

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: P632377

Luminaire Tested: GWS-SA2C-750-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8873.2 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

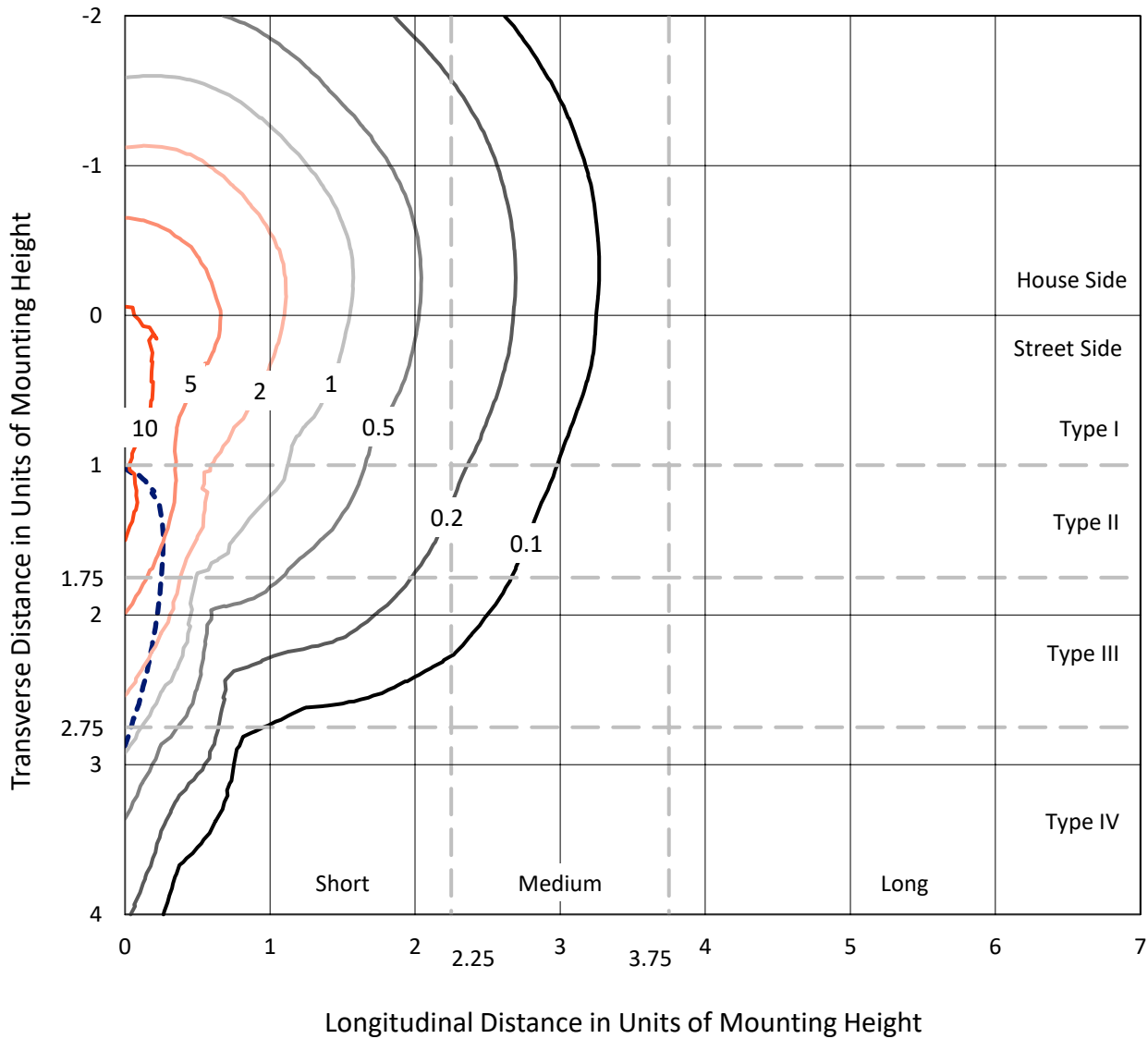
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

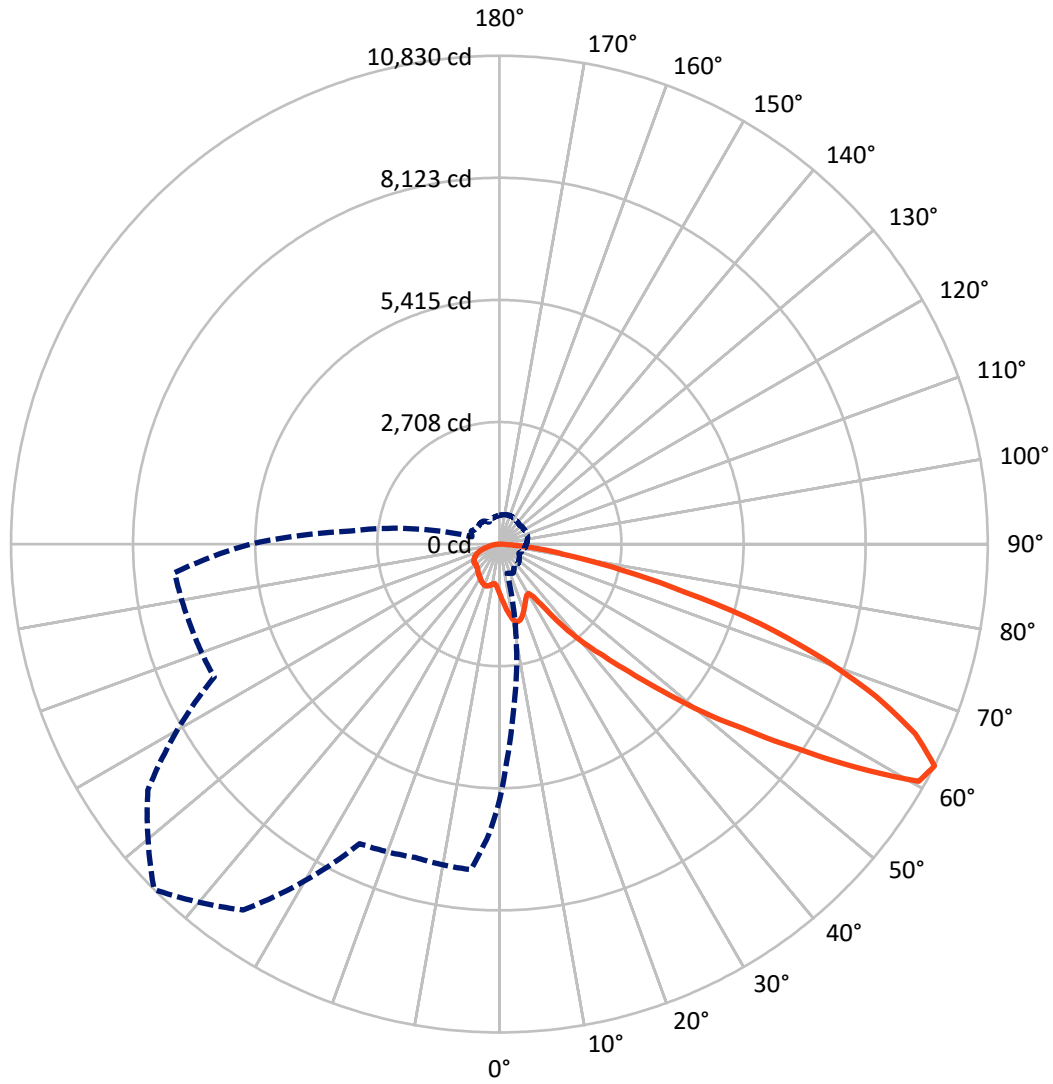
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2121.6	0.0	2121.6
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6751.6	0.0	6751.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	8873.2	0.0	8873.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	1.2
10°-20°	354.2	4.0
20°-30°	557.6	6.3
30°-40°	764.3	8.6
40°-50°	1192.6	13.4
50°-60°	2056.2	23.2
60°-70°	2382.9	26.9
70°-80°	1257.8	14.2
80°-90°	198.7	2.2
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°	8873.2	100.0
0°-180°	8873.2	100.0

Coefficient of Utilization



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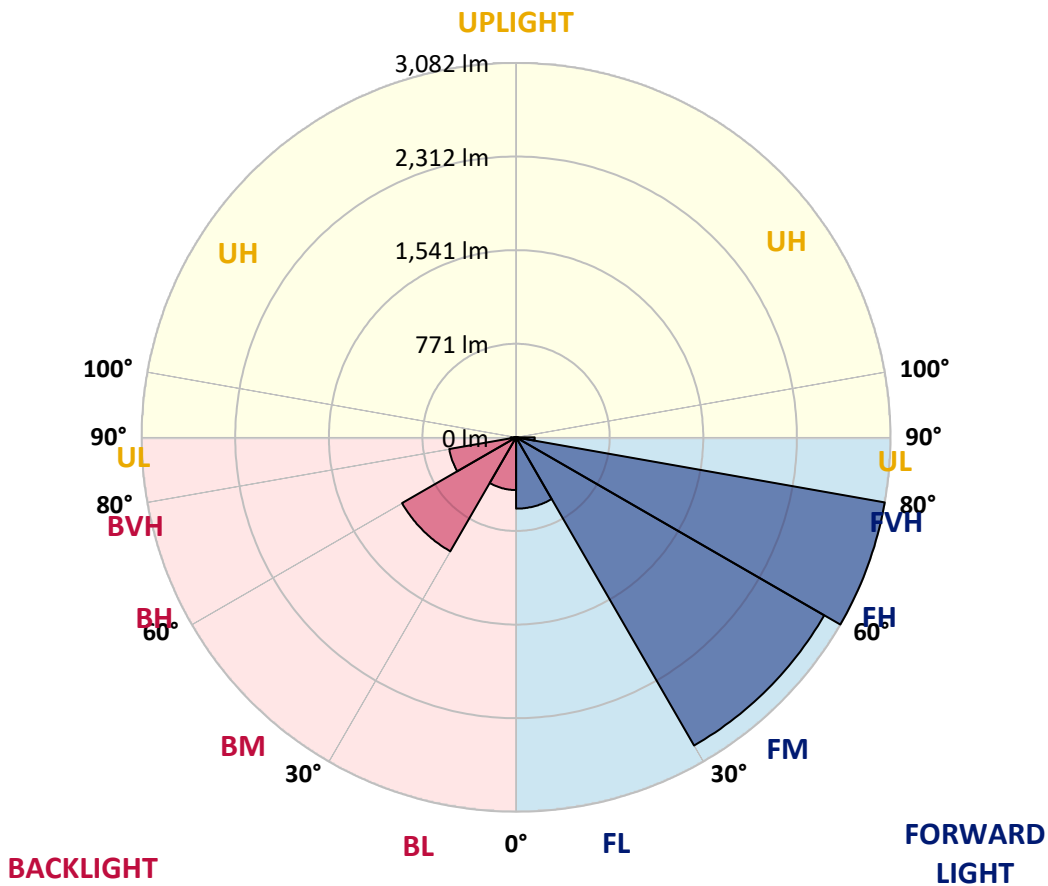
CATALOG NUMBER: GWS-SA2C-750-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.9	6.6			
FM (30°-60°)	2929.4	33.0			
FH (60°-80°)	3082.0	34.7			G2/5000
FVH (80°-90°)	153.4	1.7			G2/225
BL (0°-30°)	433.9	4.9	B1/500		
BM (30°-60°)	1083.7	12.2	B2/2500		
BH (60°-80°)	558.6	6.3	B2/1000		G2/1000
BVH (80°-90°)	45.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3
2.5°	1202.0	1197.3	1190.5	1167.4	1153.1	1136.8	1119.9	1100.2	1077.8	1062.2	1046.6
5°	1303.8	1296.3	1280.1	1225.1	1187.1	1145.7	1111.1	1071.7	1033.0	1006.5	980.1
7.5°	1401.5	1392.0	1366.9	1282.8	1221.0	1161.3	1109.0	1052.0	994.3	955.0	923.7
10°	1499.3	1479.6	1447.7	1337.7	1256.3	1187.1	1127.3	1057.4	980.7	927.1	893.9
12.5°	1573.9	1555.6	1521.0	1388.0	1291.6	1204.7	1137.5	1073.0	1007.9	950.9	916.9
15°	1643.8	1620.1	1580.7	1434.8	1320.8	1204.0	1117.2	1060.8	1051.3	1037.1	993.0
17.5°	1694.1	1672.4	1631.6	1472.8	1337.1	1183.0	1060.8	1027.6	1070.3	1113.8	1071.7
20°	1738.2	1713.1	1671.7	1499.3	1340.5	1136.2	992.3	993.0	1060.2	1119.9	1109.7
22.5°	1775.5	1747.7	1711.0	1529.1	1339.1	1071.0	932.6	973.3	1040.5	1087.3	1088.7
25°	1821.7	1798.6	1768.1	1573.3	1339.1	1004.5	889.1	949.5	1007.2	1046.6	1045.2
27.5°	1878.0	1862.4	1837.3	1640.5	1351.3	948.8	864.7	919.0	964.5	998.4	997.7
30°	1941.1	1926.9	1907.9	1711.7	1372.4	907.4	851.1	881.0	914.2	941.4	941.4
32.5°	2005.6	2000.2	1979.8	1768.7	1356.1	894.5	839.6	843.0	860.6	883.0	881.0
35°	2095.2	2089.8	2064.0	1812.8	1285.5	876.2	821.2	804.3	806.3	820.6	825.3
37.5°	2226.2	2218.0	2180.0	1864.4	1178.9	830.1	791.4	763.6	757.4	763.6	772.4
40°	2384.3	2372.1	2320.5	1934.3	1056.1	767.6	744.5	721.5	711.3	713.3	723.5
42.5°	2582.5	2556.7	2482.7	2008.3	934.6	712.7	692.3	678.0	666.5	665.1	684.8
45°	2904.2	2833.6	2716.2	2074.2	832.1	683.5	645.5	635.3	625.8	631.2	654.3
47.5°	3466.2	3335.9	3107.2	2130.5	769.7	684.1	608.1	597.3	596.6	607.4	633.2
50°	4238.6	4050.6	3697.6	2168.5	737.1	692.3	585.7	568.1	581.0	591.8	616.3
52.5°	4978.4	4691.3	4271.1	2167.8	722.8	693.6	591.8	540.9	581.0	583.7	606.8
55°	5610.3	5090.4	4425.9	1945.2	702.5	688.2	615.6	519.9	573.5	583.7	602.0
57.5°	6112.5	5344.2	4414.4	1571.2	764.2	658.4	629.8	515.1	551.8	585.1	606.1
60°	6056.8	5228.1	4130.0	964.5	758.1	605.4	627.8	524.0	515.1	566.7	601.3
62.5°	5686.9	4812.1	3640.6	669.2	712.0	574.9	594.6	539.6	481.2	540.3	578.3
65°	5169.1	4275.2	3033.9	513.1	589.8	576.2	538.2	528.7	451.3	498.2	538.9
67.5°	4484.3	3609.4	2395.2	406.5	411.3	498.9	488.7	469.7	423.5	460.8	497.5
70°	3371.2	2634.1	1647.9	327.1	311.5	416.7	439.1	422.2	396.4	407.2	445.9
72.5°	2375.5	1719.9	902.7	259.3	240.3	320.4	381.4	378.7	350.2	358.4	396.4
75°	1765.3	1216.9	564.0	205.0	195.5	229.4	319.7	327.8	304.1	313.6	342.8
77.5°	1174.9	788.0	313.6	152.0	152.0	167.6	238.2	276.2	258.6	266.1	286.4
80°	648.2	401.1	156.8	99.8	102.5	115.4	173.8	198.9	199.5	217.9	223.3
82.5°	205.0	127.6	69.9	58.4	55.0	65.8	112.0	142.5	133.0	169.7	156.1
85°	46.8	29.9	12.9	12.9	14.3	21.7	42.8	76.0	97.1	116.7	84.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	29.9	44.1	39.4
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°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3
2.5°	1037.1	1023.5	1019.4	1007.9	1006.5	995.7	991.6	991.6	996.4	996.4	1001.1
5°	969.2	952.2	942.7	929.2	925.8	917.6	912.2	912.9	919.0	923.1	931.2
7.5°	909.5	897.9	891.2	885.0	883.7	882.3	876.2	875.5	877.6	883.7	889.8
10°	884.4	876.2	878.3	883.0	890.5	894.5	889.1	886.4	884.4	888.4	893.9
12.5°	908.8	900.7	904.7	912.9	923.1	927.1	925.1	924.4	926.4	942.1	953.6
15°	962.4	946.8	941.4	944.8	952.9	957.0	955.0	957.7	970.6	1011.3	1040.5
17.5°	1028.9	990.9	969.2	963.1	966.5	969.9	969.9	976.7	999.1	1058.8	1095.4
20°	1064.9	1015.4	978.7	963.8	965.1	968.5	968.5	978.0	1003.1	1066.9	1090.7
22.5°	1055.4	1009.9	965.1	948.8	949.5	952.2	952.2	960.4	982.8	1039.1	1050.0
25°	1018.1	978.0	933.9	919.7	921.0	925.8	924.4	929.2	946.1	992.3	998.4
27.5°	973.3	938.0	894.5	883.7	889.8	899.3	891.2	891.8	907.4	946.1	946.8
30°	925.1	895.9	857.2	849.1	860.6	865.4	857.9	857.9	873.5	900.0	899.3
32.5°	872.8	854.5	826.7	817.9	830.7	838.2	828.7	830.1	842.3	859.9	853.1
35°	824.0	814.5	801.6	795.5	803.6	810.4	804.3	807.0	818.5	823.3	813.8
37.5°	777.1	775.8	777.1	777.1	779.2	781.2	777.1	783.9	794.1	788.0	777.1
40°	736.4	741.8	754.7	751.3	749.3	751.3	748.6	760.2	770.3	759.5	746.6
42.5°	702.5	712.7	732.3	732.3	728.3	729.6	728.3	742.5	750.0	735.0	720.8
45°	673.3	688.2	713.3	716.7	709.9	709.9	712.7	730.3	733.0	712.7	697.7
47.5°	652.9	671.2	699.8	705.9	695.7	695.0	702.5	721.5	721.5	697.7	680.8
50°	638.7	659.0	693.0	701.1	690.9	688.2	700.4	718.8	714.7	686.2	669.2
52.5°	629.2	650.2	692.3	703.8	697.0	694.3	706.5	719.4	709.3	678.7	661.1
55°	623.1	646.1	694.3	703.8	696.4	691.6	703.8	715.4	709.9	674.6	657.7
57.5°	626.5	649.5	691.6	696.4	687.5	679.4	693.6	709.9	707.9	676.0	659.0
60°	621.0	642.1	676.7	678.0	663.1	650.2	671.2	695.7	695.7	671.2	656.3
62.5°	595.9	617.0	647.5	648.9	631.9	617.6	642.1	671.2	670.6	650.9	635.3
65°	554.5	574.2	608.8	612.2	595.2	580.3	605.4	632.6	634.6	617.0	603.4
67.5°	509.0	526.7	552.5	566.0	551.8	536.2	559.3	585.1	584.4	563.3	549.1
70°	454.7	471.0	494.8	506.3	497.5	482.6	503.6	517.2	511.1	500.9	491.4
72.5°	401.1	416.7	439.1	439.1	429.6	415.4	421.5	445.9	453.4	445.9	439.8
75°	344.8	358.4	374.0	377.4	356.3	330.5	359.0	380.1	388.9	385.5	378.0
77.5°	287.1	297.3	320.4	314.2	274.9	261.3	284.4	315.6	321.7	319.7	309.5
80°	221.3	227.4	251.8	239.6	209.0	200.2	210.4	234.8	236.2	229.4	216.5
82.5°	148.6	156.8	173.1	149.3	148.6	140.5	132.3	135.1	147.3	145.9	137.1
85°	76.0	80.1	95.7	89.6	76.7	66.5	63.1	67.2	60.4	55.0	47.5
87.5°	31.9	34.6	47.5	26.5	8.1	0.0	0.0	4.1	6.1	8.8	9.5
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3
2.5°	1012.0	1019.4	1037.8	1060.8	1083.2	1106.3	1131.4	1147.0	1166.0	1190.5	1191.1
5°	941.4	958.3	984.8	1020.1	1056.8	1098.8	1147.7	1188.4	1237.3	1276.0	1291.6
7.5°	897.9	922.4	955.6	1000.4	1048.6	1100.9	1164.7	1233.2	1313.3	1364.9	1395.4
10°	902.0	939.3	972.6	1010.6	1054.0	1110.4	1192.5	1283.4	1381.9	1449.7	1487.7
12.5°	974.6	1014.0	1007.9	1005.9	1035.0	1103.6	1214.9	1334.4	1454.5	1522.4	1567.8
15°	1066.3	1081.2	1023.5	980.1	997.7	1079.2	1227.1	1379.8	1514.9	1597.7	1642.5
17.5°	1113.1	1083.2	1013.3	948.2	943.4	1041.8	1233.2	1426.0	1582.8	1665.6	1713.1
20°	1091.4	1047.9	988.9	927.1	893.2	990.9	1229.8	1462.6	1644.5	1736.8	1775.5
22.5°	1044.5	1006.5	960.4	901.3	852.5	935.3	1221.0	1499.3	1699.5	1792.5	1826.4
25°	993.6	965.1	927.1	875.5	829.4	886.4	1214.9	1548.1	1762.6	1851.5	1873.3
27.5°	942.7	921.7	890.5	850.4	824.0	852.5	1216.9	1611.9	1844.1	1928.2	1919.4
30°	892.5	874.2	852.5	834.8	823.3	844.3	1211.5	1679.8	1933.7	2011.7	1959.4
32.5°	845.0	828.0	814.5	817.2	824.0	847.7	1183.7	1741.6	2015.8	2082.3	2002.9
35°	804.3	786.6	786.6	796.1	821.2	836.2	1111.7	1789.8	2106.7	2173.2	2064.6
37.5°	766.3	750.7	760.8	776.4	800.2	805.0	1019.4	1836.6	2239.1	2301.5	2160.3
40°	733.0	717.4	735.7	755.4	767.6	765.6	925.8	1901.8	2395.2	2459.7	2287.3
42.5°	706.5	692.3	708.6	733.7	735.7	737.8	857.2	1964.2	2576.4	2658.5	2505.8
45°	684.8	674.6	682.8	707.9	707.9	739.1	814.5	2016.5	2849.2	2994.5	2906.9
47.5°	667.9	661.7	665.8	674.0	687.5	763.6	787.3	2056.5	3346.1	3631.1	3542.9
50°	658.4	652.2	657.7	640.7	681.4	775.8	778.5	2087.0	4001.0	4447.6	4338.3
52.5°	650.2	648.2	651.6	612.2	695.0	767.6	771.7	2046.3	4440.1	5251.2	5359.1
55°	647.5	648.9	632.6	591.2	711.3	740.5	751.3	1755.2	4559.6	5944.2	6614.1
57.5°	648.9	644.8	603.4	593.2	712.0	686.2	780.5	1252.2	4385.9	6245.5	7841.9
60°	644.1	623.7	568.1	611.5	680.8	622.4	759.5	816.5	3927.7	6014.1	7913.1
62.5°	623.1	593.2	537.5	621.7	625.1	584.4	689.6	629.2	3316.9	5518.6	7226.3
65°	592.5	552.5	511.8	600.7	568.8	566.7	518.5	504.3	2667.3	4928.8	6574.7
67.5°	542.3	502.2	492.7	552.5	511.8	502.2	416.7	418.1	2128.4	4300.3	5919.7
70°	485.3	445.2	452.7	499.5	455.4	417.4	337.3	348.2	1614.7	3582.9	5036.7
72.5°	448.0	394.3	395.0	439.8	400.4	338.0	277.6	287.1	1024.9	2700.6	4004.4
75°	378.0	347.5	332.6	356.3	340.0	263.3	233.5	231.4	607.4	1935.7	2998.6
77.5°	315.6	291.8	284.4	293.9	253.8	194.8	188.0	184.6	344.1	1240.0	1964.9
80°	228.7	222.6	221.9	226.7	195.5	143.2	143.2	143.9	185.3	673.3	1107.7
82.5°	145.2	158.8	140.5	156.1	133.0	101.8	95.0	107.9	106.6	287.1	467.0
85°	60.4	82.8	77.4	82.1	63.1	55.7	59.7	64.5	61.8	110.6	181.9
87.5°	11.5	13.6	14.9	14.3	14.3	17.6	19.7	23.8	23.8	31.9	55.0
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°	358°	360°
0°	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3	1106.3
2.5°	1216.9	1236.6	1232.5	1241.4	1229.8	1233.9	1210.8	1204.7	1200.6	1202.0
5°	1341.8	1381.9	1389.3	1404.3	1394.1	1394.1	1353.4	1322.8	1312.0	1303.8
7.5°	1468.7	1526.4	1564.4	1568.5	1563.1	1552.2	1493.2	1438.2	1418.5	1401.5
10°	1581.4	1650.6	1693.4	1713.8	1703.6	1686.6	1613.3	1538.0	1514.2	1499.3
12.5°	1667.6	1728.7	1757.2	1770.8	1769.4	1763.3	1703.6	1622.1	1597.0	1573.9
15°	1723.3	1753.8	1742.9	1742.3	1751.8	1776.2	1757.9	1694.1	1664.9	1643.8
17.5°	1759.2	1730.0	1681.9	1659.5	1679.8	1737.5	1779.6	1743.6	1717.1	1694.1
20°	1772.1	1668.3	1598.4	1557.0	1580.7	1664.2	1768.1	1779.6	1757.2	1738.2
22.5°	1757.2	1592.9	1497.9	1449.1	1472.1	1571.9	1734.1	1808.8	1793.8	1775.5
25°	1720.5	1514.2	1400.2	1356.1	1381.2	1483.0	1673.7	1835.9	1836.6	1821.7
27.5°	1675.1	1441.6	1331.6	1290.2	1314.7	1409.7	1614.7	1859.7	1883.4	1878.0
30°	1628.9	1398.2	1299.1	1269.9	1288.2	1372.4	1554.3	1884.1	1931.6	1941.1
32.5°	1607.9	1419.2	1375.8	1388.6	1364.9	1394.1	1532.5	1918.7	1990.0	2005.6
35°	1635.7	1605.8	1715.8	1766.7	1682.5	1571.9	1560.4	1971.0	2072.1	2095.2
37.5°	1770.8	2005.6	2169.8	2349.0	2203.1	1959.4	1698.1	2059.9	2189.5	2226.2
40°	2064.6	2354.5	2651.1	2882.5	2661.9	2334.1	1960.1	2192.2	2351.1	2384.3
42.5°	2341.6	2681.6	3090.2	3389.5	3103.1	2640.2	2242.5	2414.9	2564.2	2582.5
45°	2613.1	3002.6	3621.6	4037.7	3648.8	2931.4	2530.9	2790.9	2903.5	2904.2
47.5°	2931.4	3364.4	4288.1	4880.6	4373.0	3253.8	2801.7	3386.1	3542.9	3466.2
50°	3312.1	3724.1	4974.3	5861.4	5256.0	3650.1	3145.8	4111.7	4325.4	4238.6
52.5°	3821.8	4120.5	5730.4	6817.7	6218.4	4101.5	3644.7	5070.0	5140.6	4978.4
55°	4539.2	4692.6	6700.9	7998.6	7292.8	4657.3	4374.3	6272.7	6075.2	5610.3
57.5°	6172.9	5598.0	7947.1	9345.9	8508.4	5667.3	5973.4	7598.9	6896.4	6112.5
60°	7539.8	6697.6	9100.2	10683.0	9550.2	6780.4	7474.7	7829.6	6865.9	6056.8
62.5°	7079.0	6977.9	9516.3	10830.2	9905.8	7328.1	7195.7	7248.0	6417.9	5686.9
65°	6210.9	6436.9	9145.0	10131.8	9511.5	6837.4	6508.9	6710.4	5905.5	5169.1
67.5°	5698.5	5864.8	8484.6	9014.0	8794.8	6306.6	5974.7	5828.8	5110.0	4484.3
70°	5174.5	5312.3	7557.5	7611.1	7676.9	5424.3	4885.4	4451.0	3808.9	3371.2
72.5°	4471.4	4478.8	6385.3	6074.5	6199.4	4244.7	3932.5	3327.7	2772.5	2375.5
75°	3751.3	3546.3	5054.4	4246.0	4496.5	3301.9	3265.3	2507.8	2091.1	1765.3
77.5°	2860.1	2620.5	3692.2	2792.2	3158.1	2199.0	2454.9	1700.9	1471.5	1174.9
80°	1920.1	1770.8	2040.2	1576.0	2066.0	1515.6	1601.1	963.8	835.5	648.2
82.5°	1012.6	864.7	1261.1	934.6	1246.1	832.8	600.7	298.0	253.8	205.0
85°	392.3	454.1	618.3	332.6	483.2	297.3	173.8	74.0	61.8	46.8
87.5°	76.0	117.4	64.5	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

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