

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: P632374

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
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-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5076.6 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

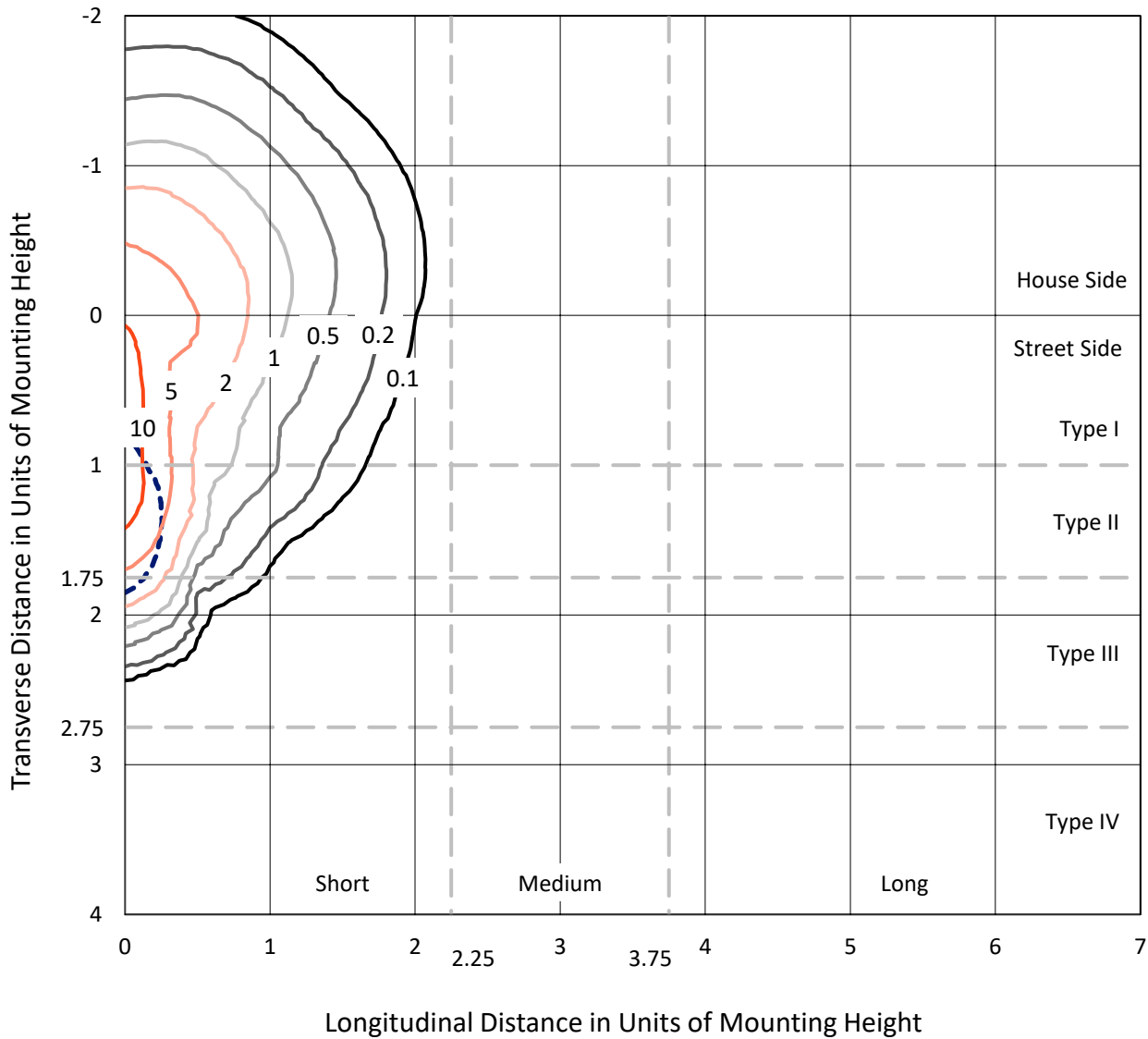
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

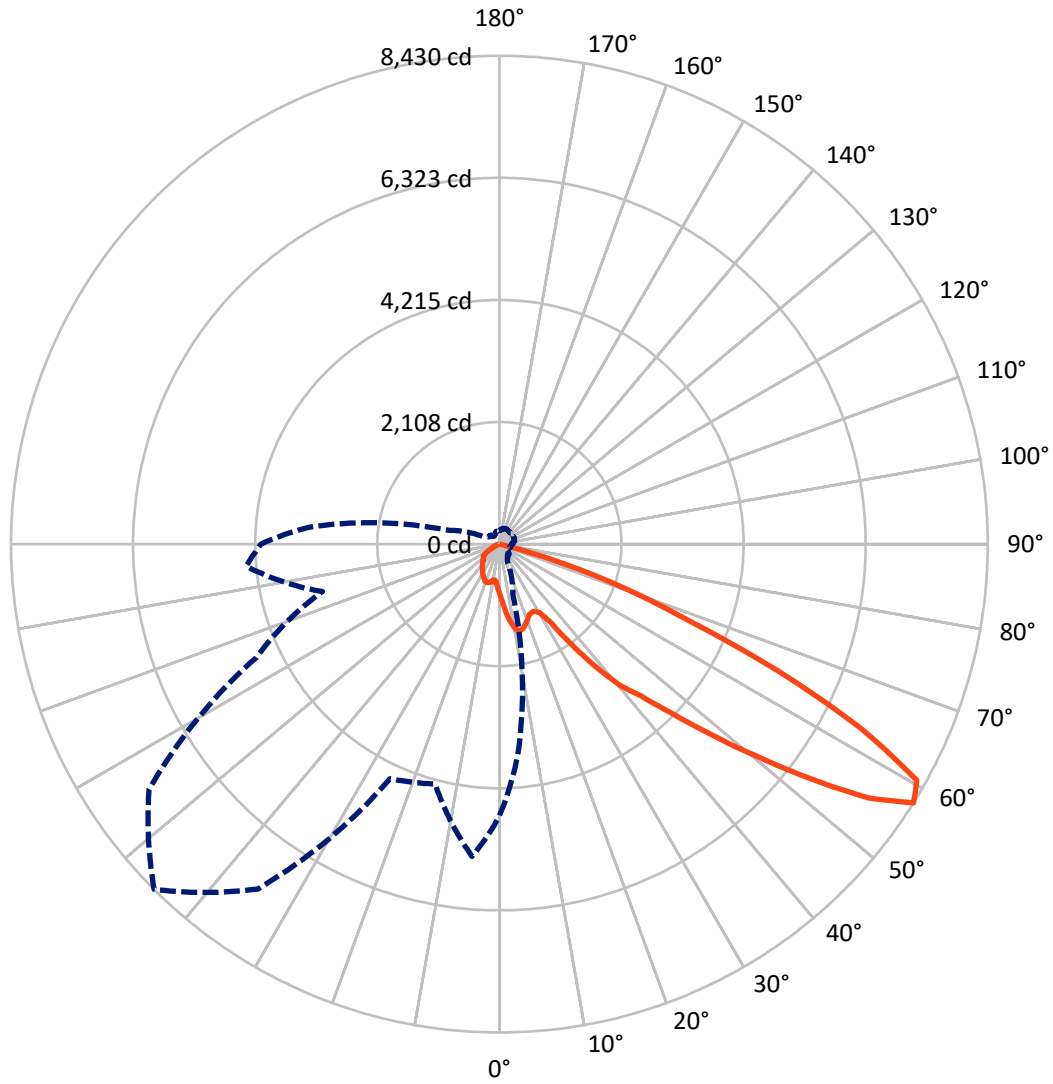
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1093.7	0.0	1093.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	3982.9	0.0	3982.9
	% Fixture	78.5	0.0	78.5
Total	Lumens	5076.6	0.0	5076.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.3	1.7
10°-20°	280.5	5.5
20°-30°	455.3	9.0
30°-40°	698.7	13.8
40°-50°	1116.0	22.0
50°-60°	1562.5	30.8
60°-70°	801.2	15.8
70°-80°	77.1	1.5
80°-90°	0.0	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°	5076.6	100.0
0°-180°	5076.6	100.0

Coefficient of Utilization



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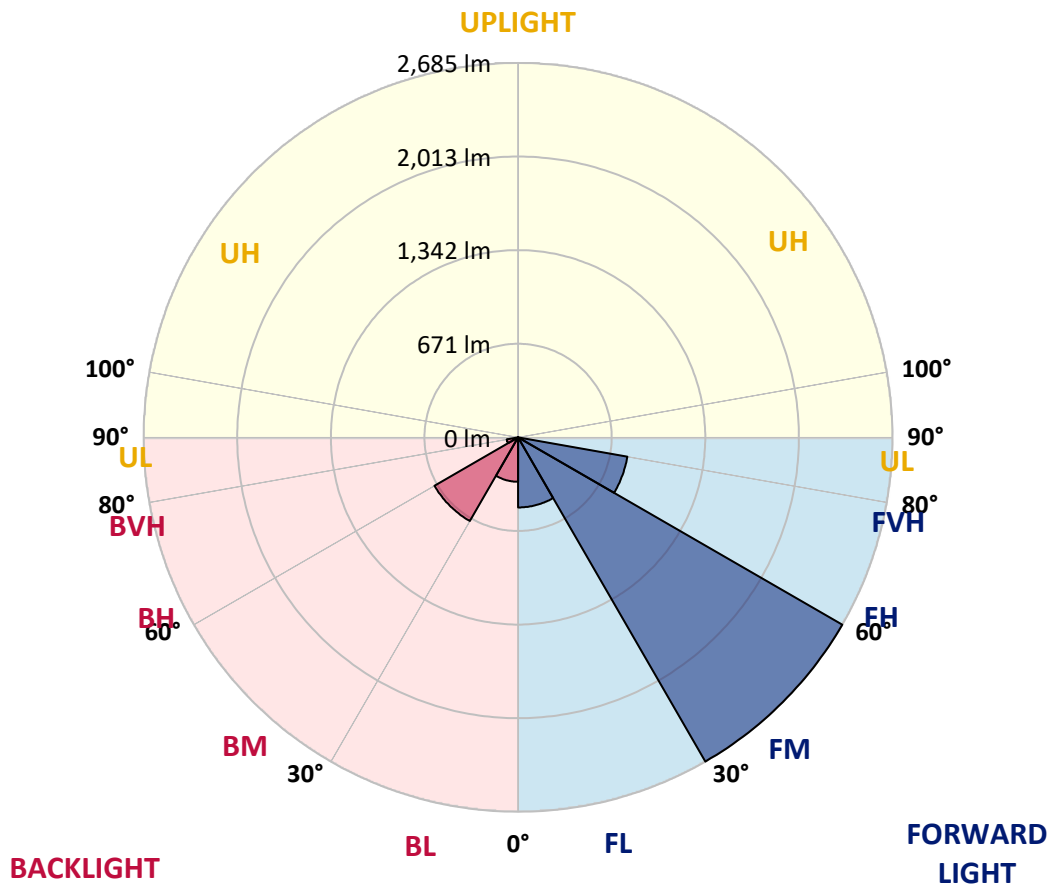
CATALOG NUMBER: GWS-SA2C-750-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	502.6	9.9			
FM (30°-60°)	2684.6	52.9			
FH (60°-80°)	795.7	15.7			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	318.5	6.3	B1/500		
BM (30°-60°)	692.6	13.6	B1/1000		
BH (60°-80°)	82.6	1.6	B0/110		G0/110
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: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6
2.5°	958.3	956.2	949.5	926.4	912.1	889.7	873.4	852.4	829.3	815.1	800.8
5°	1060.1	1054.7	1036.3	983.4	942.7	898.6	863.3	824.6	783.2	756.0	730.9
7.5°	1157.8	1149.7	1125.2	1035.7	973.9	910.8	860.6	804.2	745.9	705.1	673.9
10°	1253.5	1235.2	1196.5	1086.6	1003.1	927.1	868.0	803.5	735.0	683.4	648.8
12.5°	1332.2	1318.7	1265.7	1134.7	1027.5	930.5	857.8	798.1	752.0	717.4	685.5
15°	1400.1	1385.2	1334.9	1178.2	1048.5	916.9	815.1	762.8	770.3	783.9	756.7
17.5°	1462.5	1446.9	1392.6	1214.1	1056.7	883.6	755.4	730.2	771.6	822.5	812.4
20°	1527.0	1509.4	1442.9	1243.3	1054.0	831.4	695.0	702.4	760.8	819.2	824.6
22.5°	1602.3	1584.0	1506.6	1280.7	1051.9	768.9	642.7	678.0	740.4	790.0	799.5
25°	1702.1	1680.4	1595.6	1335.6	1057.4	711.9	605.4	654.2	705.8	750.6	756.0
27.5°	1833.8	1805.9	1698.0	1403.5	1068.9	667.1	589.1	621.7	661.7	701.7	706.5
30°	2005.5	1970.2	1815.4	1462.5	1063.5	635.9	578.2	589.1	612.8	645.4	646.1
32.5°	2206.4	2158.2	1947.1	1513.4	1016.6	612.8	563.3	555.8	561.3	586.4	591.1
35°	2442.5	2380.1	2092.3	1561.6	931.1	568.0	536.1	511.0	509.0	521.2	532.8
37.5°	2713.3	2638.7	2275.6	1623.4	830.0	521.2	496.1	471.0	460.1	466.2	483.9
40°	2963.1	2880.3	2467.0	1698.0	726.9	479.1	449.3	423.5	410.6	412.6	434.3
42.5°	3256.3	3170.7	2701.1	1795.8	641.3	450.6	400.4	373.9	357.0	366.5	391.6
45°	3701.5	3604.4	3042.5	1880.6	573.5	443.9	357.7	320.3	312.2	328.5	358.3
47.5°	4309.6	4190.8	3511.4	1932.2	515.8	450.0	327.8	276.9	278.9	297.3	327.1
50°	4912.9	4784.6	4053.7	1864.3	468.3	437.7	312.9	243.0	255.9	272.1	299.3
52.5°	5327.6	5160.6	4317.7	1668.2	424.8	391.6	311.5	211.1	235.5	240.9	264.0
55°	5343.8	5138.2	4182.6	1315.3	365.8	330.5	297.3	184.6	213.1	215.1	234.8
57.5°	4684.2	4498.2	3655.3	903.3	325.1	242.3	236.9	161.5	175.1	192.1	204.3
60°	3563.7	3405.6	2733.7	414.0	247.0	154.1	162.2	139.1	131.0	156.1	168.3
62.5°	2182.6	2081.5	1639.7	183.2	157.5	82.1	98.4	110.6	98.4	107.9	118.1
65°	866.7	821.9	622.3	78.0	64.5	41.4	44.8	64.5	69.2	76.0	85.5
67.5°	150.7	142.5	104.5	34.6	26.5	25.1	21.7	29.9	42.1	46.8	54.3
70°	19.7	19.0	17.0	14.3	13.6	12.2	9.5	19.0	28.5	29.9	34.6
72.5°	4.8	4.1	4.1	3.4	4.1	1.4	1.4	10.2	20.4	21.0	24.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	12.9	14.3	17.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6
2.5°	789.3	775.7	771.0	764.2	755.4	758.1	745.9	741.8	747.9	756.0	754.0
5°	717.4	702.4	692.2	676.6	673.9	667.8	663.7	658.3	665.1	674.6	676.6
7.5°	660.3	647.5	637.3	632.5	629.1	626.4	618.3	614.2	614.2	618.3	621.7
10°	635.9	626.4	624.4	625.7	631.2	630.5	623.0	617.6	610.8	607.4	611.5
12.5°	669.8	654.2	651.5	652.2	659.0	658.3	650.2	643.4	642.0	643.4	656.3
15°	727.5	703.8	686.1	682.7	686.1	684.8	678.7	674.6	676.6	696.3	718.0
17.5°	779.1	742.5	710.6	698.4	697.7	695.6	689.5	688.2	698.4	735.0	766.9
20°	794.0	758.1	712.6	697.0	693.6	691.6	684.8	686.8	699.7	743.8	771.0
22.5°	774.4	739.8	692.2	676.6	673.9	673.2	666.5	669.2	680.0	718.7	741.1
25°	737.0	707.9	658.3	644.7	644.7	643.4	637.3	638.6	645.4	679.3	701.1
27.5°	691.6	663.7	622.3	608.8	610.8	612.8	605.4	603.3	608.8	640.7	653.6
30°	639.3	619.6	587.0	574.8	574.2	582.3	572.1	569.4	576.9	602.0	604.7
32.5°	588.4	578.9	555.8	546.3	547.0	548.4	542.9	542.9	549.7	563.3	562.6
35°	538.9	532.8	528.7	521.9	521.2	518.5	518.5	519.9	527.3	532.1	523.3
37.5°	491.4	497.5	502.2	495.4	490.0	490.0	490.0	496.1	502.9	500.9	485.9
40°	449.3	462.2	477.1	469.6	456.7	456.1	458.8	469.0	479.1	466.9	453.4
42.5°	413.3	429.6	450.6	446.6	432.3	430.3	432.3	445.2	453.4	437.7	422.8
45°	378.0	398.4	423.5	423.5	407.9	405.8	406.5	423.5	428.2	409.9	390.9
47.5°	348.2	370.6	397.0	397.0	384.1	380.1	383.4	401.1	404.5	378.7	361.1
50°	319.7	344.1	373.3	371.2	362.4	359.0	365.1	384.1	380.1	351.6	333.2
52.5°	283.7	309.5	349.5	351.6	346.8	347.5	354.9	367.2	355.6	321.0	305.4
55°	251.1	277.6	317.6	328.5	328.5	327.8	331.2	340.7	331.2	289.8	270.8
57.5°	215.8	238.2	271.5	274.2	276.2	268.8	273.5	286.4	281.6	246.4	235.5
60°	177.1	196.1	215.1	217.2	208.4	192.7	201.6	216.5	219.9	193.4	181.2
62.5°	125.6	143.9	166.3	166.3	157.5	141.8	153.4	166.3	161.5	134.4	126.9
65°	93.7	110.6	127.6	135.1	127.6	116.7	125.6	135.1	127.6	105.2	94.3
67.5°	60.4	71.9	82.1	88.2	89.6	88.2	92.3	89.6	80.8	65.8	59.7
70°	36.6	42.8	48.2	53.6	57.7	59.7	61.8	55.7	46.8	38.7	36.6
72.5°	26.5	31.9	36.6	40.7	45.5	46.8	46.8	42.8	34.6	27.1	25.1
75°	18.3	23.1	27.1	29.9	33.9	35.3	35.3	31.9	25.8	19.7	17.6
77.5°	0.7	4.8	4.8	4.1	5.4	6.8	6.8	8.1	7.5	5.4	4.8
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°	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6
2.5°	758.1	782.5	789.3	814.4	836.8	859.2	886.3	902.6	927.1	944.0	953.5
5°	683.4	703.8	728.2	765.5	804.2	847.0	898.6	943.4	999.7	1041.1	1054.7
7.5°	629.1	655.6	684.1	730.9	783.9	840.9	913.5	986.8	1073.0	1129.3	1165.3
10°	618.9	646.1	684.1	730.2	785.9	851.1	940.0	1035.0	1142.9	1211.4	1252.1
12.5°	667.8	697.0	713.3	734.3	776.4	849.0	963.0	1083.8	1210.7	1285.4	1328.8
15°	739.8	765.5	739.1	712.6	739.8	827.3	975.9	1124.6	1270.5	1356.7	1401.5
17.5°	789.3	791.3	733.6	677.3	684.8	787.9	980.7	1165.3	1334.3	1424.5	1471.4
20°	784.5	768.3	709.9	647.5	624.4	737.0	975.2	1201.2	1398.7	1493.1	1539.2
22.5°	747.9	728.9	679.3	618.3	573.5	676.6	965.7	1233.8	1457.8	1565.0	1608.4
25°	703.8	683.4	642.7	589.1	540.9	618.3	958.3	1278.6	1532.4	1658.7	1692.6
27.5°	652.2	634.6	599.9	561.3	527.3	574.2	956.2	1337.7	1622.7	1772.7	1796.4
30°	602.0	585.7	558.5	536.1	521.9	548.4	949.5	1400.8	1730.6	1903.7	1929.5
32.5°	553.8	537.5	520.5	517.1	517.8	538.9	926.4	1463.2	1858.9	2093.7	2112.7
35°	512.4	493.4	486.6	494.8	509.7	522.6	861.2	1514.8	1996.6	2300.7	2316.3
37.5°	473.0	454.0	453.4	473.0	489.3	497.5	784.5	1565.7	2182.6	2511.1	2530.8
40°	437.1	418.1	424.8	448.6	461.5	465.6	691.6	1643.1	2379.4	2733.0	2722.1
42.5°	406.5	386.8	390.9	421.5	433.0	443.9	606.1	1707.5	2568.8	2943.4	2940.0
45°	376.7	361.7	359.0	392.3	402.5	445.9	543.6	1757.1	2812.4	3211.5	3216.9
47.5°	347.5	335.9	336.6	350.9	376.0	456.1	490.7	1789.7	3166.0	3636.3	3542.0
50°	321.0	312.2	319.7	303.4	359.0	443.2	445.2	1782.9	3561.0	4043.5	3854.2
52.5°	291.8	289.8	293.2	253.8	331.9	390.9	402.5	1692.6	3746.3	4321.8	4213.9
55°	262.0	261.3	234.1	202.9	277.6	312.2	344.8	1412.3	3740.2	4469.7	4600.7
57.5°	226.7	221.2	177.8	165.6	215.8	217.2	314.2	925.0	3314.6	4115.5	4386.9
60°	171.7	167.6	130.3	134.4	150.7	139.1	250.4	460.8	2477.1	3206.0	3512.1
62.5°	118.8	113.3	97.0	103.8	97.0	79.4	153.4	228.0	1500.5	2024.5	2302.0
65°	86.9	80.8	66.5	57.0	45.5	45.5	58.4	87.5	580.9	860.6	1037.7
67.5°	53.6	50.9	39.4	28.5	27.8	29.9	30.5	43.4	93.7	149.3	182.6
70°	34.6	31.9	26.5	18.3	17.0	17.6	18.3	20.4	23.8	25.8	31.2
72.5°	23.8	22.4	19.0	10.2	8.1	8.8	9.5	9.5	11.5	10.9	12.9
75°	17.0	15.6	13.6	4.8	2.7	3.4	4.1	3.4	4.1	2.7	3.4
77.5°	4.8	4.8	3.4	0.7	0.0	0.7	1.4	1.4	0.7	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	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°	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6	862.6
2.5°	978.0	993.6	999.7	990.9	998.3	986.1	981.4	963.0	961.7	958.3
5°	1109.6	1144.9	1166.0	1178.8	1163.9	1147.6	1123.2	1081.1	1068.2	1060.1
7.5°	1239.3	1294.2	1330.2	1347.2	1343.1	1309.8	1265.7	1195.1	1170.0	1157.8
10°	1351.9	1419.1	1462.5	1483.6	1474.7	1445.6	1382.5	1294.2	1261.0	1253.5
12.5°	1430.6	1492.4	1522.3	1540.6	1541.3	1529.7	1470.0	1381.1	1341.7	1332.2
15°	1480.2	1506.6	1507.3	1518.2	1537.2	1563.0	1535.2	1456.4	1414.3	1400.1
17.5°	1511.4	1482.2	1452.4	1455.1	1486.3	1554.8	1583.3	1522.9	1478.1	1462.5
20°	1533.8	1441.5	1385.8	1386.5	1418.4	1522.3	1616.6	1587.4	1541.3	1527.0
22.5°	1548.0	1405.5	1326.1	1324.1	1358.0	1483.6	1647.1	1664.1	1618.6	1602.3
25°	1577.2	1388.6	1290.2	1301.7	1331.6	1471.4	1688.5	1765.9	1723.8	1702.1
27.5°	1629.5	1405.5	1286.8	1313.2	1347.2	1507.3	1760.5	1901.6	1858.2	1833.8
30°	1719.7	1469.3	1339.0	1375.7	1416.4	1601.7	1881.3	2091.0	2028.5	2005.5
32.5°	1865.0	1601.7	1500.5	1579.3	1618.6	1756.4	2062.5	2303.4	2252.5	2206.4
35°	2065.2	1903.7	1892.1	2075.4	2065.9	2049.6	2285.1	2564.0	2487.3	2442.5
37.5°	2340.7	2389.6	2475.1	2657.0	2650.9	2526.7	2577.6	2810.4	2771.0	2713.3
40°	2684.8	2788.7	2933.9	3194.5	3113.1	2957.0	2936.6	3062.8	3030.9	2963.1
42.5°	2887.7	3066.9	3343.8	3577.9	3512.8	3240.0	3216.9	3400.1	3330.2	3256.3
45°	2982.1	3293.6	3836.5	4153.5	3956.0	3428.0	3419.1	3839.9	3800.6	3701.5
47.5°	3025.5	3522.3	4413.4	4893.2	4524.0	3592.9	3561.0	4477.9	4426.3	4309.6
50°	3073.7	3837.9	5108.3	5750.4	5210.1	3779.5	3802.6	5072.4	5050.7	4912.9
52.5°	3179.6	4171.8	5964.2	6730.4	6042.2	4072.0	4217.3	5633.0	5486.4	5327.6
55°	3338.4	4535.6	6854.6	7731.4	6891.2	4465.0	4665.9	5930.9	5519.6	5343.8
57.5°	3162.6	4626.5	7381.9	8430.4	7267.9	4466.3	4286.5	5414.4	4854.5	4684.2
60°	2509.7	4304.1	7179.0	8279.1	6946.9	3966.1	3282.0	4227.4	3677.7	3563.7
62.5°	1696.7	3609.8	6319.8	7001.8	5945.8	3119.8	2133.1	2749.3	2276.9	2182.6
65°	929.8	2693.0	5106.3	5297.0	4653.6	2179.2	1097.4	1193.1	908.7	866.7
67.5°	256.5	1874.5	3757.1	3514.2	3265.1	1419.1	283.7	213.1	152.0	150.7
70°	64.5	1239.9	2251.1	2320.4	2002.1	908.7	54.3	25.8	20.4	19.7
72.5°	27.1	533.4	1068.2	1227.7	1024.8	420.8	19.7	7.5	6.1	4.8
75°	3.4	42.8	90.9	137.8	94.3	45.5	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
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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