

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: McGRAW-EDISON

Report Number: P200612

Luminaire Tested: **GWC-AF-02-LED-E1-SL3-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-02-LED-E1-SL3-8030-600
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6680 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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: 25 FT

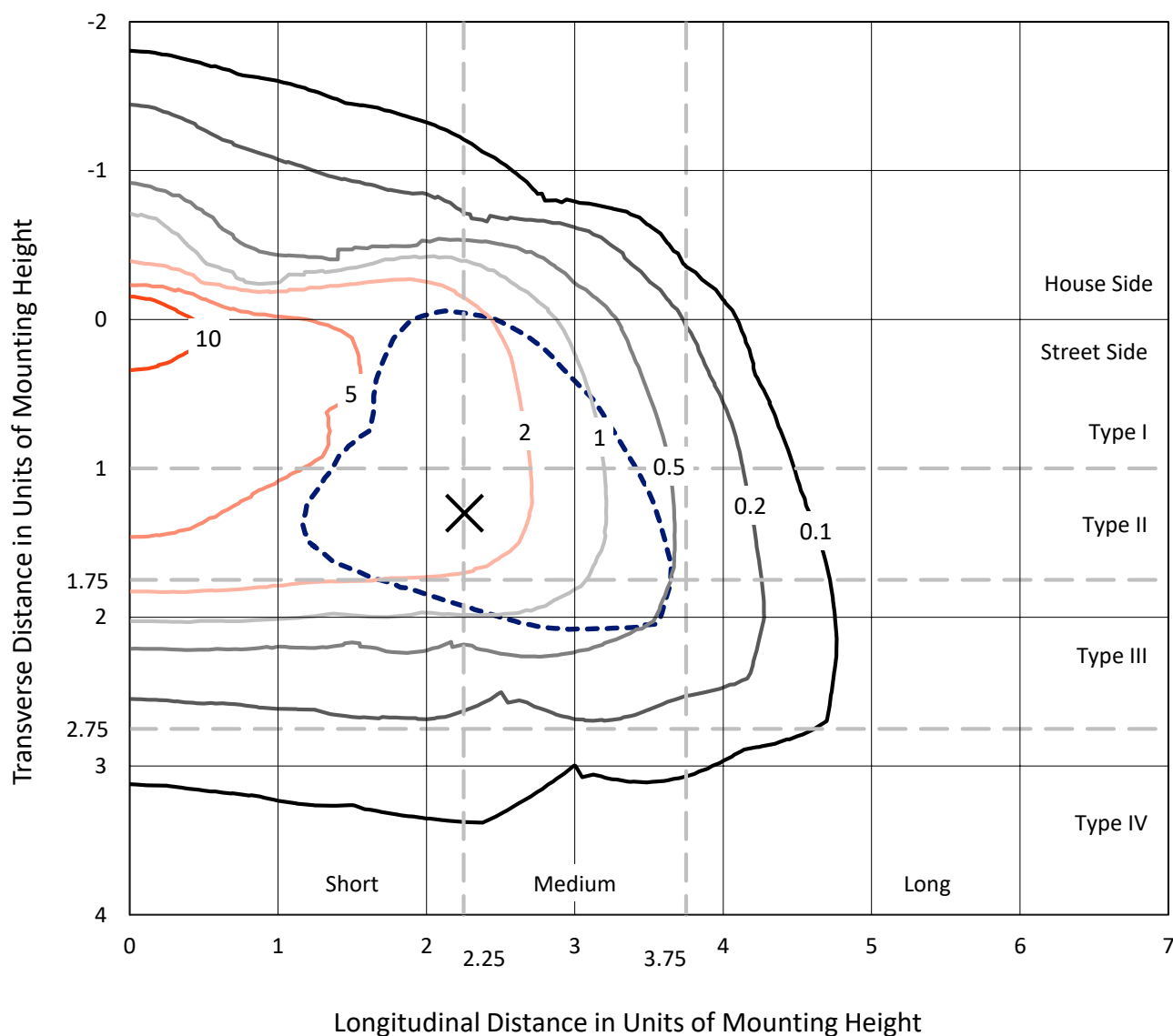


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

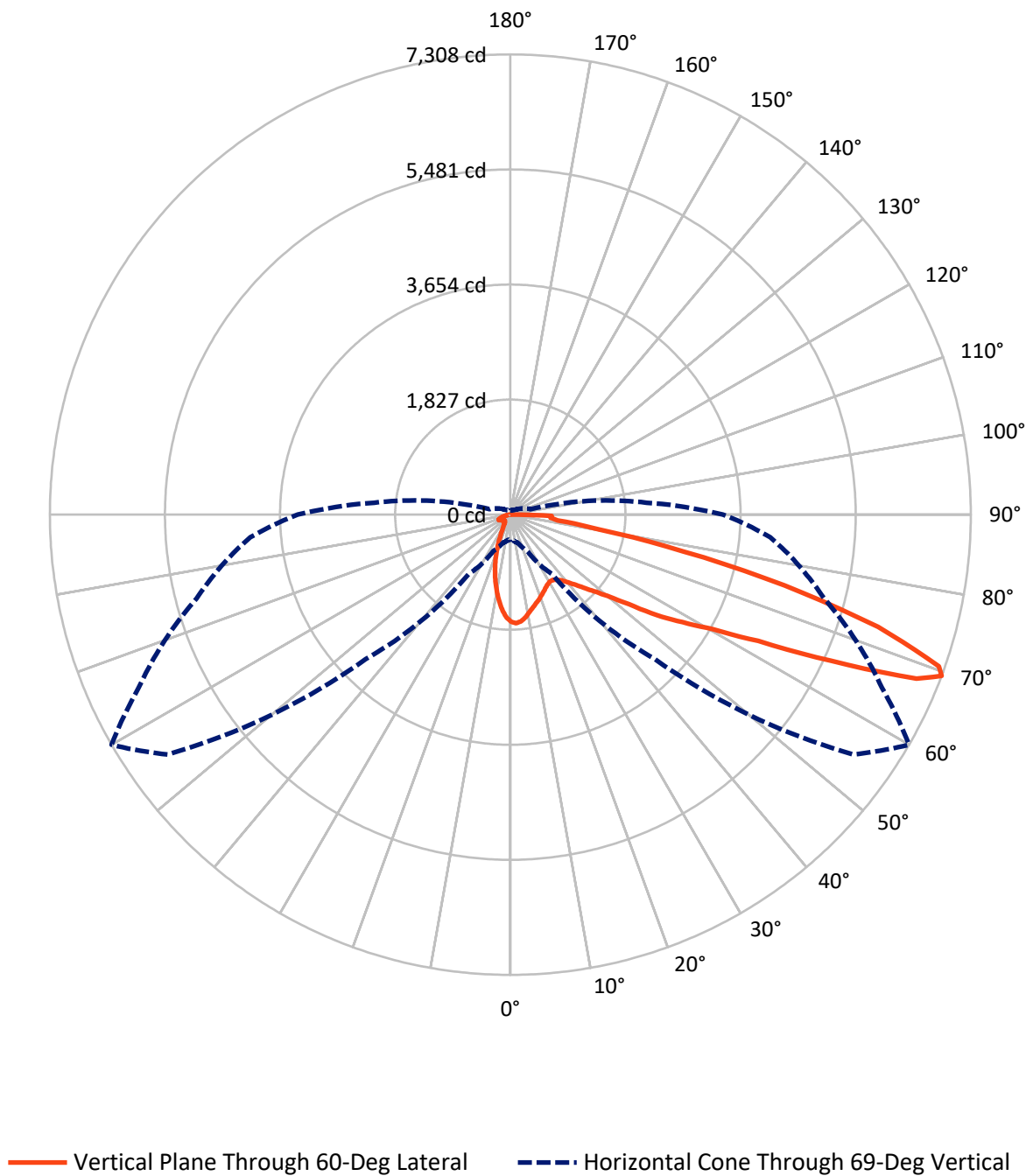


Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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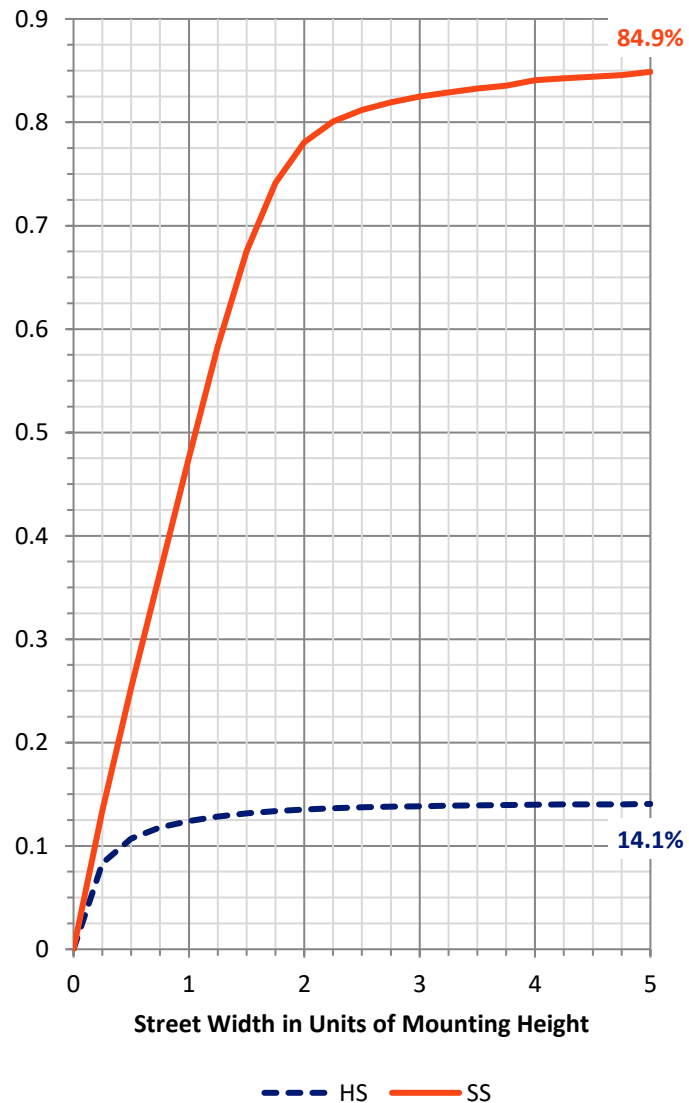
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	950.3	0.0	950.3
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	5729.6	0.0	5729.6
	% Fixture	85.8	0.0	85.8
Total	Lumens	6680.0	0.0	6680.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	2.2
10°-20°	306.6	4.6
20°-30°	390.7	5.8
30°-40°	537.1	8.0
40°-50°	871.5	13.0
50°-60°	1397.7	20.9
60°-70°	1860.3	27.8
70°-80°	1004.4	15.0
80°-90°	167.6	2.5
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°	6680.0	100.0
0°-180°	6680.0	100.0

Coefficient of Utilization



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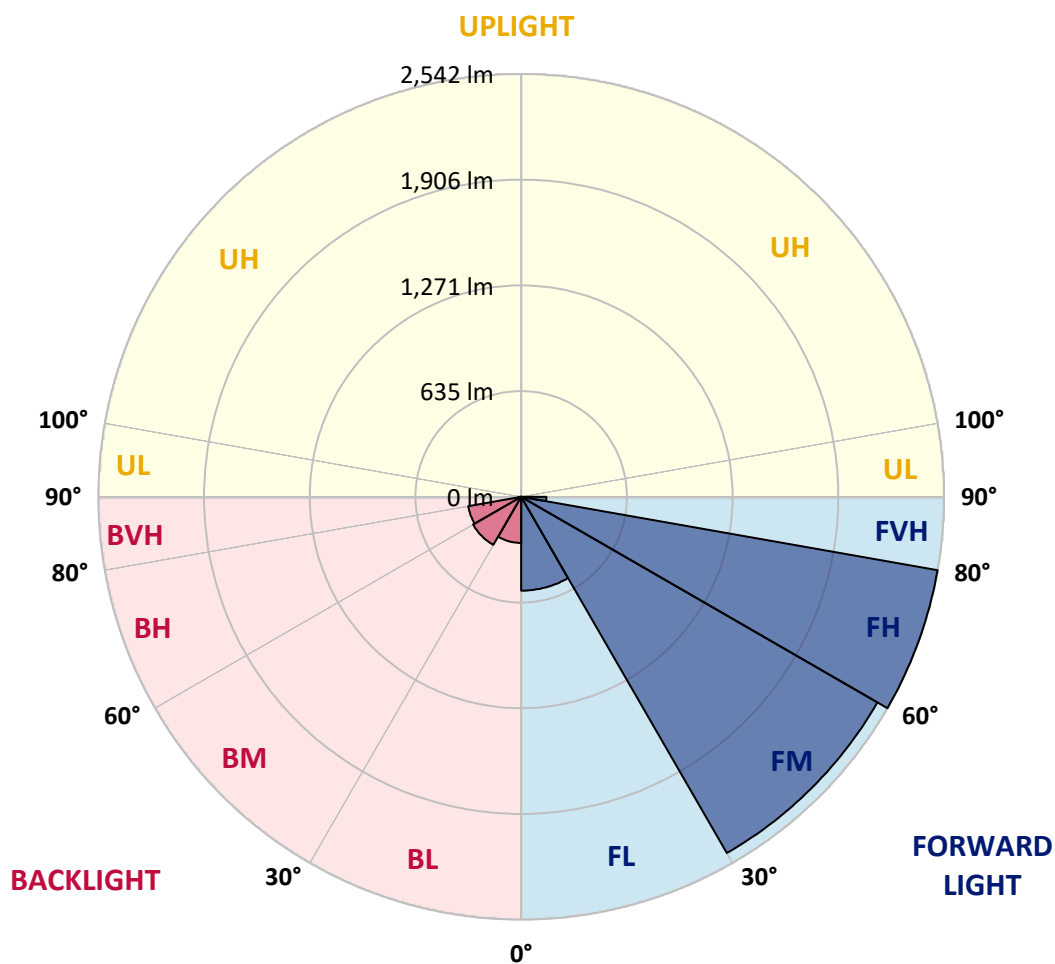
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	564.0	8.4			
FM	(30°-60°)	2472.5	37.0			
FH	(60°-80°)	2541.6	38.0			G2/5000
FVH	(80°-90°)	151.5	2.3			G2/225
BL	(0°-30°)	277.3	4.2	B1/500		
BM	(30°-60°)	333.9	5.0	B1/1000		
BH	(60°-80°)	323.1	4.8	B1/500		G1/500
BVH	(80°-90°)	16.1	0.2			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2
2.5°	1737.0	1740.9	1739.3	1738.3	1741.2	1736.7	1727.3	1724.4	1719.9	1709.3	1691.2
5°	1671.8	1683.4	1682.8	1691.5	1706.0	1709.9	1705.7	1706.4	1698.0	1684.7	1654.7
7.5°	1559.2	1564.1	1566.6	1585.7	1612.1	1633.4	1651.5	1657.3	1653.4	1642.1	1603.4
10°	1443.0	1446.9	1453.1	1475.3	1508.9	1538.2	1572.4	1592.1	1600.5	1598.6	1555.3
12.5°	1343.3	1347.2	1355.3	1380.4	1420.5	1456.6	1506.3	1530.8	1550.8	1562.8	1516.3
15°	1254.0	1262.3	1270.1	1299.1	1344.0	1391.4	1447.6	1478.5	1509.5	1536.3	1481.8
17.5°	1184.3	1192.6	1197.2	1223.6	1271.4	1329.5	1395.3	1431.8	1470.5	1514.4	1447.6
20°	1143.9	1147.8	1145.9	1160.7	1203.6	1265.2	1343.3	1385.6	1432.4	1493.7	1413.4
22.5°	1132.6	1132.9	1125.8	1124.2	1152.0	1203.9	1287.8	1339.1	1396.6	1480.2	1384.0
25°	1160.1	1159.1	1139.7	1123.9	1126.8	1157.1	1234.3	1294.0	1366.6	1477.3	1361.4
27.5°	1221.0	1223.9	1195.2	1165.5	1136.2	1135.2	1193.6	1256.5	1342.0	1490.5	1351.7
30°	1306.6	1311.4	1280.7	1243.0	1187.8	1142.3	1177.8	1234.3	1326.9	1517.9	1350.1
32.5°	1400.1	1405.3	1382.1	1342.4	1270.1	1186.2	1188.8	1236.2	1326.2	1556.3	1361.1
35°	1499.8	1505.7	1493.7	1460.2	1379.8	1267.2	1230.7	1267.5	1347.2	1615.0	1390.5
37.5°	1611.2	1620.2	1623.4	1591.5	1505.7	1374.0	1299.5	1326.9	1394.6	1696.7	1444.3
40°	1771.5	1784.1	1783.2	1737.3	1649.9	1518.2	1405.6	1412.7	1468.5	1805.7	1530.5
42.5°	2078.7	2081.3	2001.0	1901.3	1808.7	1669.9	1530.8	1525.0	1570.5	1943.9	1657.3
45°	2469.5	2458.9	2280.1	2087.5	1974.5	1844.1	1693.8	1665.4	1699.9	2112.3	1816.1
47.5°	2793.8	2769.3	2543.4	2277.5	2150.1	2033.6	1885.1	1835.4	1854.5	2303.3	2021.3
50°	2906.4	2888.0	2700.9	2435.6	2316.2	2264.6	2120.7	2050.3	2055.5	2531.1	2261.7
52.5°	2882.2	2879.6	2754.8	2539.9	2471.8	2507.3	2454.3	2359.2	2308.8	2784.1	2521.1
55°	2825.1	2830.6	2785.4	2661.2	2649.6	2741.5	2890.3	2819.9	2663.4	3039.4	2789.3
57.5°	2626.7	2640.9	2740.2	2813.8	2935.8	3072.6	3241.4	3221.4	3045.2	3315.3	3108.1
60°	2116.2	2149.1	2415.6	2784.1	3230.4	3658.3	3733.8	3687.3	3438.9	3657.6	3529.2
62.5°	1482.7	1516.9	1833.8	2410.5	3182.0	4319.8	4614.1	4413.7	4004.2	4162.0	4074.2
65°	793.8	810.3	1052.3	1672.5	2686.4	4456.3	5900.6	5595.7	4899.3	4783.8	4540.5
67.5°	437.9	446.9	539.5	844.5	1720.6	3924.2	6720.2	6950.6	6018.1	5197.8	4455.6
69°	395.9	404.3	465.0	639.6	1151.3	3244.6	6640.2	7307.9	6508.6	5156.8	4142.0
70°	387.2	395.0	449.5	589.5	931.9	2674.4	6372.1	7216.5	6625.4	5010.0	3868.4
72.5°	348.5	356.9	409.8	529.5	796.4	1333.3	5047.4	6101.7	6015.2	4344.0	2934.2
75°	324.9	332.7	422.4	518.6	762.5	843.8	3327.5	4496.9	4421.8	3038.7	1582.1
77.5°	139.1	138.4	195.9	438.9	773.8	817.0	1788.0	2809.3	2563.1	1298.8	454.3
80°	92.9	91.3	92.9	129.1	709.6	821.6	936.8	1425.9	1077.1	331.1	223.9
82.5°	80.0	78.7	81.6	78.7	249.4	937.7	796.4	758.3	512.1	188.1	111.0
85°	53.9	51.6	70.3	70.7	117.8	833.2	897.1	640.5	414.3	111.6	54.9
87.5°	25.8	25.2	41.0	50.0	69.1	338.5	1006.5	656.3	417.9	57.1	26.1
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°	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2	1702.2
2.5°	1685.7	1672.5	1659.6	1644.1	1627.9	1609.9	1600.8	1591.8	1589.5	1587.0	1577.9
5°	1639.2	1620.5	1588.3	1552.8	1515.3	1478.9	1451.1	1433.7	1420.5	1413.7	1401.7
7.5°	1579.2	1551.8	1495.3	1434.0	1371.1	1313.7	1264.0	1232.7	1203.0	1189.1	1173.3
10°	1522.1	1481.1	1393.4	1303.0	1212.7	1125.8	1044.2	986.4	935.1	906.4	886.1
12.5°	1473.1	1416.9	1295.3	1173.0	1049.1	925.5	803.2	707.0	626.7	584.4	562.8
15°	1425.3	1357.5	1202.0	1046.8	887.7	719.6	558.9	449.8	383.4	356.9	347.9
17.5°	1382.1	1295.3	1108.4	919.7	721.2	517.9	375.6	315.6	290.1	281.4	278.5
20°	1335.3	1232.3	1011.3	786.7	547.6	362.1	293.3	266.9	256.5	254.0	252.7
22.5°	1290.1	1170.4	918.4	644.4	393.4	279.4	252.0	241.0	239.4	241.7	241.7
25°	1251.7	1114.9	818.0	495.6	288.8	235.2	225.6	223.0	229.1	237.5	239.1
27.5°	1223.0	1069.4	711.2	365.9	230.1	204.6	204.3	208.5	223.6	239.8	243.0
30°	1203.3	1026.1	597.0	264.0	193.0	180.1	185.2	194.3	216.5	239.4	245.6
32.5°	1193.3	994.2	477.9	204.3	165.2	158.1	166.8	177.8	199.7	221.0	229.1
35°	1201.0	970.6	365.6	170.4	145.9	140.4	149.4	160.1	173.0	182.0	188.1
37.5°	1230.1	961.3	275.9	152.6	132.6	127.5	134.6	140.7	145.9	148.4	151.3
40°	1292.7	971.3	221.0	143.6	125.2	118.7	121.7	123.9	127.1	129.7	131.0
42.5°	1385.0	1001.3	198.1	140.0	121.3	112.0	111.3	112.3	116.5	121.3	122.3
45°	1514.0	1054.2	196.5	142.3	119.4	106.5	103.6	104.9	111.3	118.7	120.0
47.5°	1678.9	1134.9	209.4	149.1	121.0	103.6	98.7	100.4	108.4	118.4	120.0
50°	1878.7	1247.5	231.0	159.1	128.1	104.2	97.1	98.1	106.5	117.5	119.1
52.5°	2114.6	1407.2	254.6	168.8	135.5	108.4	98.4	96.2	103.9	113.6	115.5
55°	2376.9	1612.1	278.8	177.5	139.4	113.6	101.0	93.6	99.1	107.1	108.7
57.5°	2698.9	1898.7	320.7	185.9	142.0	117.1	103.6	91.0	92.9	98.7	100.0
60°	3134.9	2304.0	394.6	199.7	147.8	118.4	103.3	88.7	86.8	90.0	90.7
62.5°	3657.3	2744.1	456.3	217.2	157.5	119.4	101.3	87.1	81.6	81.6	82.3
65°	3967.4	2861.9	422.1	231.7	165.5	118.4	99.1	85.5	77.8	74.2	74.5
67.5°	3704.4	2516.9	361.7	234.6	165.2	113.9	95.5	82.6	73.9	68.4	68.1
69°	3375.0	2171.7	334.6	226.8	157.5	108.1	91.0	79.4	71.0	65.2	64.9
70°	3109.4	1961.0	316.9	218.5	149.1	103.9	87.4	76.5	68.7	63.2	62.6
72.5°	2260.7	1284.9	270.7	187.8	122.9	87.1	75.5	67.1	61.3	58.1	57.4
75°	1129.7	612.8	219.7	152.3	94.2	69.7	62.0	56.1	53.2	52.6	52.3
77.5°	371.1	280.7	157.1	113.6	70.0	54.5	50.0	45.8	45.2	47.1	46.5
80°	203.9	163.3	99.7	75.2	47.8	40.0	39.4	37.1	38.1	41.3	40.7
82.5°	103.9	84.9	61.6	45.2	32.3	28.7	31.3	30.0	31.3	34.2	33.9
85°	51.3	46.5	39.0	27.4	21.3	18.4	22.3	23.2	23.9	26.1	26.1
87.5°	29.7	27.4	20.7	12.9	10.6	9.7	12.9	12.6	14.8	16.1	15.8
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)