

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: P269799

Luminaire Tested: **GAP-AF-01-LED-U-SL3-7027-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269799
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-SL3-7027-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 1200mA 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: 5176.3 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short - Non-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



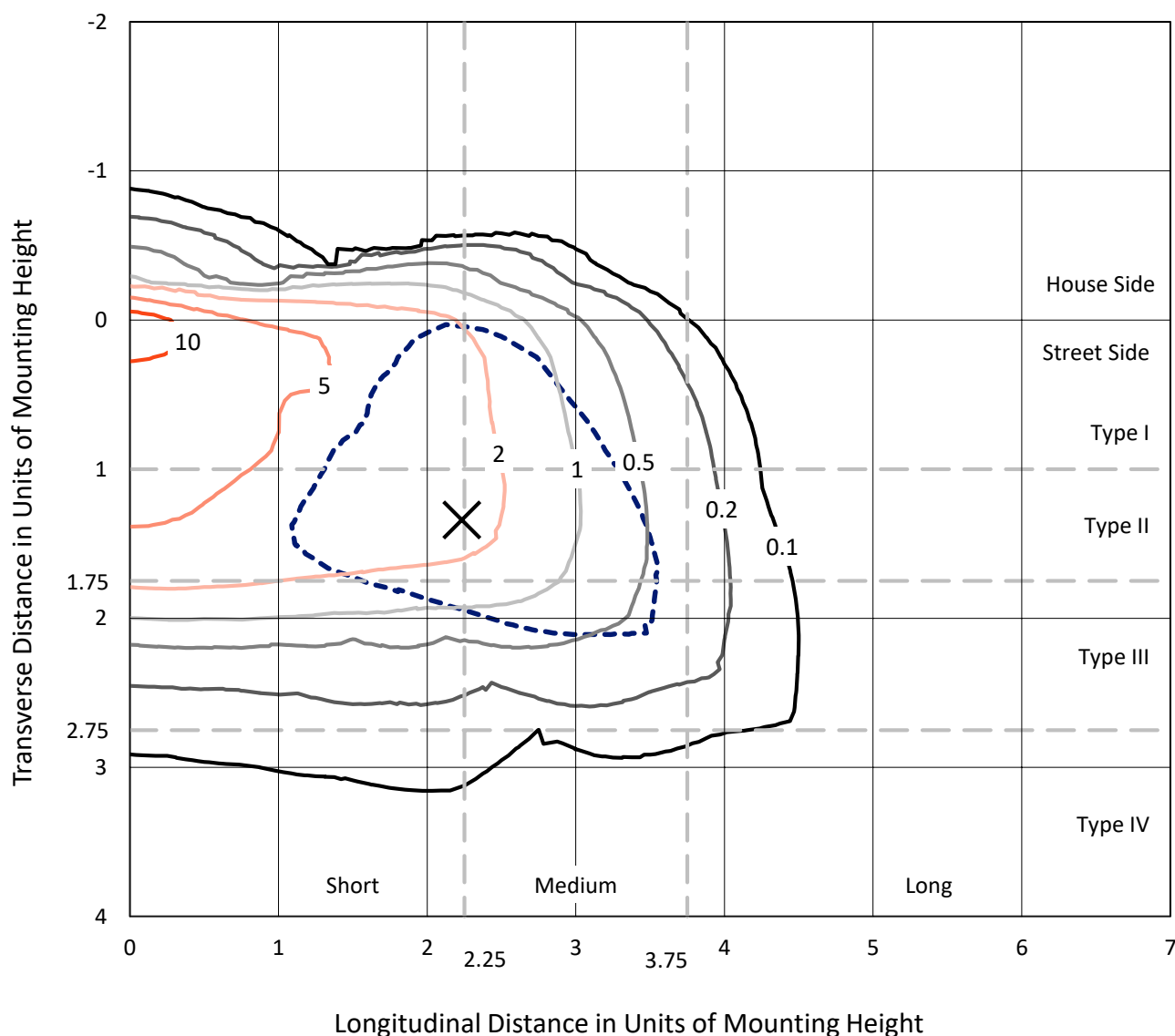
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

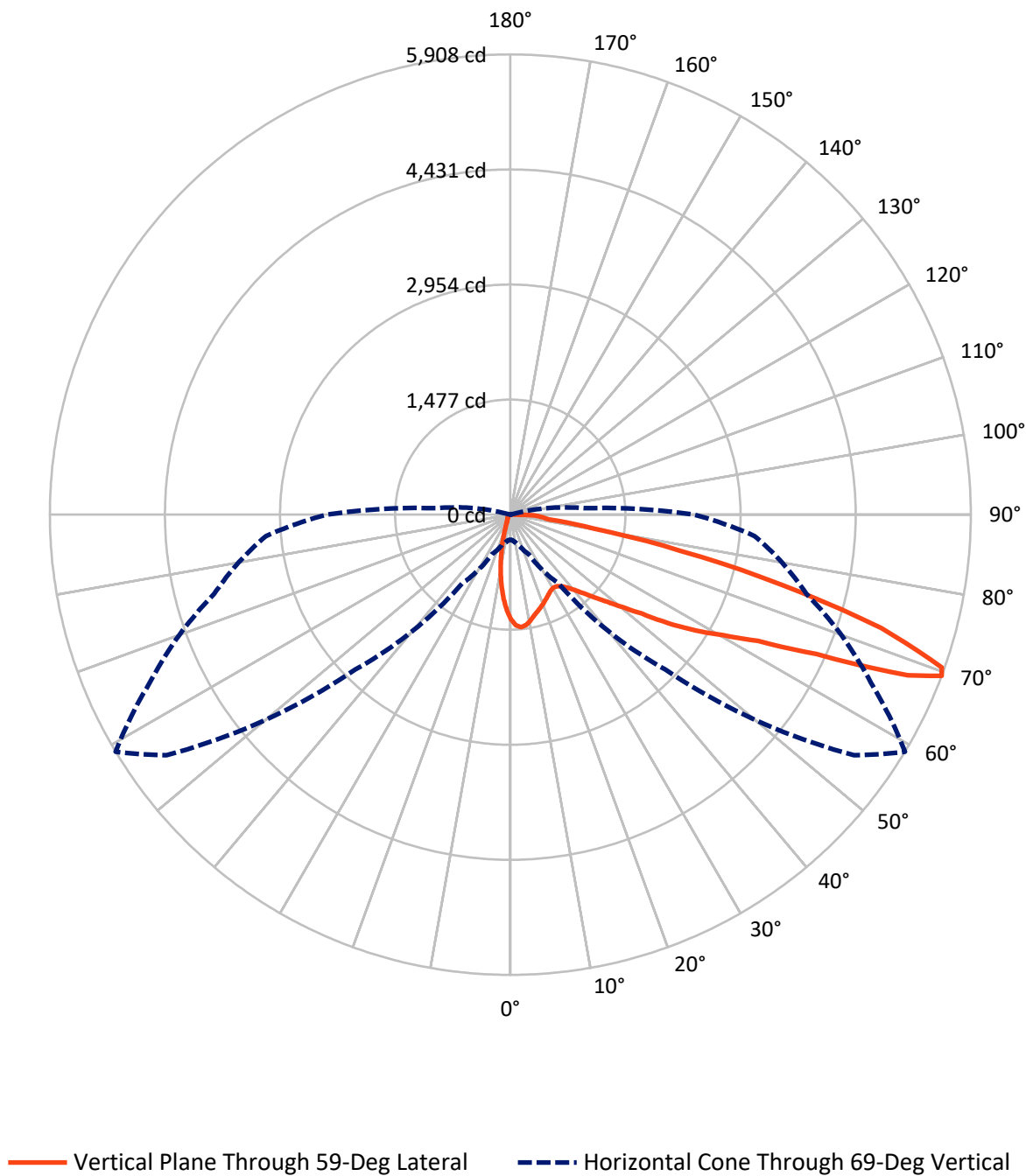


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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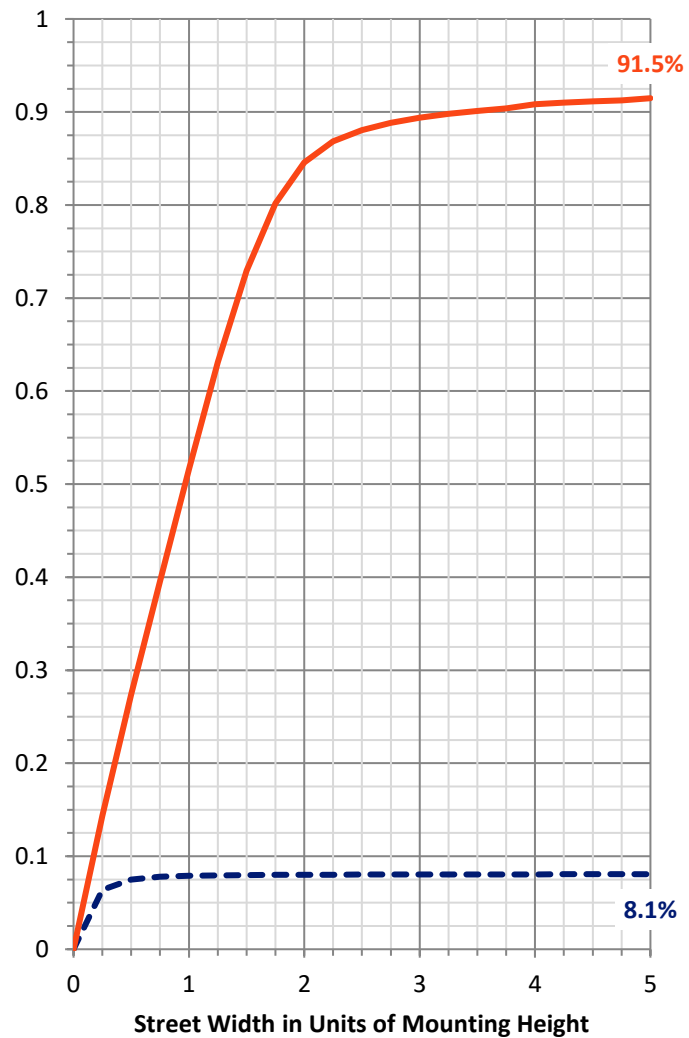
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	421.5	0.0	421.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4754.8	0.0	4754.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	5176.3	0.0	5176.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	2.1
10°-20°	226.0	4.4
20°-30°	304.1	5.9
30°-40°	441.5	8.5
40°-50°	735.1	14.2
50°-60°	1146.8	22.2
60°-70°	1419.1	27.4
70°-80°	719.2	13.9
80°-90°	75.3	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°	5176.3	100.0
0°-180°	5176.3	100.0

Coefficient of Utilization



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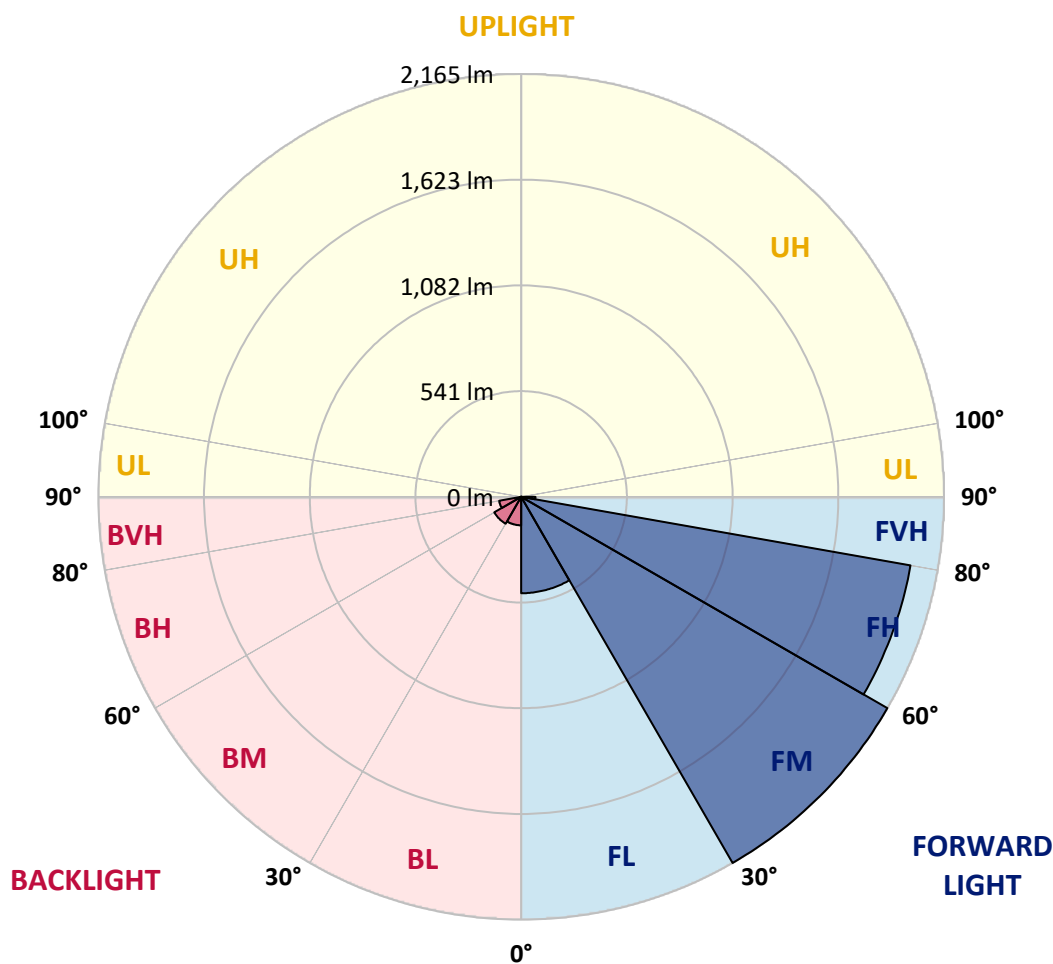
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	493.5	9.5			
FM	(30°-60°)	2164.6	41.8			
FH	(60°-80°)	2023.8	39.1			G2/5000
FVH	(80°-90°)	72.9	1.4			G1/100
BL	(0°-30°)	145.9	2.8	B1/500		
BM	(30°-60°)	158.8	3.1	B0/220		
BH	(60°-80°)	114.5	2.2	B1/500		G1/500
BVH	(80°-90°)	2.3	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3
2.5°	1476.8	1476.2	1469.6	1466.8	1461.5	1450.4	1433.1	1424.1	1409.4	1383.8	1349.7
5°	1463.2	1470.3	1474.1	1474.4	1478.3	1474.1	1458.6	1450.9	1430.7	1389.8	1328.4
7.5°	1371.9	1374.5	1385.4	1394.8	1412.9	1430.1	1435.8	1432.4	1420.5	1376.7	1294.9
10°	1274.2	1276.9	1289.6	1302.0	1326.5	1353.1	1381.2	1387.2	1392.2	1357.9	1262.7
12.5°	1189.8	1192.5	1205.6	1221.8	1250.4	1283.1	1326.8	1336.5	1358.4	1340.0	1237.0
15°	1117.2	1118.4	1131.3	1151.2	1185.5	1227.7	1277.1	1292.7	1326.3	1327.4	1214.5
17.5°	1055.5	1058.5	1066.3	1085.3	1122.8	1175.0	1232.6	1254.8	1294.4	1316.8	1192.5
20°	1017.7	1020.7	1020.4	1031.0	1064.6	1120.1	1188.1	1214.8	1262.7	1306.0	1172.8
22.5°	1010.5	1010.5	1002.8	1001.3	1021.3	1067.7	1141.8	1174.4	1234.4	1301.4	1159.2
25°	1036.5	1035.2	1016.3	1000.7	1001.6	1029.5	1097.1	1135.6	1210.3	1304.6	1151.7
27.5°	1091.5	1090.1	1066.1	1036.5	1012.7	1012.5	1063.1	1104.6	1191.3	1319.8	1154.7
30°	1167.5	1167.0	1140.9	1103.7	1060.8	1021.3	1051.3	1089.1	1179.0	1347.3	1161.5
32.5°	1250.7	1249.8	1230.3	1191.1	1136.5	1060.8	1063.8	1095.4	1182.4	1383.8	1177.9
35°	1338.8	1337.3	1329.0	1294.6	1234.6	1133.7	1104.0	1128.7	1204.7	1438.6	1210.0
37.5°	1434.2	1435.8	1441.9	1409.1	1346.2	1235.8	1171.7	1188.4	1249.5	1512.9	1262.5
40°	1575.1	1574.8	1576.9	1533.8	1473.2	1360.8	1266.3	1271.6	1324.6	1611.6	1342.1
42.5°	1830.6	1812.7	1758.6	1670.8	1609.9	1503.7	1385.4	1379.8	1416.1	1733.6	1453.5
45°	2173.9	2135.9	1995.3	1827.1	1749.2	1664.6	1532.0	1514.2	1537.3	1880.3	1591.2
47.5°	2469.4	2429.7	2231.0	1989.8	1897.0	1817.5	1703.8	1671.7	1679.2	2044.5	1765.6
50°	2569.7	2550.4	2376.7	2131.5	2040.2	2009.7	1903.1	1864.0	1853.2	2234.5	1967.8
52.5°	2534.8	2533.4	2417.8	2223.3	2171.4	2208.8	2154.0	2108.6	2068.8	2434.8	2173.7
55°	2479.0	2486.2	2434.4	2304.0	2302.1	2390.5	2497.1	2459.3	2343.9	2652.2	2351.0
57.5°	2324.6	2356.0	2425.1	2456.1	2528.1	2618.6	2782.8	2805.0	2668.7	2818.7	2498.2
60°	1886.3	1955.0	2180.9	2478.1	2819.3	3044.7	3127.5	3146.7	2934.9	2957.2	2697.0
62.5°	1338.8	1409.1	1695.6	2198.2	2823.7	3604.7	3641.3	3566.6	3228.2	3162.5	3039.8
65°	710.6	764.8	999.0	1586.8	2448.2	3734.7	4539.6	4317.2	3745.8	3566.0	3482.5
67.5°	363.5	380.0	473.0	776.6	1683.1	3317.3	5344.8	5501.4	4637.6	3966.5	3461.3
69°	321.8	331.4	393.1	561.4	1077.7	2809.7	5384.0	5908.1	5104.4	3933.0	3145.4
70°	311.4	319.9	376.1	508.1	842.4	2356.3	5233.9	5872.3	5224.0	3806.1	2909.5
72.5°	264.3	271.6	334.9	449.1	684.7	1169.7	4251.6	4976.0	4687.6	3170.6	2106.0
75°	176.7	200.9	321.5	420.9	636.9	664.4	2802.9	3595.8	3340.3	2138.5	1097.1
77.5°	42.4	45.6	90.8	334.9	582.6	584.8	1441.6	2235.4	1823.3	762.2	259.3
80°	22.8	22.0	25.4	66.5	542.3	548.9	648.9	1085.1	651.0	126.4	85.5
82.5°	16.1	15.2	16.3	27.8	170.7	499.9	469.5	491.2	269.9	48.6	38.4
85°	5.8	5.6	9.1	25.2	53.5	287.5	482.4	405.0	218.6	22.3	28.0
87.5°	2.1	1.7	3.6	13.7	16.3	122.3	297.7	306.1	86.1	13.5	13.1
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°	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3	1347.3
2.5°	1335.3	1317.2	1283.8	1249.5	1217.9	1180.0	1160.9	1142.1	1134.2	1131.3	1117.5
5°	1296.8	1265.9	1195.1	1124.0	1058.5	988.8	942.9	905.9	884.3	873.7	857.1
7.5°	1247.2	1196.9	1089.5	979.7	877.6	776.9	702.2	644.9	605.3	586.4	569.0
10°	1199.1	1132.3	979.4	829.9	691.1	557.6	454.6	380.0	332.3	310.3	296.3
12.5°	1156.2	1069.3	873.2	683.8	509.6	353.4	248.6	189.2	159.4	149.3	144.3
15°	1117.9	1011.3	772.7	545.0	345.0	201.9	135.9	115.6	110.9	110.9	110.3
17.5°	1081.6	954.4	675.9	414.7	216.6	123.5	103.3	100.7	100.7	101.9	101.9
20°	1046.7	900.5	582.2	297.7	136.5	98.1	93.3	92.7	93.3	94.9	94.9
22.5°	1016.8	851.2	494.6	204.4	101.2	88.5	86.1	85.2	85.5	86.3	87.0
25°	994.7	809.6	412.1	138.5	87.2	80.5	77.9	76.4	75.2	75.2	75.7
27.5°	980.6	774.5	332.3	100.7	78.4	73.2	69.1	66.7	64.0	62.6	63.2
30°	970.3	741.1	257.3	82.3	70.2	64.9	59.6	56.0	52.1	50.3	50.9
32.5°	966.5	714.2	192.2	72.7	62.9	57.1	50.7	45.6	41.5	40.2	40.5
35°	976.7	692.9	140.8	65.5	57.1	49.8	42.4	36.9	33.6	32.8	33.1
37.5°	1003.6	681.5	105.5	59.6	51.8	43.6	35.5	30.2	28.0	28.0	28.3
40°	1054.6	681.2	84.6	55.7	47.2	37.8	29.3	25.4	24.3	24.9	25.2
42.5°	1129.0	696.6	73.8	51.8	42.9	32.2	24.3	21.6	21.4	22.0	22.3
45°	1230.6	725.0	67.9	48.6	38.6	26.9	20.5	18.8	18.8	19.7	19.9
47.5°	1355.0	766.7	62.9	45.4	34.2	22.5	17.5	16.3	16.7	17.5	17.8
50°	1504.8	819.0	57.9	41.9	31.0	18.8	15.2	14.4	14.6	15.8	16.1
52.5°	1675.5	889.5	53.9	38.6	26.9	15.5	12.8	12.2	12.8	14.1	14.4
55°	1821.9	952.7	48.9	36.0	21.6	12.8	10.5	10.5	11.0	12.5	12.8
57.5°	1962.5	1018.9	44.5	31.0	17.0	10.2	8.8	9.1	9.9	11.4	11.7
60°	2169.2	1131.1	39.3	26.1	12.8	8.3	7.4	7.6	8.8	10.2	10.5
62.5°	2520.3	1301.6	34.0	21.6	9.9	6.5	5.8	6.5	7.9	9.6	9.9
65°	2836.8	1371.1	27.8	18.1	7.6	5.0	5.0	5.8	7.6	9.3	9.6
67.5°	2660.4	1154.1	21.6	14.4	5.8	3.9	4.1	5.6	7.4	9.3	9.6
69°	2352.8	943.7	18.4	11.4	5.0	3.6	3.9	5.6	7.4	9.1	9.3
70°	2113.1	796.7	16.3	9.6	4.4	3.6	3.9	5.3	7.4	9.1	9.3
72.5°	1415.2	430.3	13.1	7.0	4.1	3.2	3.2	5.3	7.0	8.8	9.1
75°	608.2	118.8	10.5	5.0	3.6	3.0	3.0	5.0	6.7	8.4	9.1
77.5°	111.2	30.2	8.4	4.4	3.6	3.0	2.6	4.8	6.5	8.3	8.4
80°	44.1	14.9	6.7	3.9	3.2	2.6	2.3	4.4	6.2	7.9	8.3
82.5°	26.6	8.4	5.6	3.6	3.2	2.3	2.1	3.9	5.8	7.6	7.9
85°	21.6	5.8	4.4	3.6	3.0	2.3	1.7	3.6	5.3	7.4	7.6
87.5°	10.5	4.1	4.1	3.2	3.0	2.3	1.7	3.2	5.0	7.0	7.4
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)