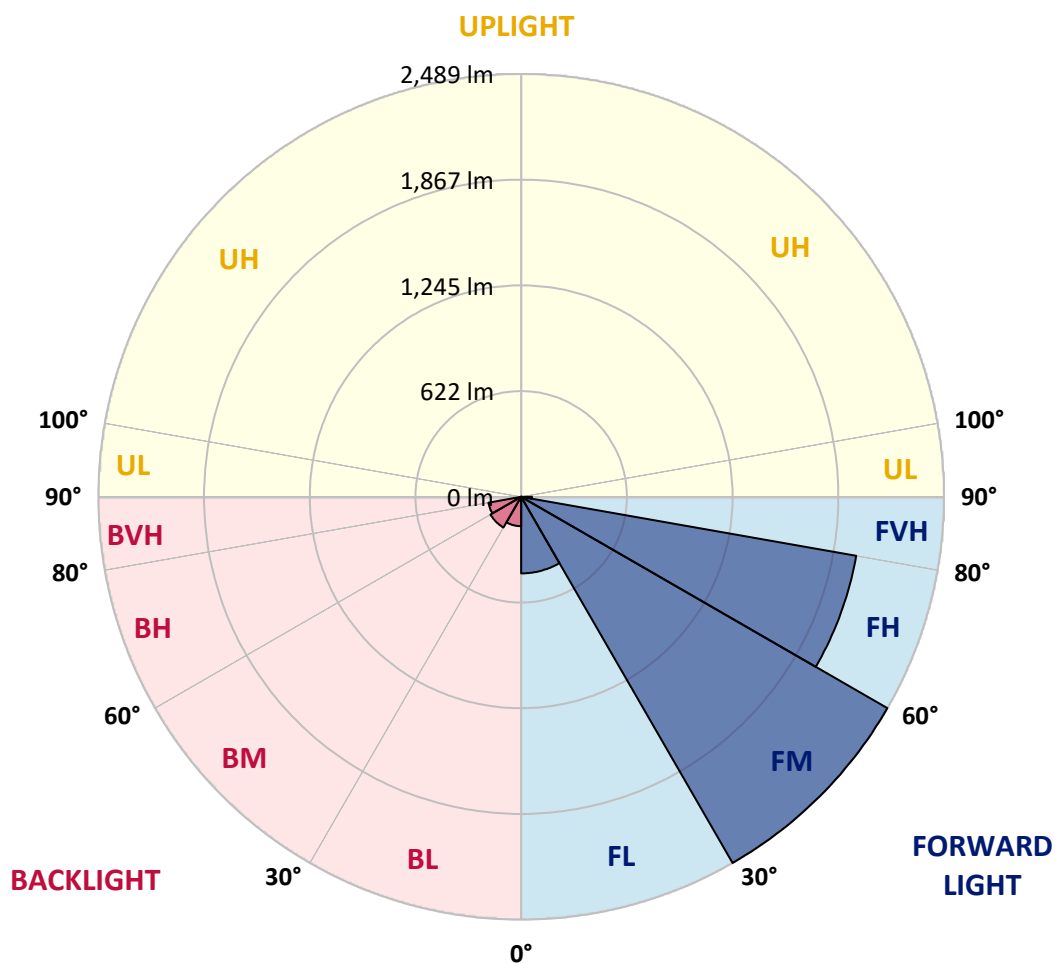
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	450.7	8.1			
FM	(30°-60°)	2489.3	44.6			
FH	(60°-80°)	2002.7	35.9			G2/5000
FVH	(80°-90°)	63.6	1.1			G1/100
BL	(0°-30°)	173.1	3.1	B1/500		
BM	(30°-60°)	208.5	3.7	B0/220		
BH	(60°-80°)	195.5	3.5	B1/500		G1/500
BVH	(80°-90°)	3.0	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0
2.5°	1273.8	1276.3	1276.0	1278.0	1282.4	1282.8	1278.4	1269.5	1267.5	1256.2	1236.3
5°	1174.6	1182.1	1186.8	1205.3	1226.1	1251.2	1270.1	1277.0	1276.0	1267.9	1237.9
7.5°	1061.6	1069.1	1074.3	1096.1	1123.8	1166.9	1216.0	1256.5	1260.1	1268.8	1236.6
10°	986.3	987.6	994.8	1015.7	1044.6	1088.7	1147.3	1218.0	1228.7	1261.0	1233.3
12.5°	924.5	925.4	934.8	957.3	988.2	1032.6	1094.2	1175.9	1192.6	1251.2	1232.7
15°	880.4	884.0	892.5	915.9	948.8	992.8	1056.1	1145.0	1164.9	1247.6	1238.6
17.5°	865.8	869.7	872.3	889.3	919.2	962.2	1027.0	1124.9	1147.3	1249.6	1249.9
20°	881.0	884.0	878.1	882.4	901.0	939.4	1002.7	1107.6	1134.2	1251.9	1264.5
22.5°	938.1	939.4	923.5	904.8	901.6	922.8	983.5	1093.9	1122.5	1258.1	1281.8
25°	1035.9	1033.6	1007.5	967.4	929.6	919.9	972.0	1085.4	1116.6	1264.5	1299.7
27.5°	1153.8	1157.0	1121.2	1062.9	990.9	939.4	970.3	1081.7	1114.0	1269.1	1315.5
30°	1297.2	1301.8	1260.7	1187.3	1084.1	987.6	985.3	1081.1	1112.5	1266.2	1316.7
32.5°	1443.6	1449.0	1416.8	1341.1	1208.5	1068.4	1019.3	1088.3	1115.6	1256.2	1309.3
35°	1596.6	1604.5	1582.9	1518.1	1377.3	1185.1	1078.8	1110.2	1131.1	1255.2	1301.8
37.5°	1808.1	1815.3	1774.9	1706.1	1581.6	1341.4	1174.6	1151.1	1167.2	1270.8	1303.7
40°	2123.9	2122.9	2018.6	1913.3	1806.2	1540.2	1309.3	1225.5	1233.6	1318.0	1327.8
42.5°	2467.9	2466.3	2312.2	2152.2	2055.3	1785.0	1486.2	1353.8	1348.4	1405.1	1390.4
45°	2733.1	2732.8	2607.0	2426.8	2355.5	2065.9	1715.0	1532.5	1523.9	1546.4	1505.7
47.5°	2846.2	2848.2	2785.0	2658.3	2688.3	2445.8	2003.3	1791.2	1778.4	1769.4	1707.4
50°	2758.2	2762.2	2767.4	2742.6	2932.3	2956.3	2390.0	2155.8	2149.5	2108.8	2012.1
52.5°	2470.9	2490.8	2552.0	2630.5	3016.9	3446.5	2996.4	2608.7	2575.5	2532.1	2425.5
55°	1986.7	2008.5	2124.9	2315.4	2890.9	3768.4	3846.3	3192.7	3137.3	3007.9	2854.1
57.5°	1314.8	1348.7	1517.5	1759.8	2524.7	3820.1	4694.1	4002.9	3810.1	3455.9	3282.5
60°	724.4	756.9	940.0	1159.7	1823.4	3564.0	5264.3	5058.0	4717.3	3956.8	3802.9
62.5°	446.1	463.7	598.8	803.2	1093.5	2813.0	5382.3	6383.9	5989.4	4601.6	4431.4
65°	355.2	362.6	428.9	656.5	783.9	1673.2	5001.4	7394.6	7263.0	5382.3	4994.2
67°	344.7	347.7	378.9	563.7	739.0	1025.7	4190.0	7559.2	7692.8	5854.7	5011.8
67.5°	347.0	350.2	379.9	538.0	737.7	942.7	3910.5	7494.4	7663.2	5892.3	4933.9
70°	334.7	344.7	435.0	537.7	701.6	783.3	2341.9	6493.4	6669.0	5474.9	4186.5
72.5°	118.6	119.3	188.0	435.0	762.8	791.8	1175.9	4760.2	4890.2	4188.0	3018.3
75°	70.4	60.0	62.6	123.8	728.9	768.9	678.4	3041.8	3090.3	2399.9	1528.5
77.5°	48.5	42.4	43.7	54.7	277.6	758.3	538.9	1586.2	1534.4	841.7	325.5
80°	27.7	24.5	26.1	47.8	101.1	707.5	508.3	643.2	548.4	142.7	89.9
82.5°	14.6	12.3	15.0	39.5	70.4	440.9	509.2	310.9	246.4	48.2	61.3
85°	5.3	4.3	7.2	27.1	46.9	135.3	472.1	261.3	205.3	23.5	46.6
87.5°	1.0	1.0	2.9	11.0	18.9	41.4	279.2	155.1	103.9	13.9	31.9
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°	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0	1232.0
2.5°	1228.1	1214.1	1195.2	1172.1	1144.7	1120.6	1102.7	1084.1	1080.1	1073.7	1072.7
5°	1220.0	1195.9	1149.0	1095.1	1037.9	985.9	944.0	906.6	889.9	875.5	874.0
7.5°	1207.9	1171.7	1091.9	1005.1	915.6	834.2	765.1	716.2	671.3	649.8	646.5
10°	1193.8	1142.1	1027.7	907.5	783.6	668.6	566.0	479.9	427.9	396.8	393.0
12.5°	1180.9	1113.2	962.2	806.2	641.6	487.8	355.8	273.7	218.9	196.7	194.2
15°	1174.6	1089.7	901.0	702.5	493.0	310.6	194.5	150.6	132.6	127.4	127.1
17.5°	1174.0	1069.7	841.0	595.4	345.4	180.5	126.7	115.7	112.1	110.8	110.8
20°	1173.7	1050.8	781.1	484.2	219.3	120.1	105.6	102.9	100.4	98.8	98.8
22.5°	1177.3	1033.9	718.5	370.8	138.1	97.5	92.9	90.2	87.0	84.6	84.3
25°	1180.9	1020.9	654.6	264.0	100.1	84.6	80.2	76.6	72.0	69.1	68.8
27.5°	1181.5	1004.5	586.1	176.6	83.7	74.0	68.1	62.6	57.4	54.4	54.1
30°	1171.7	977.3	510.2	119.3	74.0	64.3	56.4	50.5	45.7	43.3	43.3
32.5°	1152.4	943.4	426.8	89.9	65.8	55.0	46.6	41.1	37.8	36.8	36.5
35°	1135.2	906.9	341.1	76.3	59.0	46.6	38.1	34.5	32.6	32.2	31.9
37.5°	1125.2	877.5	260.7	69.1	52.5	39.2	32.2	29.6	28.6	28.0	28.3
40°	1132.9	853.1	192.7	63.3	46.0	32.6	27.5	26.1	25.1	24.8	24.8
42.5°	1167.2	848.8	143.0	58.0	39.8	27.1	23.8	22.8	22.2	21.9	22.2
45°	1257.1	874.8	111.1	53.1	33.6	22.8	20.2	19.8	19.5	19.5	19.5
47.5°	1392.3	928.7	92.6	47.5	28.0	19.5	17.6	17.3	16.9	17.3	17.3
50°	1621.4	1027.0	82.8	42.1	23.2	16.6	15.0	15.0	15.0	15.0	15.3
52.5°	1969.7	1220.7	76.3	36.5	18.9	13.9	12.7	12.7	13.0	13.0	13.3
55°	2357.9	1477.4	70.4	30.9	16.0	11.7	10.4	10.7	11.0	11.4	11.4
57.5°	2778.8	1761.8	65.4	25.4	13.6	9.4	8.8	9.2	9.4	10.1	10.1
60°	3286.7	2069.8	58.4	19.8	11.4	7.5	6.9	7.5	8.5	9.2	9.4
62.5°	3844.7	2367.5	49.1	15.7	9.4	5.9	5.6	6.9	8.2	8.8	9.2
65°	4225.8	2461.1	37.8	12.7	7.2	4.3	4.6	6.2	7.8	8.8	8.8
67°	4071.4	2231.4	30.9	10.7	5.9	3.3	4.3	6.2	7.8	8.5	8.8
67.5°	3964.3	2141.5	29.6	10.4	5.6	3.3	4.3	6.2	7.8	8.8	8.8
70°	3225.6	1608.8	24.8	7.8	4.6	2.9	3.6	5.9	7.5	8.5	8.5
72.5°	2241.1	991.8	22.2	5.6	4.0	2.6	3.3	5.6	7.2	8.2	8.5
75°	1065.5	359.0	18.9	4.3	3.6	2.3	2.9	5.6	7.2	8.2	8.2
77.5°	217.3	83.4	15.3	3.6	2.9	2.3	2.6	5.3	6.9	7.8	7.8
80°	71.3	32.2	11.4	3.3	2.9	2.3	2.6	4.9	6.9	7.5	7.8
82.5°	51.5	16.3	7.5	3.3	2.9	2.3	2.3	4.9	6.5	7.5	7.5
85°	39.5	11.4	4.9	3.3	2.9	2.3	2.3	4.6	6.2	7.2	7.2
87.5°	26.1	4.6	4.0	3.3	2.9	2.3	2.3	4.6	5.9	6.9	7.2
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)