

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: P634908

Luminaire Tested: GWS-SA3C-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634908
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-SA3C-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7508.2 lumens
Efficiency: N/A
Efficacy: 80.7 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

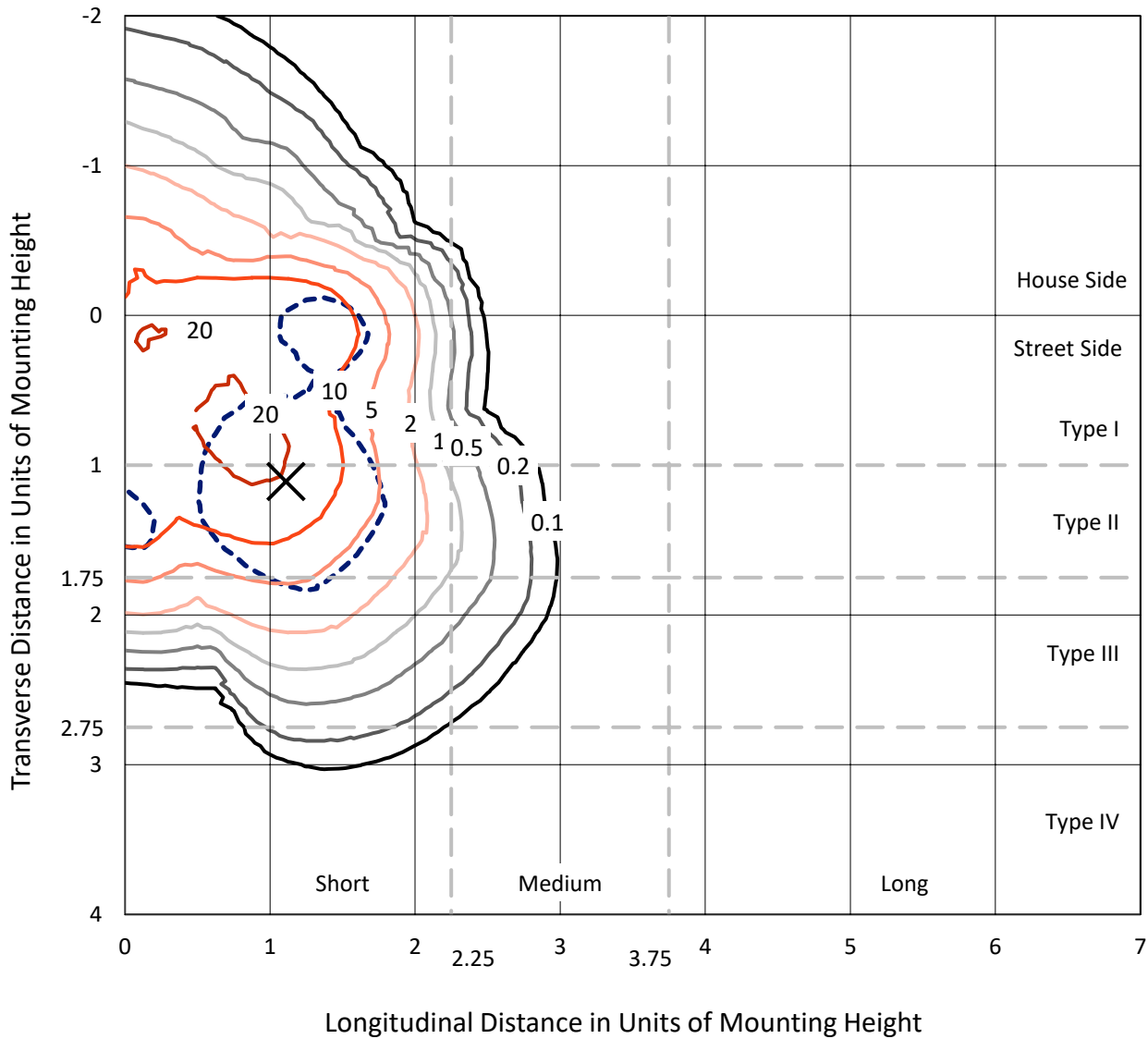
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

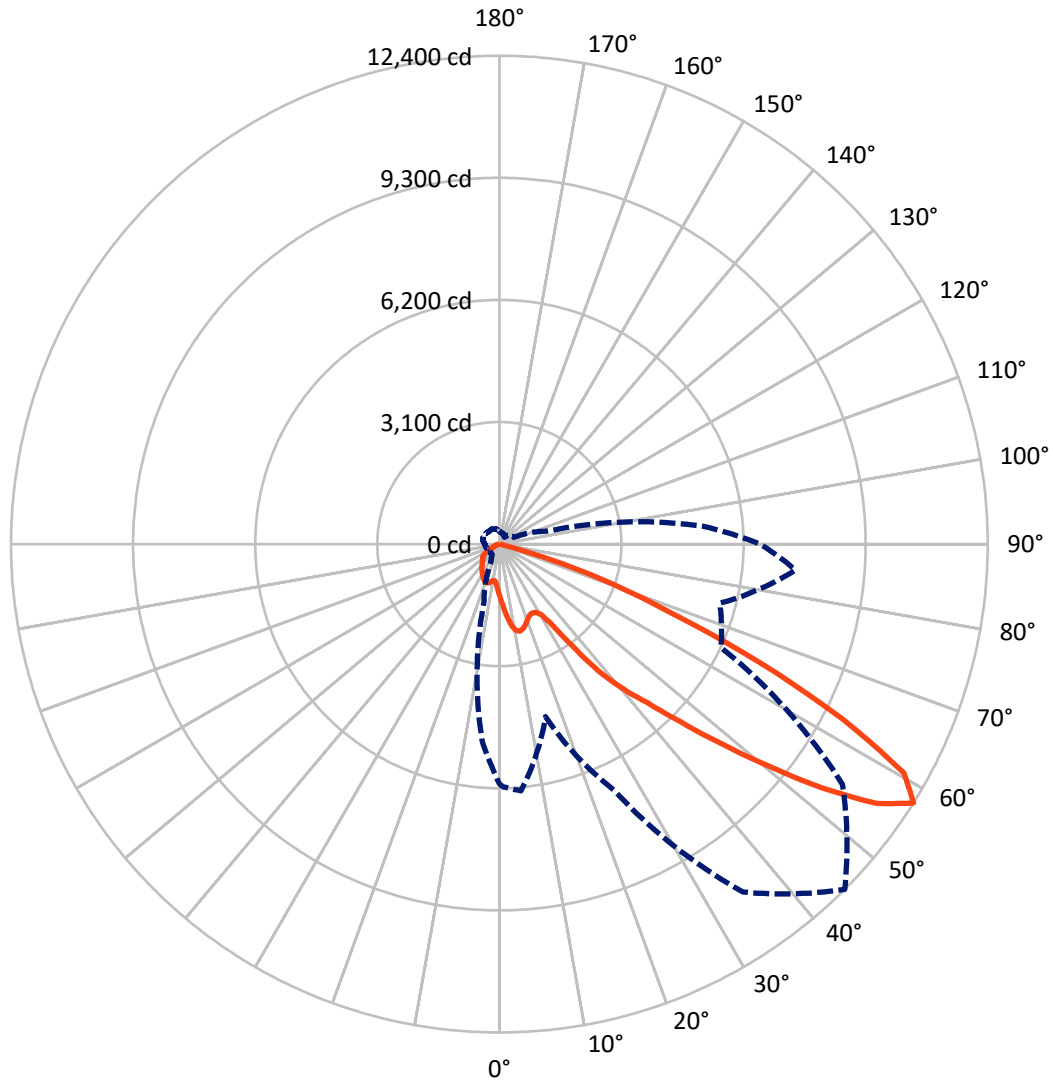
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.5 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	1681.3	0.0	1681.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	5826.9	0.0	5826.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	7508.2	0.0	7508.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.8	1.7
10°-20°	420.0	5.6
20°-30°	682.2	9.1
30°-40°	1054.1	14.0
40°-50°	1690.3	22.5
50°-60°	2310.2	30.8
60°-70°	1118.9	14.9
70°-80°	102.5	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°	7508.2	100.0
0°-180°	7508.2	100.0

Coefficient of Utilization



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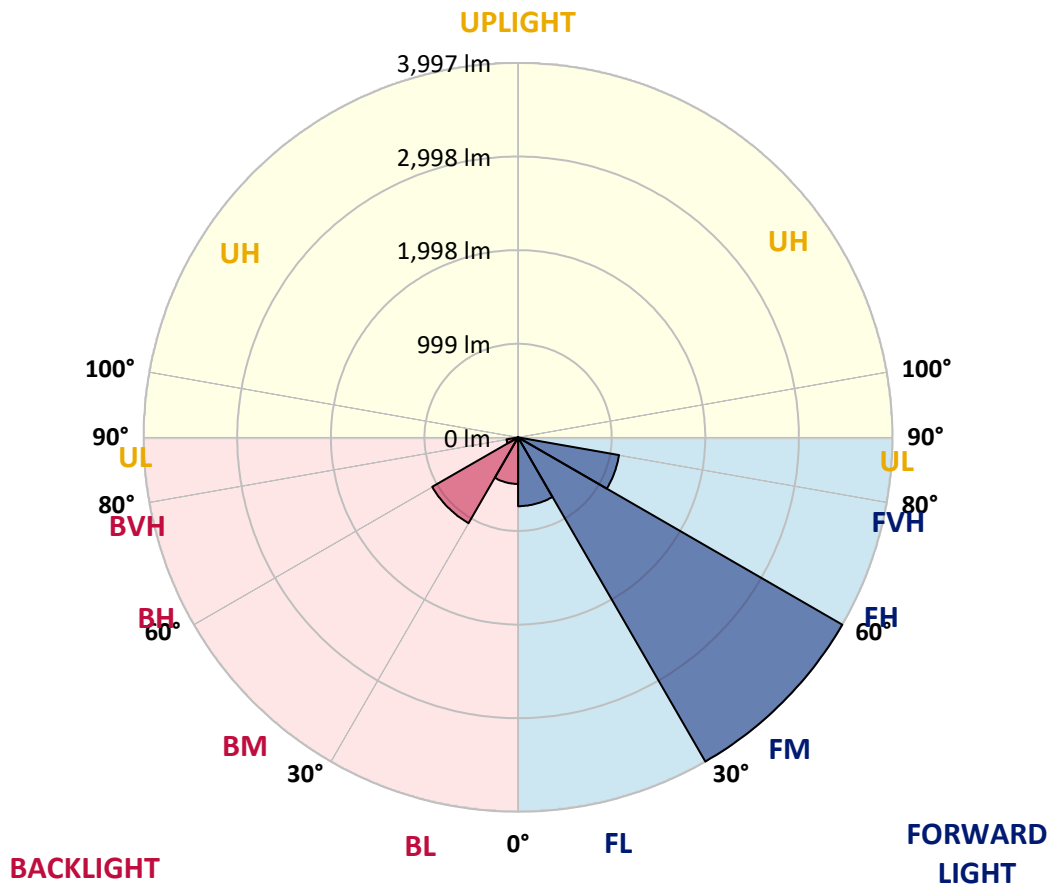
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	734.5	9.8			
FM (30°-60°)	3996.8	53.2			
FH (60°-80°)	1095.3	14.6			G1/1800
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	497.5	6.6	B1/500		
BM (30°-60°)	1057.8	14.1	B2/2500		
BH (60°-80°)	126.0	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°	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6
2.5°	1429.6	1438.7	1453.8	1486.1	1513.4	1531.5	1539.6	1537.6	1526.5	1518.4	1502.3
5°	1583.0	1583.0	1612.2	1685.9	1742.4	1777.7	1795.8	1784.8	1762.6	1727.2	1672.8
7.5°	1717.2	1722.2	1771.6	1876.6	1962.3	2012.8	2042.0	2036.0	1996.6	1929.0	1820.1
10°	1822.1	1828.1	1893.7	2021.8	2122.7	2174.2	2217.6	2221.6	2178.2	2088.4	1963.3
12.5°	1924.0	1930.0	1998.6	2121.7	2210.5	2231.7	2270.0	2285.2	2274.1	2210.5	2080.4
15°	2034.0	2048.1	2106.6	2198.4	2235.7	2210.5	2235.7	2263.0	2300.3	2294.2	2177.2
17.5°	2141.9	2152.0	2211.5	2243.8	2202.4	2136.9	2149.0	2181.3	2266.0	2348.7	2273.1
20°	2241.8	2255.9	2305.3	2263.0	2137.9	2036.0	2037.0	2079.4	2208.5	2382.0	2370.9
22.5°	2346.7	2367.9	2403.2	2284.2	2078.3	1956.3	1961.3	1999.6	2163.1	2413.3	2481.9
25°	2483.9	2504.1	2527.3	2336.6	2059.2	1916.9	1936.1	1971.4	2163.1	2466.8	2619.1
27.5°	2669.6	2683.7	2684.7	2434.5	2092.5	1923.0	1963.3	2003.7	2227.7	2573.7	2802.7
30°	2902.6	2924.8	2895.6	2586.8	2196.4	2003.7	2063.2	2113.7	2366.9	2754.3	3073.1
32.5°	3186.1	3217.4	3178.0	2812.8	2413.3	2282.1	2390.1	2419.4	2588.8	3015.6	3379.8
35°	3519.1	3545.3	3502.9	3125.6	2919.8	2944.0	3139.7	3102.4	3034.8	3337.5	3738.0
37.5°	3884.3	3908.5	3826.8	3599.8	3668.4	3773.3	4086.1	3957.9	3740.0	3752.1	4126.4
40°	4219.2	4245.5	4117.3	4115.3	4256.6	4448.3	4825.6	4649.0	4352.4	4294.9	4490.6
42.5°	4566.3	4584.5	4468.4	4389.7	4710.6	5105.1	5504.6	5266.5	4758.0	4695.4	4946.7
45°	5061.7	5100.0	4893.2	4524.9	5119.2	5860.7	6417.6	5952.5	5034.4	4984.0	5644.8
47.5°	5790.1	5818.4	5396.6	4609.7	5499.5	6802.0	7558.7	6842.4	5277.6	5162.6	6599.2
50°	6392.4	6411.6	5859.7	4702.5	5904.1	7817.0	8859.2	7897.7	5551.0	5458.2	7490.1
52.5°	6836.3	6909.0	6468.1	4893.2	6435.8	9010.5	10298.9	9147.7	5977.8	6029.2	8228.6
55°	6928.1	7027.0	6883.8	5010.2	6903.9	10226.3	11628.6	10266.6	6403.5	6462.0	8476.8
57.5°	6088.7	6167.4	6286.5	4538.1	6892.8	10783.2	12400.4	10637.9	6209.8	5795.1	7547.6
60°	4561.3	4615.7	4831.6	3468.6	6338.9	10290.8	11799.1	10006.3	5429.9	4422.0	5750.8
62.5°	2704.9	2729.1	3002.5	2246.8	5261.4	8862.2	9785.4	8634.2	4290.9	2974.2	3522.1
65°	1038.2	1028.1	1236.9	1108.8	3869.1	7059.3	7278.2	6582.1	2944.0	1363.0	1342.9
67.5°	160.4	153.4	206.8	327.9	2790.6	4892.2	4802.4	4743.9	1844.3	317.8	277.4
70°	36.3	36.3	44.4	96.9	1705.0	2874.4	3076.1	2932.9	1180.4	67.6	36.3
72.5°	17.2	17.2	21.2	41.4	617.4	1184.5	1380.2	1359.0	383.4	22.2	13.1
75°	6.1	7.1	7.1	9.1	37.3	61.5	141.2	100.9	24.2	0.0	0.0
77.5°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6
2.5°	1466.9	1459.9	1433.7	1398.3	1364.0	1333.8	1302.5	1265.2	1237.9	1206.6	1196.6
5°	1630.4	1586.0	1514.4	1439.7	1371.1	1312.6	1256.1	1195.6	1151.2	1106.8	1091.6
7.5°	1768.6	1703.0	1587.0	1475.0	1381.2	1298.5	1216.7	1134.0	1069.4	1017.0	1000.8
10°	1892.7	1817.0	1661.7	1523.4	1405.4	1309.6	1210.7	1106.8	1023.0	960.5	945.3
12.5°	1999.6	1911.9	1725.2	1559.8	1415.5	1305.5	1209.7	1126.9	1051.3	979.6	960.5
15°	2089.4	1992.6	1778.7	1584.0	1400.4	1255.1	1171.3	1158.2	1152.2	1073.5	1036.1
17.5°	2177.2	2068.3	1822.1	1595.1	1358.0	1166.3	1105.8	1165.3	1228.8	1177.4	1130.0
20°	2269.0	2144.9	1866.5	1597.1	1287.4	1066.4	1056.3	1150.2	1230.9	1214.7	1170.3
22.5°	2377.0	2240.8	1922.0	1596.1	1198.6	981.7	1020.0	1120.9	1186.5	1185.5	1150.2
25°	2533.4	2361.8	1996.6	1602.1	1101.7	916.1	979.6	1071.5	1124.9	1122.9	1093.7
27.5°	2700.8	2506.1	2093.5	1617.3	1019.0	877.7	932.2	1003.9	1050.3	1048.3	1023.0
30°	2935.9	2672.6	2186.3	1618.3	959.5	857.6	879.8	929.2	973.6	968.5	949.4
32.5°	3221.4	2860.2	2264.0	1560.8	922.1	838.4	825.3	850.5	884.8	877.7	872.7
35°	3566.5	3083.2	2330.6	1434.7	864.6	800.1	764.7	769.8	794.0	798.0	796.0
37.5°	3959.9	3348.6	2413.3	1268.2	786.9	744.6	697.2	693.1	707.2	720.4	730.4
40°	4348.4	3647.2	2525.3	1099.7	716.3	673.9	628.5	618.5	624.5	647.7	668.9
42.5°	4785.2	3993.2	2646.4	955.4	667.9	596.3	552.9	533.7	550.9	588.2	613.4
45°	5414.8	4478.5	2764.4	840.4	647.7	527.7	469.1	467.1	486.3	534.7	563.0
47.5°	6298.6	5106.1	2842.1	750.6	646.7	474.2	404.6	416.7	438.9	486.3	518.6
50°	7160.2	5892.0	2756.3	682.0	625.5	438.9	356.1	380.4	402.6	443.9	477.2
52.5°	7679.8	6314.7	2422.4	617.4	559.9	422.7	308.7	351.1	355.1	392.5	427.8
55°	7625.3	6041.3	1855.4	517.6	463.1	399.5	259.3	316.8	318.8	347.1	377.3
57.5°	6618.4	5186.8	1274.2	419.7	348.1	329.9	213.9	267.4	286.5	303.7	325.9
60°	4932.5	3784.4	568.0	341.0	221.0	223.0	182.6	201.8	231.0	251.2	270.4
62.5°	2906.7	2177.2	231.0	204.8	122.1	140.2	147.3	147.3	165.5	180.6	192.7
65°	1098.7	761.7	93.8	102.9	63.6	65.6	86.8	106.9	121.1	134.2	150.3
67.5°	192.7	133.2	48.4	38.3	37.3	33.3	44.4	69.6	77.7	87.8	94.8
70°	32.3	27.2	20.2	19.2	17.2	18.2	29.3	49.4	54.5	57.5	60.5
72.5°	9.1	8.1	6.1	5.0	4.0	5.0	18.2	38.3	40.4	42.4	45.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	27.2	29.3	30.3	33.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	8.1	10.1	8.1
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°	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6
2.5°	1190.5	1170.3	1159.2	1153.2	1153.2	1145.1	1136.0	1133.0	1146.1	1146.1	1168.3
5°	1072.5	1056.3	1038.2	1027.1	1009.9	1012.9	1002.9	1001.8	1015.0	1021.0	1044.2
7.5°	990.7	970.6	959.5	952.4	943.3	939.3	930.2	927.2	934.2	944.3	966.5
10°	936.3	933.2	932.2	937.3	937.3	932.2	924.2	919.1	921.1	940.3	965.5
12.5°	950.4	956.4	958.5	966.5	970.6	966.5	960.5	962.5	975.6	1010.9	1048.3
15°	1011.9	1006.9	1004.9	1008.9	1011.9	1007.9	1005.9	1021.0	1066.4	1116.9	1159.2
17.5°	1077.5	1045.2	1031.1	1031.1	1033.1	1031.1	1033.1	1062.4	1136.0	1186.5	1217.7
20°	1110.8	1051.3	1029.1	1024.0	1028.1	1029.1	1036.1	1069.4	1150.2	1185.5	1192.5
22.5°	1100.7	1026.1	1000.8	996.8	1000.8	1004.9	1011.9	1040.2	1115.8	1134.0	1131.0
25°	1050.3	976.6	956.4	956.4	965.5	964.5	967.5	987.7	1050.3	1061.4	1056.3
27.5°	986.7	917.1	899.9	910.0	918.1	916.1	917.1	934.2	980.7	983.7	978.6
30°	922.1	861.6	845.5	857.6	868.7	866.6	867.7	884.8	914.1	911.0	904.0
32.5°	856.6	812.2	800.1	807.1	824.3	822.3	826.3	844.5	855.6	842.4	834.4
35°	796.0	772.8	763.7	767.8	780.9	783.9	791.0	803.1	803.1	786.9	772.8
37.5°	739.5	736.5	730.4	725.4	737.5	746.6	756.7	770.8	750.6	727.4	714.3
40°	687.1	700.2	692.1	679.0	686.1	699.2	719.3	730.4	706.2	683.0	660.8
42.5°	638.6	660.8	657.8	641.7	647.7	659.8	683.0	692.1	663.9	637.6	616.4
45°	592.2	623.5	625.5	605.3	611.4	623.5	650.7	653.8	617.4	589.2	574.1
47.5°	551.9	586.2	587.2	572.0	574.1	591.2	616.4	617.4	576.1	549.9	530.7
50°	513.5	552.9	555.9	542.8	544.8	565.0	586.2	582.1	537.7	510.5	493.4
52.5°	467.1	520.6	527.7	521.6	529.7	545.8	558.9	544.8	493.4	466.1	451.0
55°	416.7	486.3	501.4	497.4	506.5	519.6	522.6	513.5	449.0	421.7	407.6
57.5°	358.2	400.5	426.8	418.7	425.8	438.9	448.0	440.9	392.5	371.3	359.2
60°	296.6	324.9	330.9	317.8	311.8	335.0	356.1	347.1	305.7	292.6	278.5
62.5°	216.9	249.2	253.2	236.1	229.0	254.2	272.4	263.3	217.9	203.8	192.7
65°	173.5	203.8	211.9	195.7	191.7	210.9	222.0	199.8	167.5	152.3	140.2
67.5°	114.0	138.2	159.4	158.4	150.3	156.4	148.3	130.1	106.9	98.9	90.8
70°	70.6	84.7	97.9	102.9	101.9	99.9	88.8	75.7	68.6	65.6	61.5
72.5°	54.5	68.6	78.7	81.7	82.7	79.7	70.6	58.5	51.5	47.4	44.4
75°	40.4	51.5	59.5	63.6	65.6	63.6	54.5	46.4	39.3	36.3	33.3
77.5°	14.1	17.2	21.2	23.2	22.2	21.2	19.2	19.2	15.1	14.1	12.1
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°	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6	1319.6
2.5°	1193.5	1211.7	1245.0	1275.3	1307.5	1340.8	1377.2	1414.5	1431.6	1429.6
5°	1079.5	1118.9	1173.4	1232.9	1299.5	1371.1	1450.8	1532.5	1567.8	1583.0
7.5°	1007.9	1063.4	1135.0	1210.7	1298.5	1400.4	1520.4	1648.5	1700.0	1717.2
10°	1017.0	1081.5	1141.1	1214.7	1308.5	1440.7	1590.0	1742.4	1802.9	1822.1
12.5°	1090.6	1104.8	1120.9	1181.4	1299.5	1471.0	1653.6	1835.2	1904.8	1924.0
15°	1157.2	1091.6	1061.4	1116.9	1267.2	1492.2	1718.2	1935.1	2011.8	2034.0
17.5°	1160.2	1061.4	993.8	1037.2	1214.7	1501.2	1781.7	2037.0	2120.7	2141.9
20°	1122.9	1028.1	941.3	942.3	1143.1	1499.2	1834.2	2128.8	2222.6	2241.8
22.5°	1068.4	988.7	898.9	867.7	1066.4	1495.2	1891.7	2226.7	2328.6	2346.7
25°	1007.9	938.3	858.6	811.2	989.7	1499.2	1972.4	2354.8	2466.8	2483.9
27.5°	942.3	882.8	827.3	789.0	925.2	1514.4	2069.3	2518.2	2651.4	2669.6
30°	873.7	829.3	807.1	783.9	884.8	1518.4	2174.2	2708.9	2877.4	2902.6
32.5°	806.1	781.9	782.9	786.9	846.5	1490.2	2270.0	2920.8	3145.8	3186.1
35°	743.6	736.5	756.7	776.9	791.0	1417.5	2353.8	3171.0	3477.7	3519.1
37.5°	690.1	696.1	721.4	741.5	730.4	1314.6	2464.8	3483.7	3849.0	3884.3
40°	638.6	653.8	683.0	692.1	684.0	1194.5	2597.9	3785.4	4170.8	4219.2
42.5°	591.2	602.3	643.7	645.7	670.9	1072.5	2726.1	4110.3	4541.1	4566.3
45°	552.9	550.9	593.2	606.4	688.1	937.3	2851.2	4543.1	5025.4	5061.7
47.5°	515.6	513.5	523.6	583.1	695.1	812.2	2975.3	5176.7	5727.5	5790.1
50°	480.2	483.3	452.0	572.0	656.8	716.3	3031.8	5762.9	6366.2	6392.4
52.5°	449.0	437.9	383.4	535.7	575.1	625.5	2871.3	6029.2	6761.7	6836.3
55°	404.6	343.0	315.8	434.8	454.0	545.8	2351.8	5874.8	6796.0	6928.1
57.5°	346.1	269.4	268.4	320.8	320.8	506.5	1506.3	5019.3	5856.7	6088.7
60°	266.4	208.8	222.0	223.0	205.8	369.3	845.5	3636.1	4330.2	4561.3
62.5°	189.7	159.4	167.5	133.2	118.0	184.6	405.6	2093.5	2672.6	2704.9
65°	127.1	108.0	87.8	73.7	72.6	78.7	167.5	756.7	920.1	1038.2
67.5°	83.7	65.6	46.4	46.4	52.5	52.5	63.6	125.1	175.5	160.4
70°	54.5	45.4	29.3	28.2	34.3	34.3	32.3	34.3	36.3	36.3
72.5°	40.4	34.3	17.2	15.1	19.2	20.2	18.2	17.2	17.2	17.2
75°	30.3	24.2	10.1	7.1	9.1	12.1	10.1	7.1	7.1	6.1
77.5°	12.1	9.1	4.0	3.0	5.0	7.1	6.1	3.0	2.0	2.0
80°	1.0	2.0	2.0	2.0	3.0	4.0	5.0	2.0	1.0	1.0
82.5°	0.0	1.0	1.0	1.0	2.0	3.0	4.0	2.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	2.0	3.0	2.0	1.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	1.0	3.0	2.0	1.0	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

(END OF REPORT)