

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: P200596

Luminaire Tested: **GWC-AF-02-LED-E1-SL2-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24286)
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-SL2-8030-600
Description: GALLEON WALL LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6543 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short - Semi-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

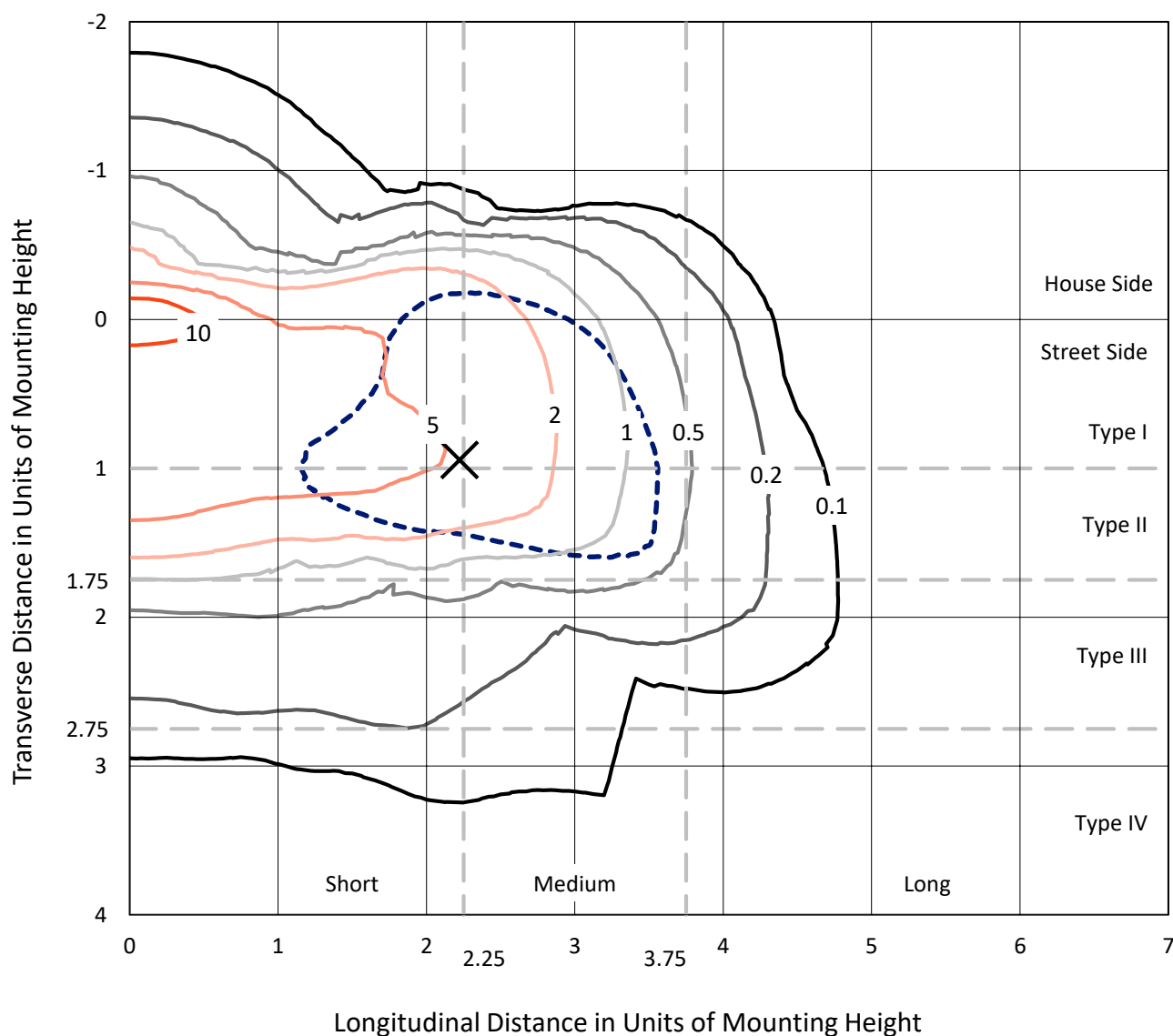


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

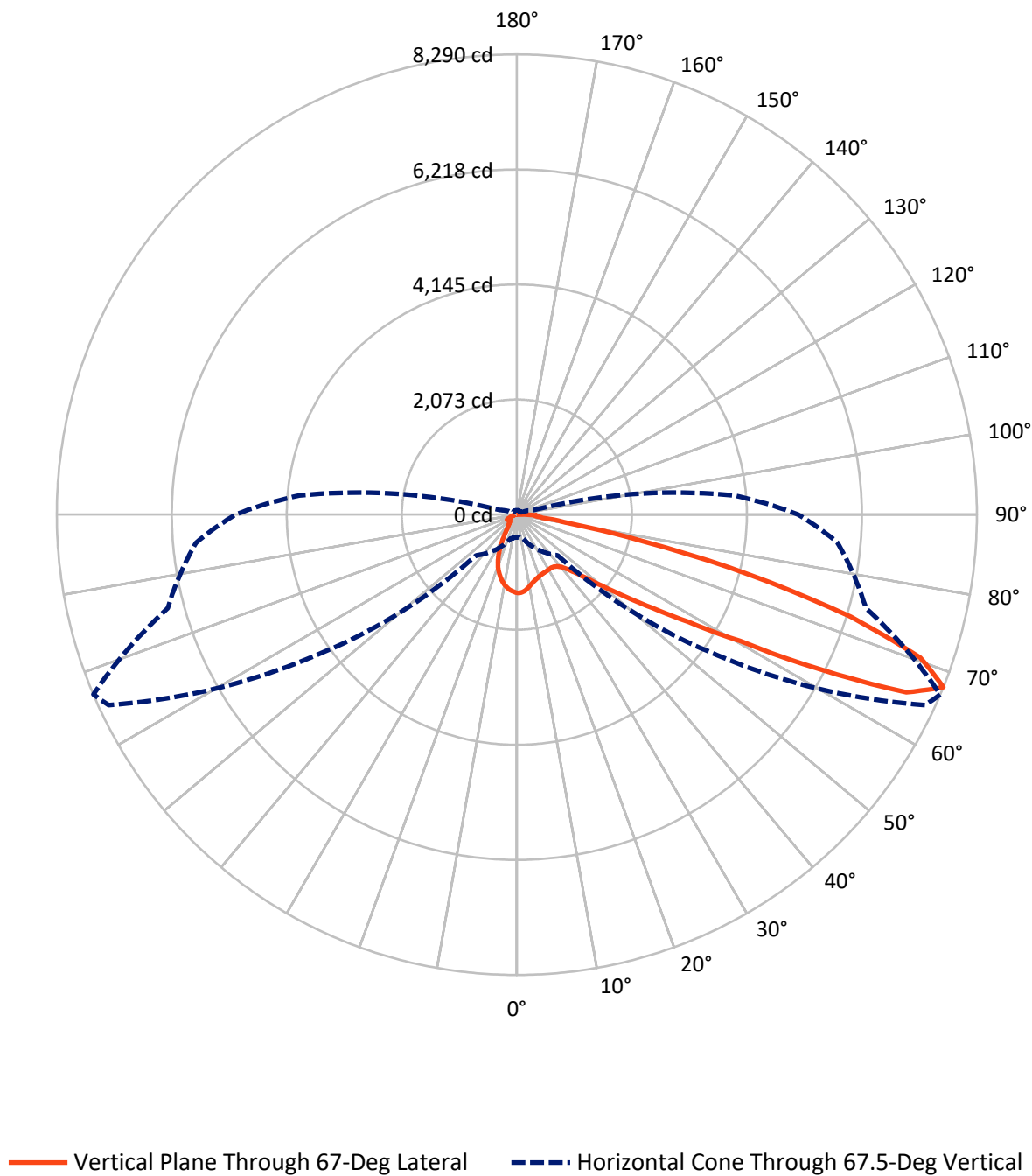


Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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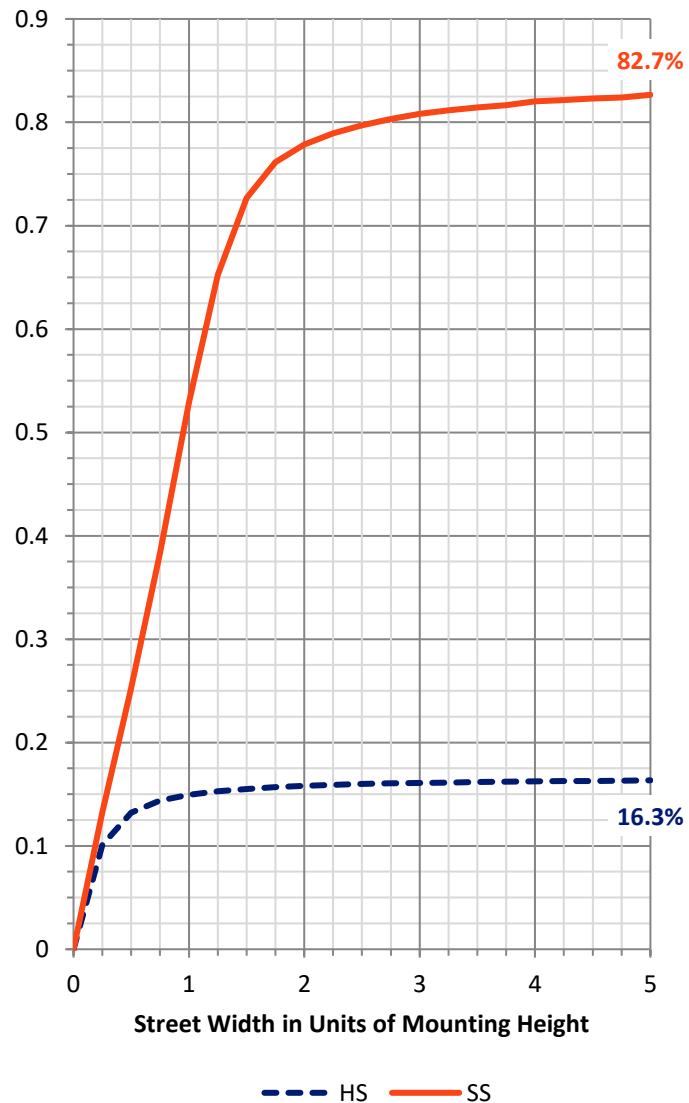
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1084.1	0.0	1084.1
	% Fixture	16.6	0.0	16.6
Street Side	Lumens	5458.9	0.0	5458.9
	% Fixture	83.4	0.0	83.4
Total	Lumens	6543.0	0.0	6543.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	1.8
10°-20°	278.6	4.3
20°-30°	377.6	5.8
30°-40°	536.9	8.2
40°-50°	898.2	13.7
50°-60°	1420.9	21.7
60°-70°	1810.1	27.7
70°-80°	948.1	14.5
80°-90°	152.1	2.3
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°	6543.0	100.0
0°-180°	6543.0	100.0

Coefficient of Utilization



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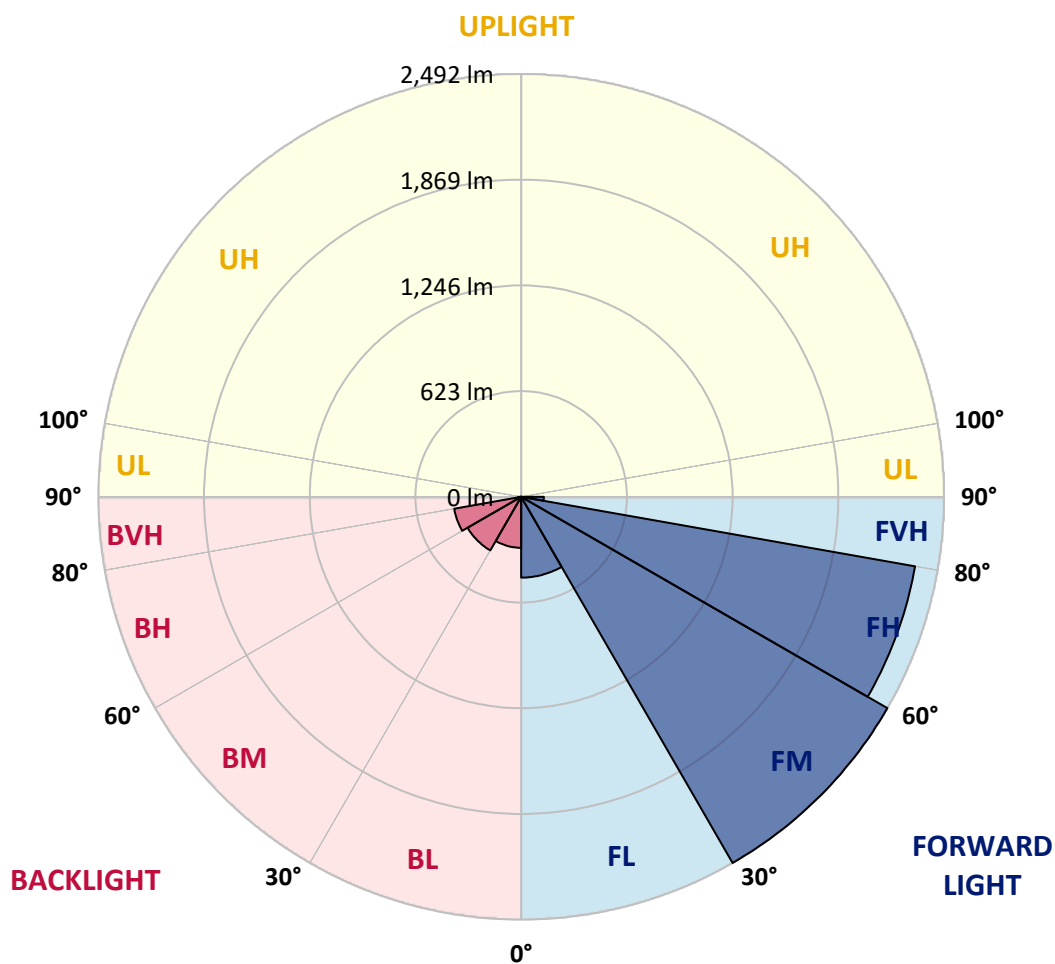
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	476.2	7.3			
FM	(30°-60°)	2491.7	38.1			
FH	(60°-80°)	2357.3	36.0			G2/5000
FVH	(80°-90°)	133.7	2.0			G2/225
BL	(0°-30°)	300.5	4.6	B1/500		
BM	(30°-60°)	364.3	5.6	B1/1000		
BH	(60°-80°)	401.0	6.1	B1/500		G1/500
BVH	(80°-90°)	18.4	0.3			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3
2.5°	1353.2	1355.5	1362.6	1367.1	1387.4	1396.1	1402.3	1408.4	1409.4	1412.3	1409.4
5°	1211.3	1216.1	1229.3	1244.2	1283.5	1314.5	1347.1	1381.0	1387.1	1409.1	1415.2
7.5°	1101.2	1099.9	1110.9	1128.7	1169.0	1211.9	1269.0	1336.5	1349.7	1399.0	1422.9
10°	1020.9	1019.9	1031.5	1049.9	1088.3	1129.0	1193.5	1285.8	1304.5	1383.2	1430.3
12.5°	961.5	961.8	973.5	993.8	1032.8	1073.8	1139.3	1236.8	1260.6	1364.8	1438.1
15°	922.2	924.7	934.1	955.7	993.8	1034.8	1099.0	1200.0	1226.7	1350.3	1446.8
17.5°	908.9	913.1	916.4	932.2	964.7	1005.7	1068.6	1172.9	1201.3	1340.3	1454.5
20°	921.2	926.0	919.9	925.4	946.0	982.2	1044.8	1151.6	1180.6	1329.0	1455.5
22.5°	973.8	978.3	960.2	944.4	943.1	965.1	1025.1	1134.8	1164.8	1320.6	1455.8
25°	1066.4	1069.3	1039.0	1002.2	966.4	958.9	1011.2	1123.2	1155.1	1313.2	1449.7
27.5°	1180.0	1182.2	1147.4	1093.2	1021.2	973.5	1006.4	1116.4	1149.6	1306.8	1439.4
30°	1318.1	1328.7	1281.9	1213.5	1108.7	1016.4	1016.1	1112.8	1143.5	1295.8	1419.1
32.5°	1459.4	1463.9	1431.6	1362.3	1226.4	1091.9	1043.2	1115.4	1141.9	1282.6	1393.2
35°	1602.6	1608.5	1587.5	1531.7	1387.4	1202.5	1096.1	1130.6	1151.9	1278.1	1375.2
37.5°	1788.2	1795.9	1766.9	1702.3	1583.3	1352.6	1184.2	1168.7	1182.5	1291.0	1369.7
40°	2081.5	2077.9	1993.1	1896.9	1797.5	1544.6	1310.0	1233.2	1241.3	1332.6	1386.5
42.5°	2422.8	2414.1	2268.0	2117.0	2033.1	1776.9	1476.5	1345.2	1343.6	1414.5	1445.5
45°	2695.2	2688.1	2556.4	2370.3	2303.1	2041.5	1691.7	1512.0	1500.0	1544.6	1554.6
47.5°	2842.6	2842.9	2767.1	2615.1	2613.5	2377.7	1968.2	1753.3	1732.7	1753.6	1743.0
50°	2791.0	2797.8	2789.7	2741.3	2896.8	2818.4	2329.3	2089.9	2048.2	2068.9	2027.9
52.5°	2541.3	2550.0	2597.7	2671.9	3015.9	3351.1	2859.7	2508.0	2459.6	2452.2	2406.7
55°	2098.6	2109.2	2206.7	2408.3	2916.8	3709.0	3696.7	3041.1	2963.9	2893.9	2874.6
57.5°	1446.5	1464.2	1621.0	1920.5	2596.4	3817.1	4693.4	3800.9	3644.1	3399.5	3404.0
60°	815.4	836.0	1020.9	1292.9	1949.8	3699.6	5451.6	4951.8	4620.8	3991.6	4025.2
62.5°	518.5	540.8	681.1	898.3	1170.0	3067.2	5762.4	6551.9	6131.5	4721.5	4754.4
65°	419.8	429.5	495.6	741.5	849.6	1847.9	5526.5	7870.0	7713.2	5647.8	5494.2
67.5°	409.8	413.0	447.2	622.4	814.7	1038.6	4408.2	8116.5	8290.4	6512.9	5802.4
70°	404.9	416.2	504.0	594.0	780.2	876.0	2649.0	7440.8	7715.4	6739.0	5392.3
72.5°	196.5	195.9	253.6	537.2	878.9	908.6	1361.0	6020.5	6296.0	5838.5	4431.1
75°	158.4	144.9	138.4	196.8	845.0	938.3	867.3	4142.6	4342.0	3914.5	2723.9
77.5°	150.4	134.2	122.9	123.3	357.2	995.1	734.7	2292.8	2350.9	1768.2	746.3
80°	124.5	109.7	101.6	114.5	172.9	947.6	794.4	1037.7	952.2	434.3	248.4
82.5°	86.5	78.7	76.5	96.2	138.4	675.3	923.8	557.6	467.5	217.5	153.3
85°	55.2	47.1	52.3	70.0	107.8	311.7	951.5	434.6	345.6	138.1	86.5
87.5°	25.5	20.7	25.8	38.7	70.3	107.4	905.4	488.2	355.9	72.9	54.5
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°	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3	1411.3
2.5°	1412.0	1405.8	1401.0	1391.9	1381.9	1372.3	1363.6	1352.6	1349.4	1346.5	1351.0
5°	1416.5	1410.3	1392.6	1364.8	1334.2	1305.5	1276.8	1252.2	1237.1	1228.7	1233.5
7.5°	1423.2	1414.5	1377.8	1326.8	1271.6	1221.3	1169.3	1127.7	1097.0	1082.5	1086.7
10°	1429.4	1412.6	1352.6	1276.1	1195.5	1120.6	1038.6	970.9	920.5	894.1	900.5
12.5°	1432.0	1405.2	1317.4	1212.9	1102.2	992.5	871.8	770.5	698.2	671.8	666.3
15°	1434.5	1396.8	1278.7	1140.9	989.6	834.4	665.3	544.0	484.0	470.8	467.9
17.5°	1435.2	1382.3	1234.8	1062.8	857.6	646.3	454.9	377.8	378.2	399.5	402.0
20°	1428.4	1360.7	1181.6	965.7	699.5	446.9	312.3	299.1	347.8	401.1	407.5
22.5°	1412.9	1331.9	1121.2	852.5	518.5	294.3	241.7	256.2	319.1	384.3	391.7
25°	1393.2	1297.1	1049.9	721.1	343.3	210.4	202.6	220.4	263.0	306.5	310.7
27.5°	1366.5	1255.8	969.9	570.8	223.0	173.3	178.4	190.4	207.8	227.2	229.1
30°	1331.9	1206.4	884.4	416.2	168.4	155.8	163.3	169.7	177.1	188.1	189.1
32.5°	1292.2	1159.0	796.6	287.5	149.4	146.8	152.6	155.8	161.7	168.4	169.1
35°	1259.0	1113.8	705.7	203.3	141.3	140.0	143.9	145.2	150.7	158.1	158.7
37.5°	1240.0	1077.0	611.8	163.9	135.8	133.9	136.2	136.2	143.9	154.9	156.5
40°	1241.3	1056.7	517.9	148.1	131.3	128.7	129.1	129.1	139.1	151.0	152.0
42.5°	1276.4	1061.9	434.6	142.0	127.8	124.9	123.3	124.2	132.6	140.4	141.0
45°	1359.0	1098.3	356.5	138.1	124.2	123.3	119.7	119.4	122.6	126.2	126.2
47.5°	1494.6	1170.3	303.6	135.5	121.3	121.0	116.8	112.6	112.3	113.6	113.6
50°	1714.9	1294.2	268.1	132.6	119.4	116.8	112.0	105.5	103.3	104.2	104.2
52.5°	2045.3	1515.2	254.6	128.7	115.2	111.0	105.5	99.1	97.1	97.4	97.4
55°	2478.7	1854.6	252.6	124.2	110.7	103.9	99.4	94.5	92.3	92.9	92.9
57.5°	3008.1	2324.1	287.2	117.1	104.5	96.8	94.2	91.0	89.4	90.3	90.0
60°	3651.9	2938.5	425.9	109.7	98.4	90.3	90.3	87.8	86.5	87.4	87.1
62.5°	4393.3	3644.1	598.9	104.2	92.0	85.2	86.5	85.2	83.9	84.5	84.2
65°	5050.9	4103.9	560.8	100.0	85.5	80.3	82.6	82.0	81.0	81.6	81.3
67.5°	5069.9	3933.5	314.9	95.5	79.4	75.5	78.7	78.4	77.8	78.4	78.1
70°	4524.6	3321.4	177.5	87.1	72.9	69.7	74.2	73.9	73.2	74.5	74.2
72.5°	3625.1	2410.3	129.7	76.8	66.5	63.6	68.7	68.4	68.4	70.3	69.4
75°	2086.0	1240.3	103.6	65.8	59.7	57.4	62.0	62.3	62.9	65.5	63.6
77.5°	594.7	386.5	84.5	55.8	51.3	50.3	54.9	55.5	55.8	58.7	56.1
80°	221.0	178.1	69.7	46.8	41.9	42.3	46.5	47.4	47.8	50.7	47.4
82.5°	141.0	117.4	56.5	36.1	32.9	32.6	37.8	39.0	39.0	39.4	37.4
85°	82.3	70.3	42.6	26.1	23.2	22.3	28.1	30.3	29.4	28.7	27.4
87.5°	55.2	48.4	26.1	14.5	12.6	11.9	16.5	18.1	17.4	16.5	15.5
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)