

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: P199969

Luminaire Tested: **GAP-AF-01-LED-U-SL3-7030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199969
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-SL3-7030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 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: 5762.4 lumens
Efficiency: N/A
Efficacy: 86.0 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



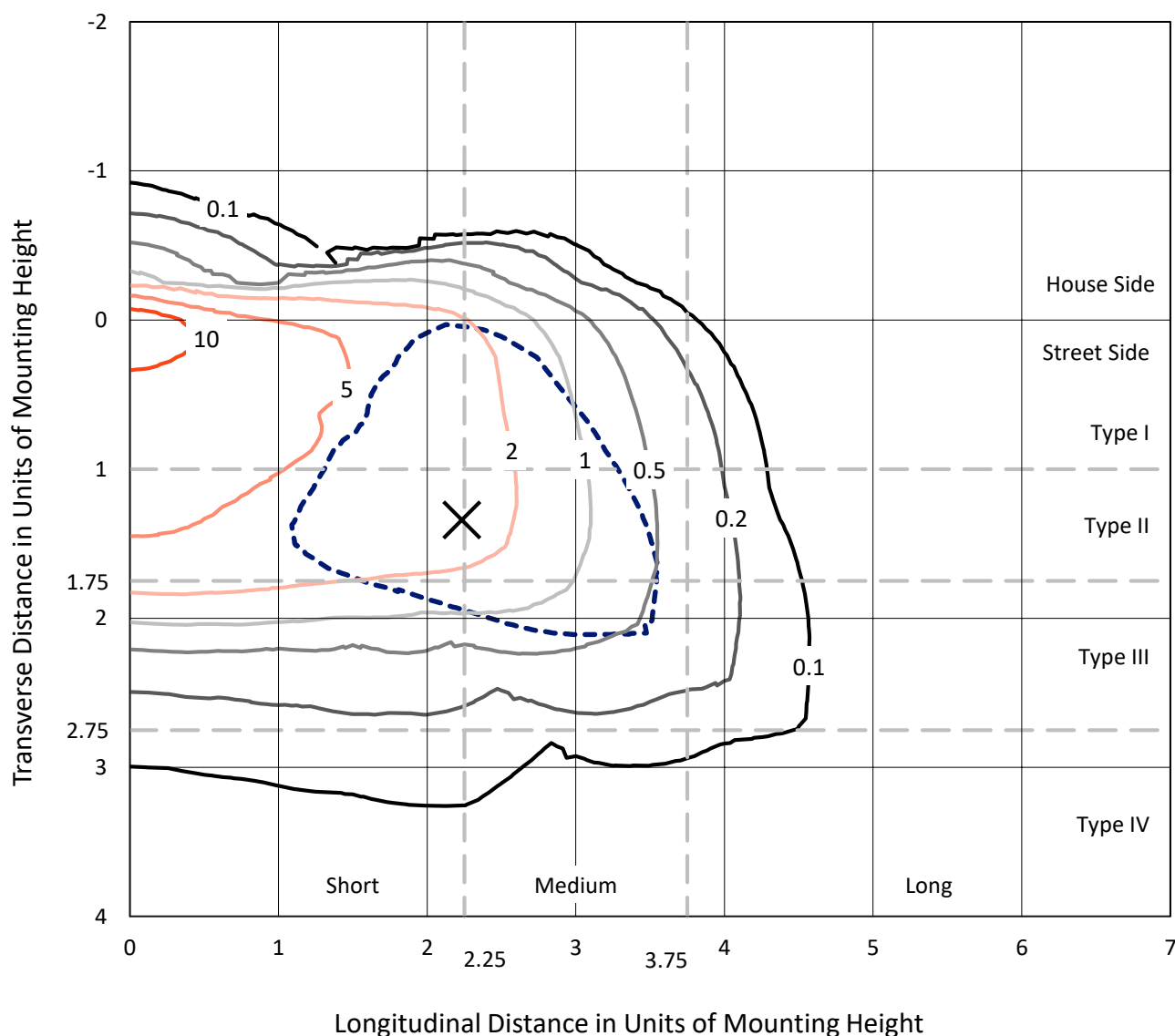
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

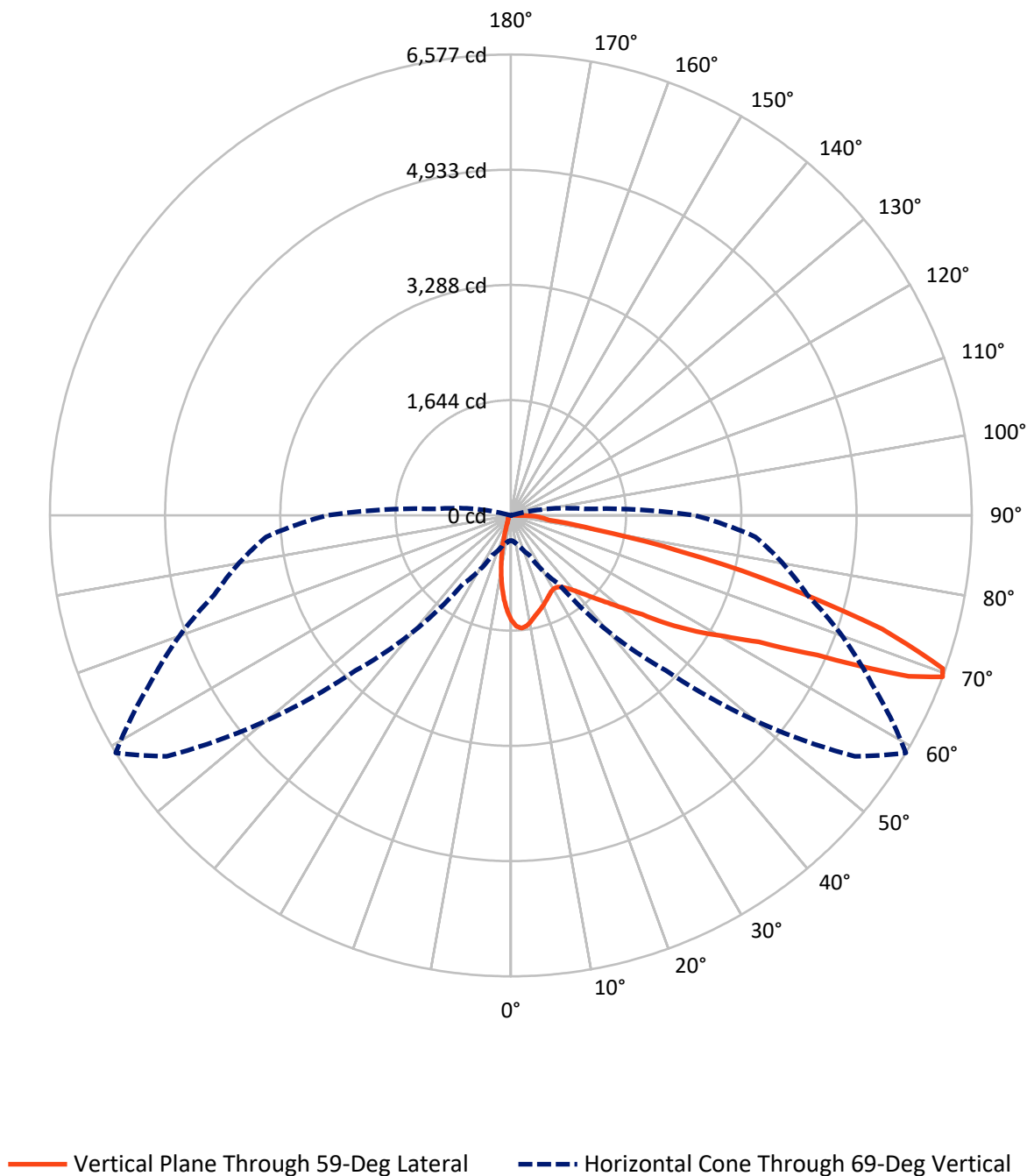


Based on 10 foot mounting height. Maximum calculated value = 15.1 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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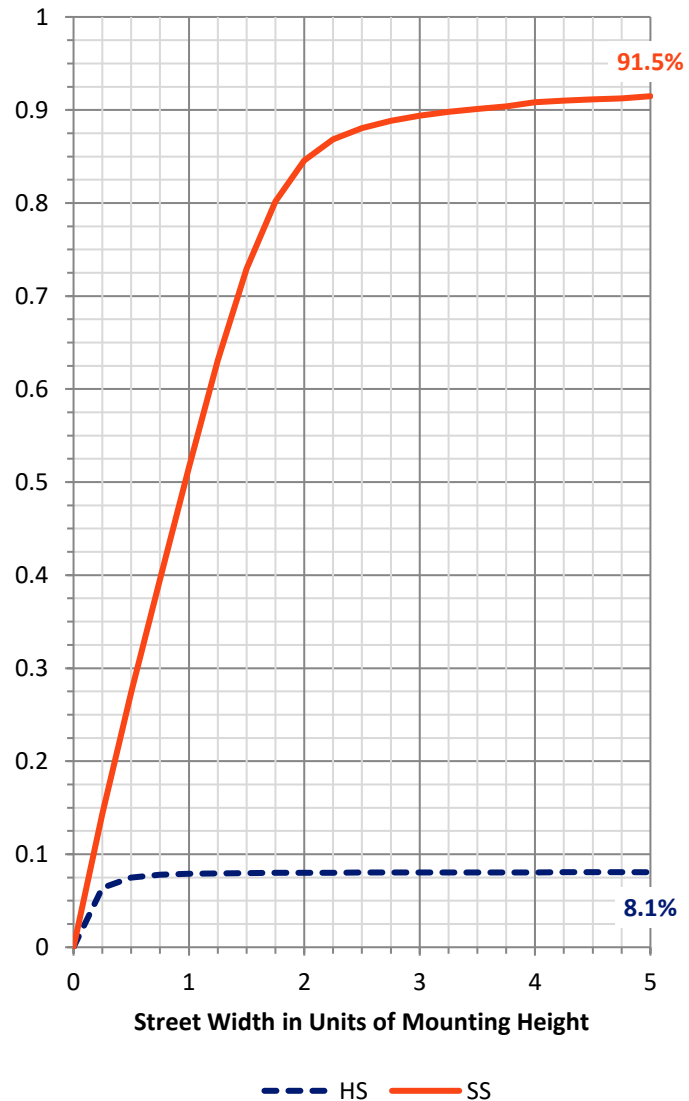
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	469.3	0.0	469.3
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5293.1	0.0	5293.1
	% Fixture	91.9	0.0	91.9
Total	Lumens	5762.4	0.0	5762.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	2.1
10°-20°	251.6	4.4
20°-30°	338.5	5.9
30°-40°	491.5	8.5
40°-50°	818.4	14.2
50°-60°	1276.6	22.2
60°-70°	1579.7	27.4
70°-80°	800.6	13.9
80°-90°	83.8	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°	5762.4	100.0
0°-180°	5762.4	100.0

Coefficient of Utilization



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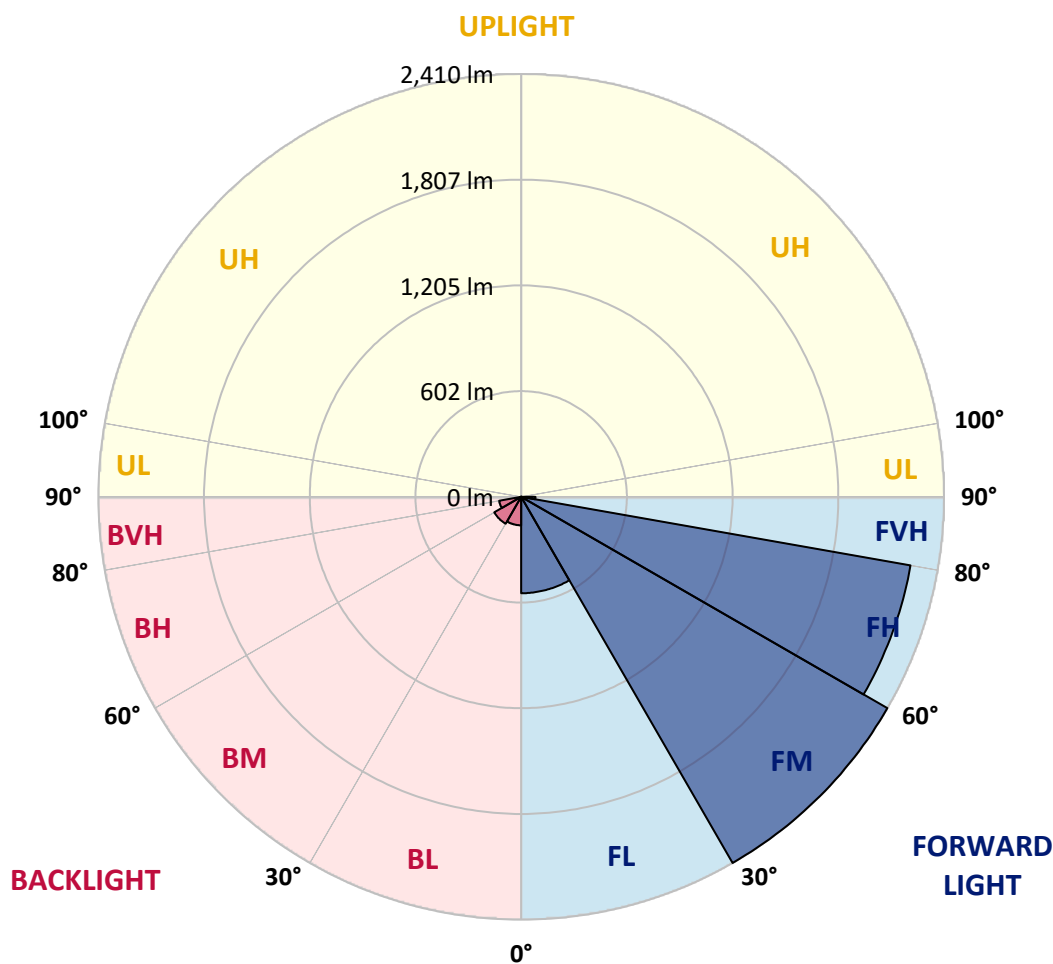
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	549.4	9.5			
FM	(30°-60°)	2409.6	41.8			
FH	(60°-80°)	2252.9	39.1			G2/5000
FVH	(80°-90°)	81.2	1.4			G1/100
BL	(0°-30°)	162.4	2.8	B1/500		
BM	(30°-60°)	176.8	3.1	B0/220		
BH	(60°-80°)	127.5	2.2	B1/500		G1/500
BVH	(80°-90°)	2.6	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°	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8
2.5°	1644.0	1643.3	1636.0	1632.8	1627.0	1614.6	1595.3	1585.3	1569.0	1540.5	1502.5
5°	1628.8	1636.7	1641.0	1641.3	1645.6	1641.0	1623.7	1615.2	1592.7	1547.1	1478.8
7.5°	1527.2	1530.1	1542.2	1552.7	1572.9	1592.0	1598.3	1594.6	1581.3	1532.5	1441.5
10°	1418.4	1421.4	1435.6	1449.4	1476.7	1506.3	1537.6	1544.2	1549.8	1511.6	1405.7
12.5°	1324.5	1327.5	1342.1	1360.1	1392.0	1428.4	1477.0	1487.8	1512.2	1491.7	1377.0
15°	1243.7	1245.0	1259.4	1281.5	1319.7	1366.7	1421.7	1439.0	1476.4	1477.7	1352.0
17.5°	1175.0	1178.3	1187.0	1208.2	1249.9	1308.0	1372.1	1396.9	1440.9	1465.9	1327.5
20°	1132.9	1136.2	1135.9	1147.7	1185.1	1246.9	1322.6	1352.3	1405.7	1453.9	1305.6
22.5°	1124.9	1124.9	1116.3	1114.7	1136.9	1188.6	1271.1	1307.3	1374.1	1448.7	1290.4
25°	1153.8	1152.4	1131.4	1114.0	1115.0	1146.0	1221.3	1264.2	1347.3	1452.3	1282.1
27.5°	1215.1	1213.5	1186.8	1153.8	1127.4	1127.1	1183.5	1229.7	1326.2	1469.2	1285.4
30°	1299.7	1299.1	1270.1	1228.7	1180.9	1136.9	1170.3	1212.4	1312.5	1499.8	1293.0
32.5°	1392.3	1391.3	1369.6	1325.9	1265.2	1180.9	1184.2	1219.4	1316.3	1540.5	1311.2
35°	1490.4	1488.7	1479.4	1441.2	1374.4	1262.0	1229.0	1256.5	1341.1	1601.5	1347.0
37.5°	1596.6	1598.3	1605.1	1568.6	1498.6	1375.7	1304.3	1322.9	1391.0	1684.2	1405.4
40°	1753.4	1753.1	1755.4	1707.4	1640.0	1514.9	1409.6	1415.5	1474.5	1794.1	1494.0
42.5°	2037.8	2017.9	1957.7	1859.9	1792.2	1673.9	1542.2	1536.0	1576.4	1929.9	1618.1
45°	2420.0	2377.7	2221.2	2033.9	1947.2	1853.0	1705.4	1685.6	1711.3	2093.2	1771.3
47.5°	2748.9	2704.8	2483.6	2215.1	2111.8	2023.2	1896.7	1860.9	1869.3	2276.0	1965.5
50°	2860.6	2839.1	2645.8	2372.8	2271.2	2237.2	2118.6	2075.0	2063.0	2487.5	2190.6
52.5°	2821.8	2820.2	2691.5	2475.0	2417.2	2458.8	2397.9	2347.3	2303.0	2710.4	2419.8
55°	2759.6	2767.7	2710.0	2564.8	2562.7	2661.1	2779.8	2737.7	2609.3	2952.5	2617.2
57.5°	2587.8	2622.7	2699.6	2734.1	2814.3	2915.0	3097.8	3122.5	2970.8	3137.8	2781.0
60°	2099.8	2176.3	2427.8	2758.6	3138.5	3389.4	3481.6	3502.9	3267.2	3292.0	3002.3
62.5°	1490.4	1568.6	1887.6	2447.1	3143.4	4012.8	4053.5	3970.4	3593.7	3520.5	3383.9
65°	791.1	851.4	1112.1	1766.4	2725.4	4157.5	5053.5	4805.9	4169.8	3969.7	3876.8
67.5°	404.7	423.0	526.5	864.5	1873.6	3692.8	5949.9	6124.2	5162.6	4415.5	3853.1
69°	358.2	368.9	437.6	625.0	1199.7	3127.8	5993.5	6576.9	5682.3	4378.3	3501.5
70°	346.7	356.1	418.7	565.6	937.8	2623.0	5826.4	6537.1	5815.4	4237.0	3238.9
72.5°	294.2	302.4	372.8	499.9	762.2	1302.1	4732.9	5539.3	5218.3	3529.5	2344.4
75°	196.7	223.6	357.9	468.6	709.0	739.6	3120.2	4002.9	3718.5	2380.6	1221.3
77.5°	47.2	50.8	101.1	372.8	648.5	651.0	1604.8	2488.5	2029.7	848.5	288.7
80°	25.4	24.5	28.3	74.0	603.7	611.0	722.4	1207.9	724.7	140.7	95.2
82.5°	17.9	16.9	18.2	30.9	190.0	556.5	522.7	546.8	300.5	54.1	42.7
85°	6.5	6.2	10.1	28.0	59.6	320.0	537.0	450.9	243.4	24.8	31.2
87.5°	2.3	1.9	4.0	15.3	18.2	136.2	331.4	340.8	95.8	15.0	14.6
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°	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8	1499.8
2.5°	1486.5	1466.3	1429.1	1391.0	1355.8	1313.6	1292.3	1271.4	1262.6	1259.4	1244.0
5°	1443.6	1409.2	1330.4	1251.2	1178.3	1100.7	1049.6	1008.5	984.4	972.6	954.1
7.5°	1388.4	1332.4	1212.8	1090.6	976.9	864.8	781.7	717.9	673.8	652.8	633.4
10°	1334.9	1260.5	1090.3	923.8	769.3	620.7	506.1	423.0	369.9	345.4	329.8
12.5°	1287.1	1190.3	972.0	761.2	567.3	393.4	276.7	210.6	177.5	166.2	160.6
15°	1244.4	1125.8	860.2	606.7	384.1	224.8	151.3	128.7	123.5	123.5	122.8
17.5°	1204.0	1062.5	752.4	461.7	241.1	137.5	115.0	112.1	112.1	113.4	113.4
20°	1165.2	1002.4	648.1	331.4	151.9	109.2	103.9	103.2	103.9	105.6	105.6
22.5°	1131.9	947.6	550.6	227.5	112.7	98.5	95.8	94.8	95.2	96.1	96.8
25°	1107.3	901.3	458.8	154.2	97.1	89.6	86.7	85.0	83.7	83.7	84.3
27.5°	1091.6	862.2	369.9	112.1	87.3	81.5	76.9	74.3	71.3	69.7	70.4
30°	1080.1	825.0	286.4	91.6	78.2	72.3	66.4	62.3	58.0	56.0	56.7
32.5°	1075.9	795.1	214.0	80.9	70.0	63.6	56.4	50.8	46.2	44.7	45.1
35°	1087.3	771.3	156.7	72.9	63.6	55.4	47.2	41.1	37.4	36.5	36.8
37.5°	1117.2	758.6	117.4	66.4	57.7	48.5	39.5	33.6	31.2	31.2	31.5
40°	1174.0	758.3	94.2	62.0	52.5	42.1	32.6	28.3	27.1	27.7	28.0
42.5°	1256.8	775.5	82.2	57.7	47.8	35.8	27.1	24.1	23.8	24.5	24.8
45°	1369.9	807.1	75.6	54.1	43.0	29.9	22.8	20.9	20.9	21.9	22.2
47.5°	1508.4	853.5	70.0	50.5	38.1	25.1	19.5	18.2	18.6	19.5	19.8
50°	1675.2	911.7	64.5	46.6	34.5	20.9	16.9	16.0	16.3	17.6	17.9
52.5°	1865.2	990.2	60.0	43.0	29.9	17.3	14.3	13.6	14.3	15.7	16.0
55°	2028.1	1060.6	54.4	40.1	24.1	14.3	11.7	11.7	12.3	13.9	14.3
57.5°	2184.7	1134.2	49.5	34.5	18.9	11.4	9.8	10.1	11.0	12.7	13.0
60°	2414.8	1259.1	43.7	29.0	14.3	9.2	8.2	8.5	9.8	11.4	11.7
62.5°	2805.6	1449.0	37.8	24.1	11.0	7.2	6.5	7.2	8.8	10.7	11.0
65°	3158.0	1526.3	30.9	20.2	8.5	5.6	5.6	6.5	8.5	10.4	10.7
67.5°	2961.6	1284.8	24.1	16.0	6.5	4.3	4.6	6.2	8.2	10.4	10.7
69°	2619.2	1050.5	20.5	12.7	5.6	4.0	4.3	6.2	8.2	10.1	10.4
70°	2352.3	886.9	18.2	10.7	4.9	4.0	4.3	5.9	8.2	10.1	10.4
72.5°	1575.4	479.0	14.6	7.8	4.6	3.6	3.6	5.9	7.8	9.8	10.1
75°	677.1	132.3	11.7	5.6	4.0	3.3	3.3	5.6	7.5	9.4	10.1
77.5°	123.8	33.6	9.4	4.9	4.0	3.3	2.9	5.3	7.2	9.2	9.4
80°	49.1	16.6	7.5	4.3	3.6	2.9	2.6	4.9	6.9	8.8	9.2
82.5°	29.6	9.4	6.2	4.0	3.6	2.6	2.3	4.3	6.5	8.5	8.8
85°	24.1	6.5	4.9	4.0	3.3	2.6	1.9	4.0	5.9	8.2	8.5
87.5°	11.7	4.6	4.6	3.6	3.3	2.6	1.9	3.6	5.6	7.8	8.2
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)