

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635568

Luminaire Tested: GWS-SA3E-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635568
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8642 lumens
Efficiency: N/A
Efficacy: 54.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G1

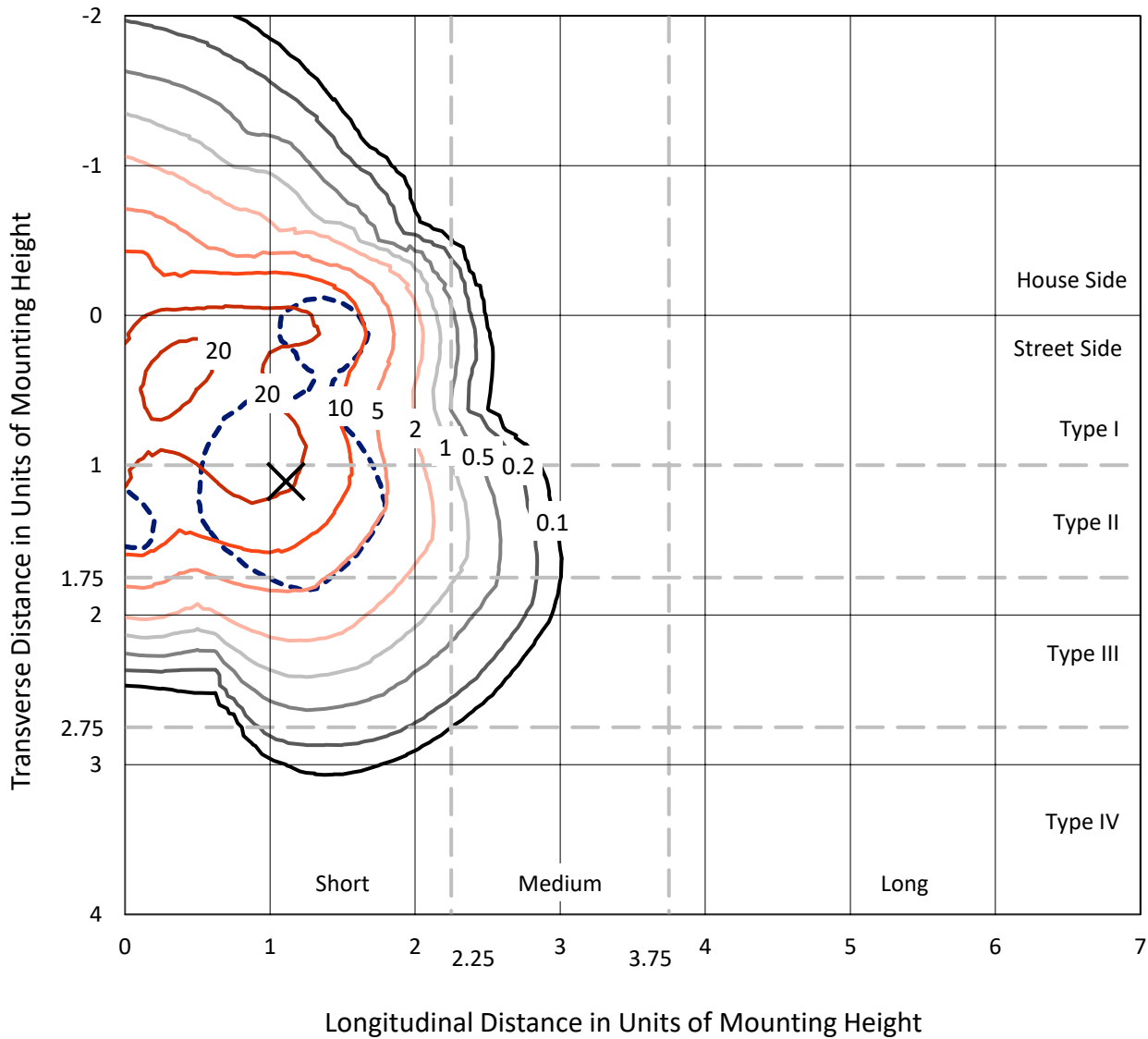
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

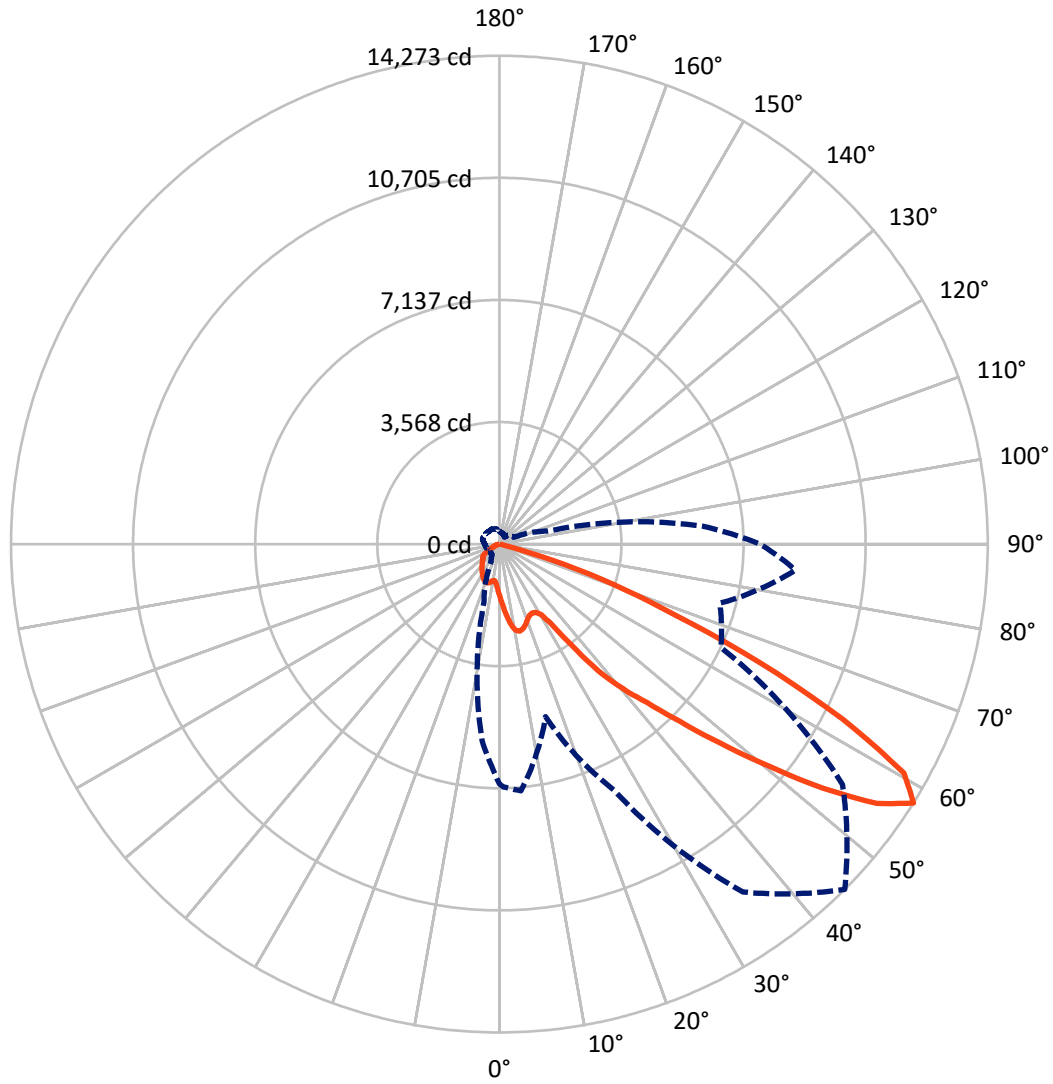
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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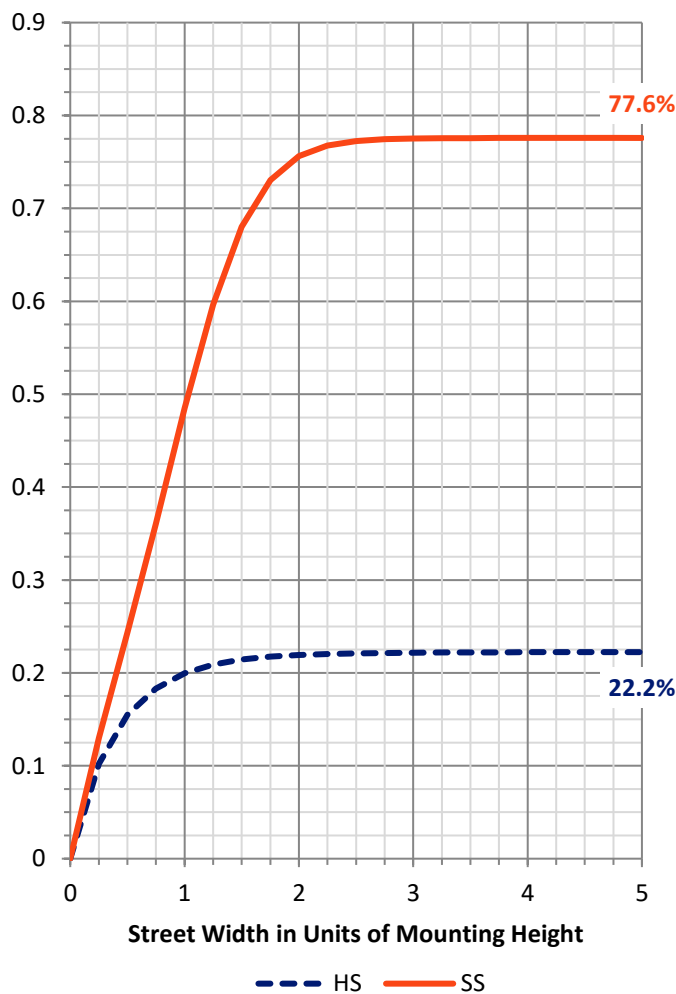
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1935.2	0.0	1935.2
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	6706.8	0.0	6706.8
	% Fixture	77.6	0.0	77.6
Total	Lumens	8642.0	0.0	8642.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.4	1.7
10°-20°	483.4	5.6
20°-30°	785.2	9.1
30°-40°	1213.3	14.0
40°-50°	1945.5	22.5
50°-60°	2659.0	30.8
60°-70°	1287.8	14.9
70°-80°	117.9	1.4
80°-90°	0.3	0.0
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°	8642.0	100.0
0°-180°	8642.0	100.0

Coefficient of Utilization



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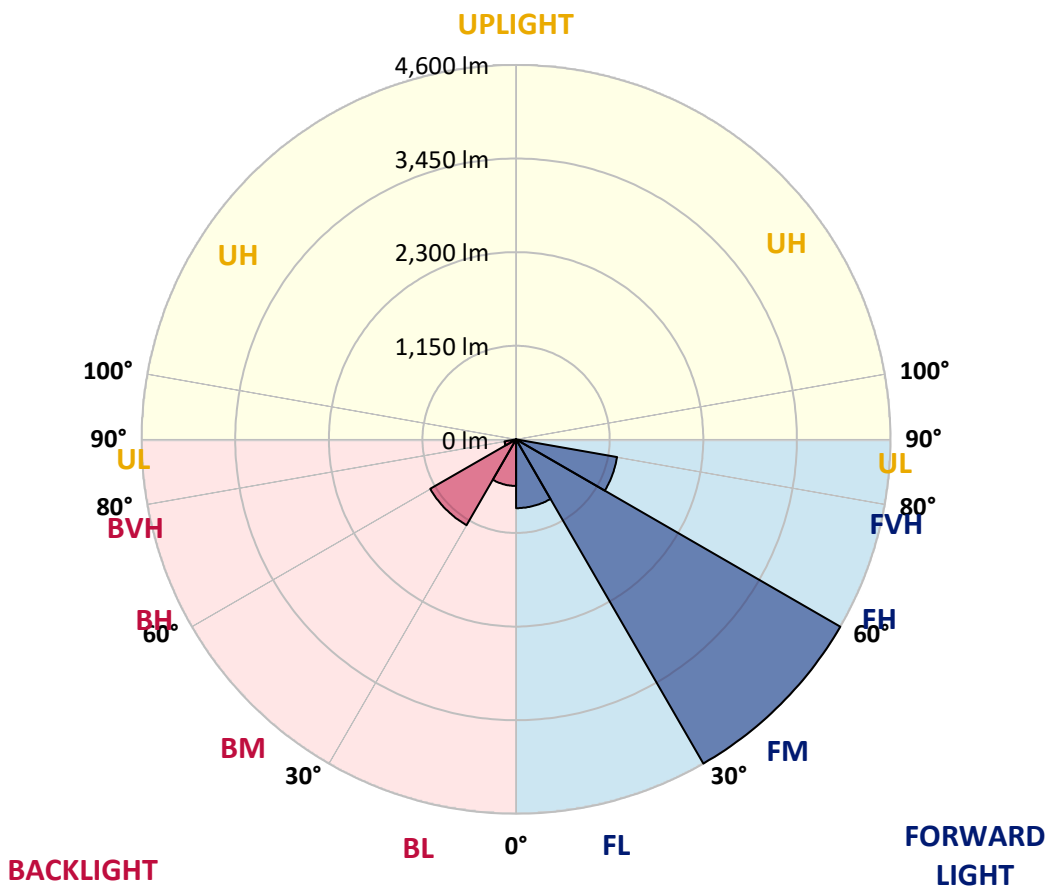
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	845.5	9.8			
FM (30°-60°)	4600.3	53.2			
FH (60°-80°)	1260.7	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	572.6	6.6	B2/1000		
BM (30°-60°)	1217.5	14.1	B2/2500		
BH (60°-80°)	145.0	1.7	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9
2.5°	1645.5	1656.0	1673.4	1710.5	1741.9	1762.8	1772.1	1769.8	1757.0	1747.7	1729.1
5°	1822.0	1822.0	1855.7	1940.5	2005.5	2046.1	2067.0	2054.3	2028.7	1988.1	1925.4
7.5°	1976.5	1982.3	2039.2	2159.9	2258.6	2316.7	2350.4	2343.4	2298.1	2220.3	2094.9
10°	2097.2	2104.2	2179.7	2327.2	2443.3	2502.5	2552.4	2557.1	2507.2	2403.8	2259.8
12.5°	2214.5	2221.5	2300.5	2442.1	2544.3	2568.7	2612.8	2630.2	2617.5	2544.3	2394.5
15°	2341.1	2357.4	2424.7	2530.4	2573.3	2544.3	2573.3	2604.7	2647.7	2640.7	2506.0
17.5°	2465.3	2477.0	2545.5	2582.6	2535.0	2459.5	2473.5	2510.6	2608.2	2703.4	2616.3
20°	2580.3	2596.6	2653.5	2604.7	2460.7	2343.4	2344.6	2393.4	2542.0	2741.7	2729.0
22.5°	2701.1	2725.5	2766.1	2629.1	2392.2	2251.7	2257.5	2301.6	2489.7	2777.7	2856.7
25°	2859.0	2882.2	2908.9	2689.5	2370.1	2206.4	2228.5	2269.1	2489.7	2839.3	3014.6
27.5°	3072.7	3088.9	3090.1	2802.1	2408.4	2213.4	2259.8	2306.3	2564.1	2962.4	3226.0
30°	3340.9	3366.5	3332.8	2977.5	2528.1	2306.3	2374.8	2432.8	2724.3	3170.2	3537.2
32.5°	3667.2	3703.2	3658.0	3237.6	2777.7	2626.8	2751.0	2784.7	2979.8	3471.0	3890.2
35°	4050.5	4080.7	4031.9	3597.6	3360.7	3388.5	3613.8	3570.9	3493.1	3841.4	4302.5
37.5°	4470.8	4498.7	4404.6	4143.4	4222.3	4343.1	4703.1	4555.6	4304.8	4318.7	4749.5
40°	4856.4	4886.6	4739.1	4736.8	4899.3	5120.0	5554.3	5351.1	5009.7	4943.5	5168.8
42.5°	5255.8	5276.8	5143.2	5052.6	5421.9	5876.0	6335.8	6061.8	5476.5	5404.5	5693.6
45°	5826.0	5870.2	5632.1	5208.2	5892.2	6745.7	7386.8	6851.4	5794.7	5736.6	6497.2
47.5°	6664.5	6697.0	6211.6	5305.8	6330.0	7829.2	8700.1	7875.6	6074.5	5942.2	7595.8
50°	7357.7	7379.8	6744.6	5412.6	6795.7	8997.4	10197.0	9090.3	6389.2	6282.4	8621.2
52.5°	7868.7	7952.3	7444.8	5632.1	7407.7	10371.2	11854.1	10529.1	6880.4	6939.7	9471.2
55°	7974.4	8088.2	7923.3	5766.8	7946.5	11770.5	13384.6	11817.0	7370.5	7437.9	9756.9
57.5°	7008.2	7098.8	7235.8	5223.3	7933.7	12411.5	14273.0	12244.3	7147.5	6670.3	8687.4
60°	5250.0	5312.8	5561.3	3992.4	7296.2	11844.8	13580.9	11517.3	6249.9	5089.8	6619.2
62.5°	3113.3	3141.2	3455.9	2586.1	6056.0	10200.5	11263.0	9938.0	4938.8	3423.4	4053.9
65°	1194.9	1183.3	1423.7	1276.2	4453.4	8125.3	8377.3	7576.0	3388.5	1568.9	1545.6
67.5°	184.6	176.5	238.1	377.4	3212.0	5630.9	5527.6	5460.2	2122.8	365.8	319.3
70°	41.8	41.8	51.1	111.5	1962.5	3308.4	3540.7	3375.8	1358.7	77.8	41.8
72.5°	19.7	19.7	24.4	47.6	710.7	1363.3	1588.6	1564.2	441.3	25.5	15.1
75°	7.0	8.1	8.1	10.5	43.0	70.8	162.6	116.1	27.9	0.0	0.0
77.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9
2.5°	1688.5	1680.3	1650.1	1609.5	1570.0	1535.2	1499.2	1456.2	1424.9	1388.9	1377.3
5°	1876.6	1825.5	1743.0	1657.1	1578.1	1510.8	1445.8	1376.1	1325.0	1273.9	1256.5
7.5°	2035.7	1960.2	1826.7	1697.8	1589.8	1494.5	1400.5	1305.3	1230.9	1170.5	1152.0
10°	2178.5	2091.4	1912.6	1753.5	1617.6	1507.3	1393.5	1273.9	1177.5	1105.5	1088.1
12.5°	2301.6	2200.6	1985.7	1795.3	1629.2	1502.7	1392.3	1297.1	1210.0	1127.6	1105.5
15°	2405.0	2293.5	2047.3	1823.2	1611.8	1444.6	1348.2	1333.1	1326.2	1235.6	1192.6
17.5°	2506.0	2380.6	2097.2	1835.9	1563.1	1342.4	1272.7	1341.3	1414.4	1355.2	1300.6
20°	2611.7	2468.8	2148.3	1838.3	1481.8	1227.4	1215.8	1323.8	1416.7	1398.2	1347.1
22.5°	2735.9	2579.2	2212.2	1837.1	1379.6	1129.9	1174.0	1290.2	1365.6	1364.5	1323.8
25°	2915.9	2718.5	2298.1	1844.1	1268.1	1054.4	1127.6	1233.3	1294.8	1292.5	1258.8
27.5°	3108.7	2884.6	2409.6	1861.5	1172.9	1010.3	1073.0	1155.5	1208.9	1206.5	1177.5
30°	3379.3	3076.2	2516.4	1862.7	1104.4	987.1	1012.6	1069.5	1120.6	1114.8	1092.7
32.5°	3707.9	3292.2	2605.9	1796.5	1061.4	965.0	949.9	978.9	1018.4	1010.3	1004.5
35°	4105.0	3548.8	2682.5	1651.3	995.2	920.9	880.2	886.0	913.9	918.6	916.2
37.5°	4557.9	3854.2	2777.7	1459.7	905.8	857.0	802.4	797.8	814.0	829.1	840.8
40°	5005.0	4197.9	2906.6	1265.8	824.5	775.7	723.5	711.9	718.8	745.5	769.9
42.5°	5507.8	4596.3	3046.0	1099.7	768.8	686.3	636.4	614.3	634.0	677.0	706.0
45°	6232.5	5154.8	3181.8	967.3	745.5	607.3	540.0	537.7	559.7	615.5	648.0
47.5°	7249.7	5877.1	3271.3	864.0	744.4	545.8	465.7	479.6	505.1	559.7	596.9
50°	8241.4	6781.7	3172.6	785.0	720.0	505.1	409.9	437.8	463.3	511.0	549.3
52.5°	8839.5	7268.3	2788.2	710.7	644.5	486.6	355.3	404.1	408.8	451.7	492.4
55°	8776.8	6953.6	2135.6	595.7	533.0	459.9	298.4	364.6	367.0	399.5	434.3
57.5°	7617.8	5970.0	1466.7	483.1	400.6	379.7	246.2	307.7	329.8	349.5	375.1
60°	5677.4	4355.9	653.8	392.5	254.3	256.6	210.2	232.3	265.9	289.2	311.2
62.5°	3345.6	2506.0	265.9	235.7	140.5	161.4	169.5	169.5	190.4	207.9	221.8
65°	1264.6	876.7	108.0	118.4	73.2	75.5	99.9	123.1	139.4	154.4	173.0
67.5°	221.8	153.3	55.7	44.1	43.0	38.3	51.1	80.1	89.4	101.0	109.2
70°	37.2	31.4	23.2	22.1	19.7	20.9	33.7	56.9	62.7	66.2	69.7
72.5°	10.5	9.3	7.0	5.8	4.6	5.8	20.9	44.1	46.5	48.8	52.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	8.1	31.4	33.7	34.8	38.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.0	9.3	11.6	9.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9
2.5°	1370.3	1347.1	1334.3	1327.3	1327.3	1318.0	1307.6	1304.1	1319.2	1319.2	1344.7
5°	1234.4	1215.8	1194.9	1182.2	1162.4	1165.9	1154.3	1153.1	1168.2	1175.2	1201.9
7.5°	1140.4	1117.1	1104.4	1096.2	1085.8	1081.1	1070.7	1067.2	1075.3	1086.9	1112.5
10°	1077.6	1074.2	1073.0	1078.8	1078.8	1073.0	1063.7	1057.9	1060.2	1082.3	1111.3
12.5°	1093.9	1100.9	1103.2	1112.5	1117.1	1112.5	1105.5	1107.8	1122.9	1163.6	1206.5
15°	1164.7	1158.9	1156.6	1161.3	1164.7	1160.1	1157.8	1175.2	1227.4	1285.5	1334.3
17.5°	1240.2	1203.1	1186.8	1186.8	1189.1	1186.8	1189.1	1222.8	1307.6	1365.6	1401.6
20°	1278.5	1210.0	1184.5	1178.7	1183.3	1184.5	1192.6	1230.9	1323.8	1364.5	1372.6
22.5°	1266.9	1181.0	1152.0	1147.3	1152.0	1156.6	1164.7	1197.3	1284.4	1305.3	1301.8
25°	1208.9	1124.1	1100.9	1100.9	1111.3	1110.2	1113.6	1136.9	1208.9	1221.6	1215.8
27.5°	1135.7	1055.6	1035.8	1047.5	1056.7	1054.4	1055.6	1075.3	1128.7	1132.2	1126.4
30°	1061.4	991.7	973.1	987.1	999.8	997.5	998.7	1018.4	1052.1	1048.6	1040.5
32.5°	985.9	934.8	920.9	929.0	948.7	946.4	951.1	972.0	984.7	969.6	960.4
35°	916.2	889.5	879.1	883.7	898.8	902.3	910.4	924.4	924.4	905.8	889.5
37.5°	851.2	847.7	840.8	834.9	848.9	859.3	870.9	887.2	864.0	837.3	822.2
40°	790.8	805.9	796.6	781.5	789.7	804.8	828.0	840.8	812.9	786.2	760.6
42.5°	735.1	760.6	757.1	738.6	745.5	759.5	786.2	796.6	764.1	733.9	709.5
45°	681.7	717.7	720.0	696.8	703.7	717.7	749.0	752.5	710.7	678.2	660.8
47.5°	635.2	674.7	675.9	658.4	660.8	680.5	709.5	710.7	663.1	632.9	610.8
50°	591.1	636.4	639.9	624.8	627.1	650.3	674.7	670.0	619.0	587.6	567.9
52.5°	537.7	599.2	607.3	600.4	609.7	628.2	643.3	627.1	567.9	536.5	519.1
55°	479.6	559.7	577.1	572.5	583.0	598.0	601.5	591.1	516.8	485.4	469.1
57.5°	412.2	461.0	491.2	481.9	490.1	505.1	515.6	507.5	451.7	427.3	413.4
60°	341.4	373.9	380.9	365.8	358.8	385.5	409.9	399.5	351.9	336.8	320.5
62.5°	249.7	286.8	291.5	271.7	263.6	292.6	313.5	303.1	250.8	234.6	221.8
65°	199.7	234.6	243.9	225.3	220.6	242.7	255.5	229.9	192.8	175.3	161.4
67.5°	131.2	159.1	183.5	182.3	173.0	180.0	170.7	149.8	123.1	113.8	104.5
70°	81.3	97.5	112.6	118.4	117.3	115.0	102.2	87.1	79.0	75.5	70.8
72.5°	62.7	79.0	90.6	94.1	95.2	91.7	81.3	67.4	59.2	54.6	51.1
75°	46.5	59.2	68.5	73.2	75.5	73.2	62.7	53.4	45.3	41.8	38.3
77.5°	16.3	19.7	24.4	26.7	25.5	24.4	22.1	22.1	17.4	16.3	13.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9	1518.9
2.5°	1373.8	1394.7	1433.0	1467.8	1505.0	1543.3	1585.1	1628.1	1647.8	1645.5
5°	1242.5	1287.8	1350.5	1419.1	1495.7	1578.1	1669.9	1763.9	1804.6	1822.0
7.5°	1160.1	1224.0	1306.4	1393.5	1494.5	1611.8	1750.0	1897.5	1956.7	1976.5
10°	1170.5	1244.9	1313.4	1398.2	1506.2	1658.3	1830.1	2005.5	2075.2	2097.2
12.5°	1255.3	1271.6	1290.2	1359.8	1495.7	1693.1	1903.3	2112.3	2192.5	2214.5
15°	1332.0	1256.5	1221.6	1285.5	1458.5	1717.5	1977.6	2227.3	2315.5	2341.1
17.5°	1335.4	1221.6	1143.8	1193.8	1398.2	1728.0	2050.8	2344.6	2441.0	2465.3
20°	1292.5	1183.3	1083.5	1084.6	1315.7	1725.6	2111.2	2450.3	2558.2	2580.3
22.5°	1229.8	1138.0	1034.7	998.7	1227.4	1721.0	2177.4	2562.9	2680.2	2701.1
25°	1160.1	1080.0	988.2	933.7	1139.2	1725.6	2270.3	2710.4	2839.3	2859.0
27.5°	1084.6	1016.1	952.2	908.1	1064.9	1743.0	2381.7	2898.5	3051.8	3072.7
30°	1005.6	954.6	929.0	902.3	1018.4	1747.7	2502.5	3118.0	3311.9	3340.9
32.5°	927.8	900.0	901.1	905.8	974.3	1715.2	2612.8	3361.8	3620.8	3667.2
35°	855.8	847.7	870.9	894.2	910.4	1631.6	2709.2	3649.8	4002.9	4050.5
37.5°	794.3	801.3	830.3	853.5	840.8	1513.1	2837.0	4009.8	4430.2	4470.8
40°	735.1	752.5	786.2	796.6	787.3	1374.9	2990.2	4357.0	4800.6	4856.4
42.5°	680.5	693.3	740.9	743.2	772.2	1234.4	3137.7	4731.0	5226.8	5255.8
45°	636.4	634.0	682.8	697.9	792.0	1078.8	3281.7	5229.1	5784.2	5826.0
47.5°	593.4	591.1	602.7	671.2	800.1	934.8	3424.5	5958.4	6592.5	6664.5
50°	552.8	556.2	520.2	658.4	756.0	824.5	3489.6	6633.1	7327.5	7357.7
52.5°	516.8	504.0	441.3	616.6	661.9	720.0	3304.9	6939.7	7782.7	7868.7
55°	465.7	394.8	363.5	500.5	522.6	628.2	2706.9	6762.0	7822.2	7974.4
57.5°	398.3	310.1	308.9	369.3	369.3	583.0	1733.8	5777.3	6741.1	7008.2
60°	306.6	240.4	255.5	256.6	236.9	425.0	973.1	4185.2	4984.1	5250.0
62.5°	218.3	183.5	192.8	153.3	135.9	212.5	466.8	2409.6	3076.2	3113.3
65°	146.3	124.3	101.0	84.8	83.6	90.6	192.8	870.9	1059.1	1194.9
67.5°	96.4	75.5	53.4	53.4	60.4	60.4	73.2	144.0	202.1	184.6
70°	62.7	52.3	33.7	32.5	39.5	39.5	37.2	39.5	41.8	41.8
72.5°	46.5	39.5	19.7	17.4	22.1	23.2	20.9	19.7	19.7	19.7
75°	34.8	27.9	11.6	8.1	10.5	13.9	11.6	8.1	8.1	7.0
77.5°	13.9	10.5	4.6	3.5	5.8	8.1	7.0	3.5	2.3	2.3
80°	1.2	2.3	2.3	2.3	3.5	4.6	5.8	2.3	1.2	1.2
82.5°	0.0	1.2	1.2	1.2	2.3	3.5	4.6	2.3	1.2	1.2
85°	0.0	0.0	0.0	0.0	2.3	3.5	2.3	1.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.2	3.5	2.3	1.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)