

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: P632378

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632378
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-SA2C-750-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT 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: 5050.8 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

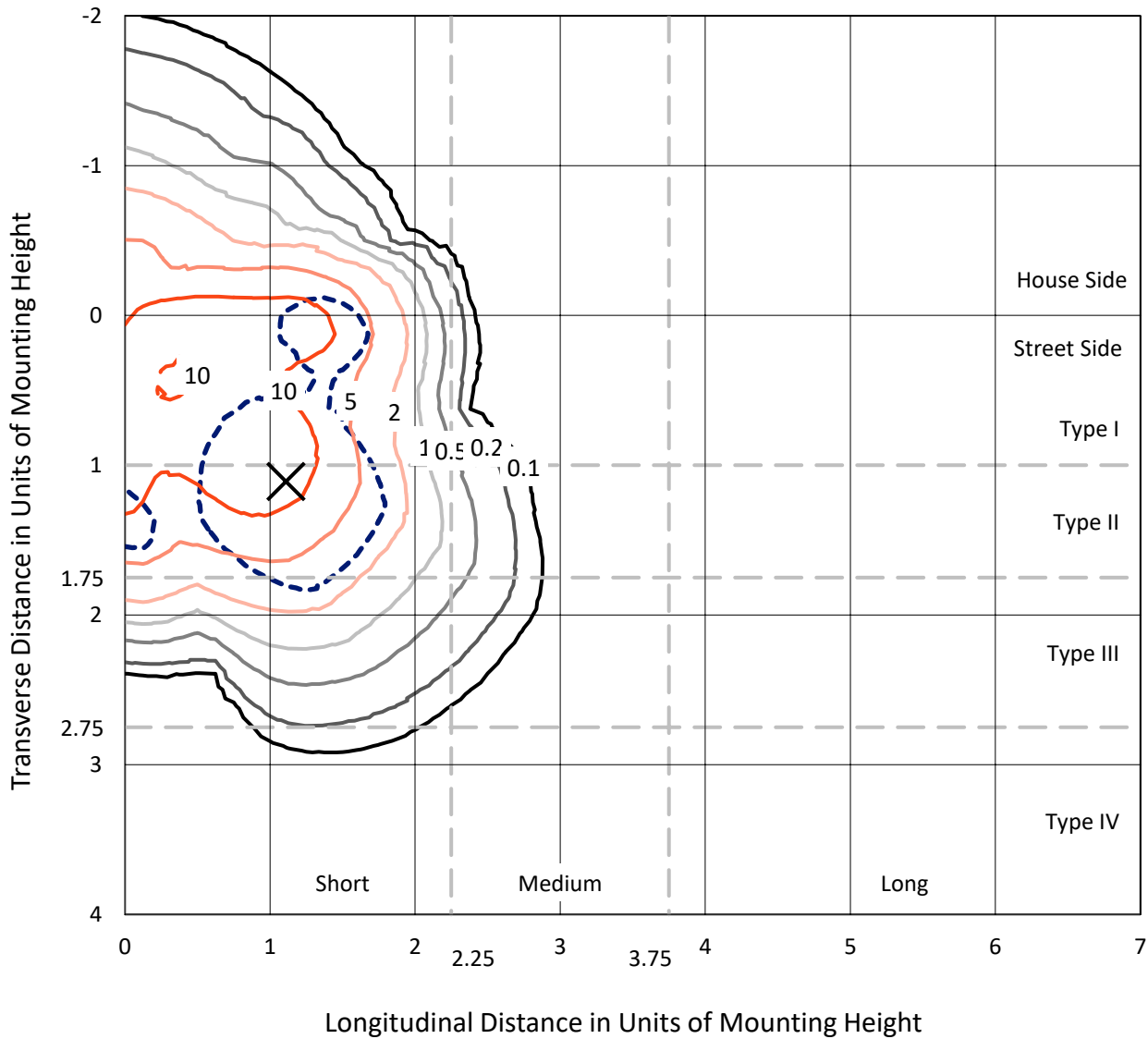
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

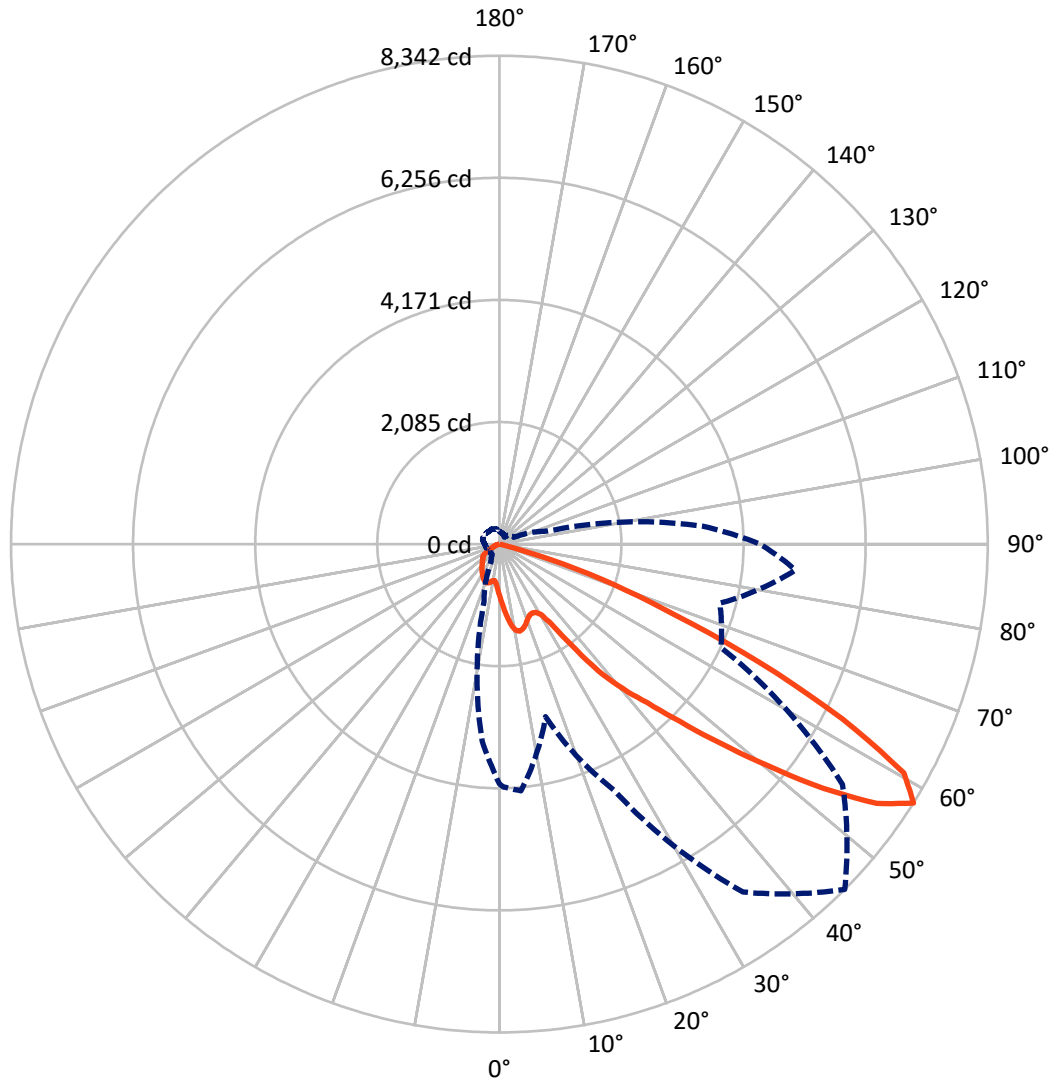
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 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	1131.0	0.0	1131.0
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	3919.8	0.0	3919.8
	% Fixture	77.6	0.0	77.6
Total	Lumens	5050.8	0.0	5050.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.3	1.7
10°-20°	282.5	5.6
20°-30°	458.9	9.1
30°-40°	709.1	14.0
40°-50°	1137.1	22.5
50°-60°	1554.1	30.8
60°-70°	752.7	14.9
70°-80°	68.9	1.4
80°-90°	0.2	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°	5050.8	100.0
0°-180°	5050.8	100.0

Coefficient of Utilization



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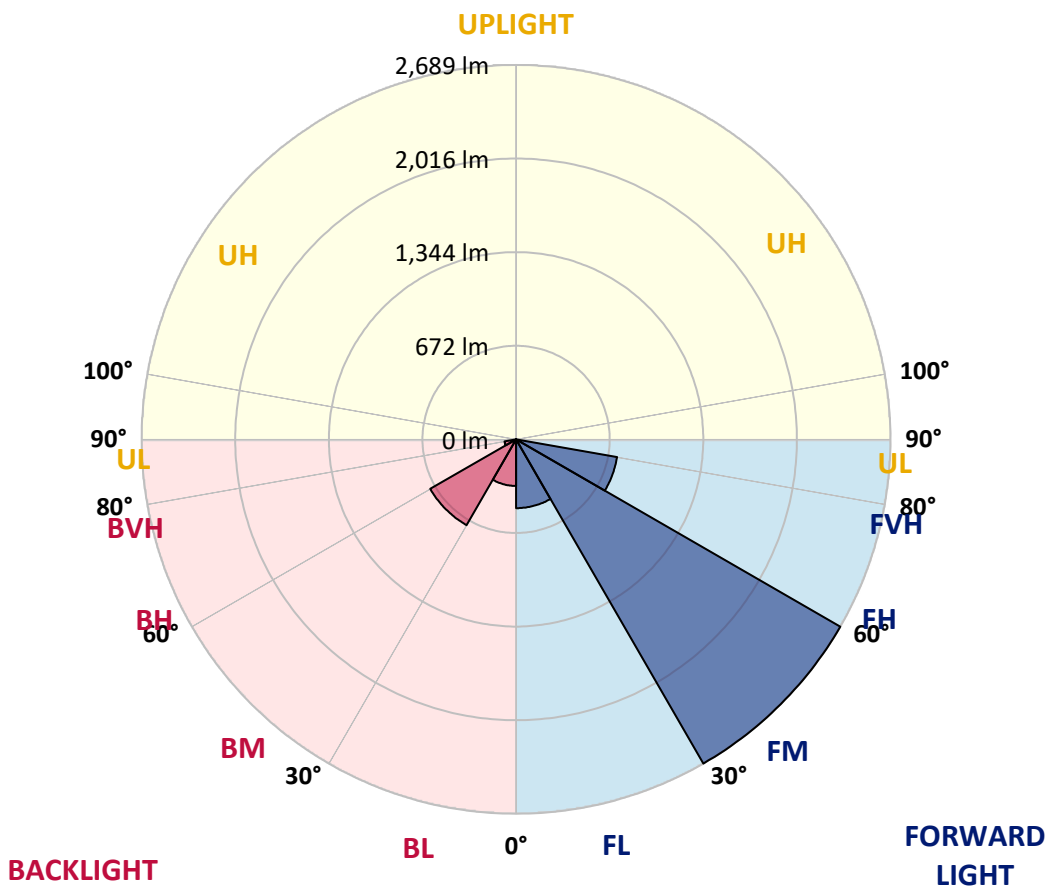
CATALOG NUMBER: GWS-SA2C-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.1	9.8			
FM (30°-60°)	2688.7	53.2			
FH (60°-80°)	736.8	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	334.7	6.6	B1/500		
BM (30°-60°)	711.6	14.1	B1/1000		
BH (60°-80°)	84.8	1.7	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°	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7
2.5°	961.7	967.8	978.0	999.7	1018.0	1030.3	1035.7	1034.3	1026.9	1021.4	1010.6
5°	1064.9	1064.9	1084.6	1134.1	1172.1	1195.9	1208.1	1200.6	1185.7	1161.9	1125.3
7.5°	1155.1	1158.5	1191.8	1262.4	1320.1	1354.0	1373.7	1369.6	1343.1	1297.7	1224.4
10°	1225.7	1229.8	1273.9	1360.1	1428.0	1462.6	1491.8	1494.5	1465.3	1404.9	1320.7
12.5°	1294.3	1298.3	1344.5	1427.3	1487.0	1501.3	1527.1	1537.2	1529.8	1487.0	1399.5
15°	1368.2	1377.7	1417.1	1478.9	1504.0	1487.0	1504.0	1522.3	1547.4	1543.4	1464.6
17.5°	1440.9	1447.7	1487.7	1509.4	1481.6	1437.5	1445.6	1467.3	1524.3	1580.0	1529.1
20°	1508.1	1517.6	1550.8	1522.3	1438.2	1369.6	1370.3	1398.8	1485.7	1602.4	1594.9
22.5°	1578.6	1592.9	1616.7	1536.6	1398.1	1316.0	1319.4	1345.2	1455.1	1623.4	1669.6
25°	1670.9	1684.5	1700.1	1571.9	1385.2	1289.5	1302.4	1326.2	1455.1	1659.4	1761.9
27.5°	1795.8	1805.3	1806.0	1637.7	1407.6	1293.6	1320.7	1347.9	1498.6	1731.3	1885.4
30°	1952.6	1967.5	1947.9	1740.2	1477.5	1347.9	1387.9	1421.9	1592.2	1852.8	2067.3
32.5°	2143.3	2164.4	2137.9	1892.2	1623.4	1535.2	1607.8	1627.5	1741.5	2028.6	2273.6
35°	2367.3	2384.9	2356.4	2102.6	1964.1	1980.4	2112.1	2087.0	2041.5	2245.1	2514.6
37.5°	2613.0	2629.3	2574.3	2421.6	2467.7	2538.3	2748.7	2662.5	2515.9	2524.1	2775.9
40°	2838.3	2855.9	2769.8	2768.4	2863.4	2992.4	3246.2	3127.4	2927.9	2889.2	3020.9
42.5°	3071.8	3084.0	3005.9	2953.0	3168.8	3434.2	3703.0	3542.8	3200.7	3158.6	3327.6
45°	3405.0	3430.8	3291.7	3043.9	3443.7	3942.5	4317.2	4004.3	3386.7	3352.8	3797.3
47.5°	3895.0	3914.0	3630.3	3101.0	3699.6	4575.8	5084.8	4602.9	3550.3	3472.9	4439.3
50°	4300.2	4313.1	3941.9	3163.4	3971.7	5258.5	5959.6	5312.8	3734.2	3671.7	5038.6
52.5°	4598.8	4647.7	4351.1	3291.7	4329.4	6061.4	6928.1	6153.7	4021.3	4055.9	5535.4
55°	4660.6	4727.1	4630.7	3370.4	4644.3	6879.2	7822.6	6906.4	4307.7	4347.0	5702.4
57.5°	4095.9	4148.9	4228.9	3052.8	4636.8	7253.9	8341.8	7156.2	4177.4	3898.4	5077.3
60°	3068.4	3105.0	3250.3	2333.4	4264.2	6922.7	7937.3	6731.3	3652.7	2974.7	3868.6
62.5°	1819.6	1835.9	2019.8	1511.5	3539.4	5961.7	6582.7	5808.3	2886.5	2000.8	2369.3
65°	698.4	691.6	832.1	745.9	2602.8	4748.8	4896.1	4427.8	1980.4	916.9	903.3
67.5°	107.9	103.2	139.1	220.6	1877.3	3291.0	3230.6	3191.2	1240.7	213.8	186.6
70°	24.4	24.4	29.9	65.2	1147.0	1933.6	2069.3	1973.0	794.1	45.5	24.4
72.5°	11.5	11.5	14.3	27.8	415.4	796.8	928.5	914.2	257.9	14.9	8.8
75°	4.1	4.8	4.8	6.1	25.1	41.4	95.0	67.9	16.3	0.0	0.0
77.5°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.7	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°	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7
2.5°	986.8	982.1	964.4	940.7	917.6	897.2	876.2	851.1	832.8	811.7	804.9
5°	1096.8	1066.9	1018.7	968.5	922.3	883.0	845.0	804.3	774.4	744.5	734.3
7.5°	1189.8	1145.6	1067.6	992.3	929.1	873.5	818.5	762.9	719.4	684.1	673.3
10°	1273.2	1222.3	1117.8	1024.8	945.4	880.9	814.4	744.5	688.2	646.1	635.9
12.5°	1345.2	1286.1	1160.6	1049.3	952.2	878.2	813.8	758.1	707.2	659.0	646.1
15°	1405.6	1340.4	1196.5	1065.6	942.0	844.3	788.0	779.1	775.1	722.1	697.0
17.5°	1464.6	1391.3	1225.7	1073.0	913.5	784.6	743.8	783.9	826.6	792.0	760.1
20°	1526.4	1442.9	1255.6	1074.4	866.0	717.4	710.6	773.7	828.0	817.1	787.3
22.5°	1599.0	1507.4	1292.9	1073.7	806.3	660.4	686.2	754.0	798.1	797.5	773.7
25°	1704.2	1588.8	1343.1	1077.8	741.1	616.3	659.0	720.8	756.7	755.4	735.7
27.5°	1816.9	1685.9	1408.3	1087.9	685.5	590.5	627.1	675.3	706.5	705.2	688.2
30°	1975.0	1797.9	1470.7	1088.6	645.4	576.9	591.8	625.1	654.9	651.5	638.7
32.5°	2167.1	1924.1	1523.0	1049.9	620.3	564.0	555.2	572.1	595.2	590.5	587.1
35°	2399.2	2074.1	1567.8	965.1	581.6	538.2	514.5	517.8	534.1	536.8	535.5
37.5°	2663.9	2252.6	1623.4	853.1	529.4	500.9	469.0	466.3	475.8	484.6	491.4
40°	2925.2	2453.5	1698.8	739.8	481.9	453.4	422.8	416.0	420.1	435.7	450.0
42.5°	3219.0	2686.3	1780.2	642.7	449.3	401.1	371.9	359.0	370.6	395.7	412.6
45°	3642.6	3012.7	1859.6	565.4	435.7	355.0	315.6	314.2	327.1	359.7	378.7
47.5°	4237.1	3434.9	1911.9	504.9	435.0	319.0	272.2	280.3	295.2	327.1	348.8
50°	4816.7	3963.6	1854.2	458.8	420.8	295.2	239.6	255.9	270.8	298.6	321.0
52.5°	5166.2	4247.9	1629.5	415.4	376.7	284.4	207.7	236.2	238.9	264.0	287.8
55°	5129.6	4064.0	1248.1	348.2	311.5	268.8	174.4	213.1	214.5	233.5	253.8
57.5°	4452.2	3489.2	857.2	282.3	234.1	221.9	143.9	179.9	192.7	204.3	219.2
60°	3318.1	2545.8	382.1	229.4	148.6	150.0	122.8	135.7	155.4	169.0	181.9
62.5°	1955.3	1464.6	155.4	137.8	82.1	94.3	99.1	99.1	111.3	121.5	129.6
65°	739.1	512.4	63.1	69.2	42.8	44.1	58.4	71.9	81.4	90.3	101.1
67.5°	129.6	89.6	32.6	25.8	25.1	22.4	29.9	46.8	52.3	59.0	63.8
70°	21.7	18.3	13.6	12.9	11.5	12.2	19.7	33.3	36.6	38.7	40.7
72.5°	6.1	5.4	4.1	3.4	2.7	3.4	12.2	25.8	27.1	28.5	30.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	18.3	19.7	20.4	22.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	5.4	6.8	5.4
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°	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7
2.5°	800.9	787.3	779.8	775.7	775.7	770.3	764.2	762.2	771.0	771.0	785.9
5°	721.5	710.6	698.4	690.9	679.4	681.4	674.6	673.9	682.8	686.8	702.4
7.5°	666.5	652.9	645.4	640.7	634.6	631.9	625.8	623.7	628.5	635.3	650.2
10°	629.8	627.8	627.1	630.5	630.5	627.1	621.7	618.3	619.6	632.5	649.5
12.5°	639.3	643.4	644.8	650.2	652.9	650.2	646.1	647.5	656.3	680.1	705.2
15°	680.7	677.3	676.0	678.7	680.7	678.0	676.7	686.8	717.4	751.3	779.8
17.5°	724.8	703.1	693.6	693.6	695.0	693.6	695.0	714.7	764.2	798.1	819.2
20°	747.2	707.2	692.3	688.9	691.6	692.3	697.0	719.4	773.7	797.5	802.2
22.5°	740.5	690.2	673.3	670.6	673.3	676.0	680.7	699.7	750.6	762.9	760.8
25°	706.5	657.0	643.4	643.4	649.5	648.8	650.9	664.4	706.5	714.0	710.6
27.5°	663.8	616.9	605.4	612.2	617.6	616.3	616.9	628.5	659.7	661.7	658.3
30°	620.3	579.6	568.7	576.9	584.4	583.0	583.7	595.2	614.9	612.9	608.1
32.5°	576.2	546.3	538.2	543.0	554.5	553.1	555.9	568.1	575.5	566.7	561.3
35°	535.5	519.9	513.8	516.5	525.3	527.3	532.1	540.2	540.2	529.4	519.9
37.5°	497.5	495.4	491.4	488.0	496.1	502.2	509.0	518.5	504.9	489.3	480.5
40°	462.2	471.0	465.6	456.8	461.5	470.3	483.9	491.4	475.1	459.5	444.5
42.5°	429.6	444.5	442.5	431.6	435.7	443.9	459.5	465.6	446.6	428.9	414.7
45°	398.4	419.4	420.8	407.2	411.3	419.4	437.8	439.8	415.4	396.4	386.2
47.5°	371.2	394.3	395.0	384.8	386.2	397.7	414.7	415.4	387.5	369.9	357.0
50°	345.5	371.9	374.0	365.1	366.5	380.1	394.3	391.6	361.7	343.4	331.9
52.5°	314.2	350.2	355.0	350.9	356.3	367.2	376.0	366.5	331.9	313.6	303.4
55°	280.3	327.1	337.3	334.6	340.7	349.5	351.6	345.5	302.0	283.7	274.2
57.5°	240.9	269.4	287.1	281.7	286.4	295.2	301.3	296.6	264.0	249.8	241.6
60°	199.5	218.5	222.6	213.8	209.7	225.3	239.6	233.5	205.6	196.8	187.3
62.5°	145.9	167.6	170.4	158.8	154.1	171.0	183.2	177.1	146.6	137.1	129.6
65°	116.7	137.1	142.5	131.7	129.0	141.8	149.3	134.4	112.7	102.5	94.3
67.5°	76.7	93.0	107.2	106.6	101.1	105.2	99.8	87.6	71.9	66.5	61.1
70°	47.5	57.0	65.8	69.2	68.5	67.2	59.7	50.9	46.2	44.1	41.4
72.5°	36.6	46.2	52.9	55.0	55.7	53.6	47.5	39.4	34.6	31.9	29.9
75°	27.1	34.6	40.0	42.8	44.1	42.8	36.6	31.2	26.5	24.4	22.4
77.5°	9.5	11.5	14.3	15.6	14.9	14.3	12.9	12.9	10.2	9.5	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7	887.7
2.5°	802.9	815.1	837.5	857.9	879.6	902.0	926.4	951.5	963.1	961.7
5°	726.2	752.7	789.3	829.4	874.2	922.3	976.0	1030.9	1054.7	1064.9
7.5°	678.0	715.3	763.5	814.4	873.5	942.0	1022.8	1109.0	1143.6	1155.1
10°	684.1	727.6	767.6	817.1	880.3	969.2	1069.6	1172.1	1212.8	1225.7
12.5°	733.7	743.2	754.0	794.8	874.2	989.5	1112.4	1234.5	1281.4	1294.3
15°	778.5	734.3	714.0	751.3	852.4	1003.8	1155.8	1301.7	1353.3	1368.2
17.5°	780.5	714.0	668.5	697.7	817.1	1009.9	1198.6	1370.3	1426.6	1440.9
20°	755.4	691.6	633.2	633.9	769.0	1008.5	1233.9	1432.0	1495.2	1508.1
22.5°	718.7	665.1	604.7	583.7	717.4	1005.8	1272.6	1497.9	1566.4	1578.6
25°	678.0	631.2	577.6	545.7	665.8	1008.5	1326.8	1584.1	1659.4	1670.9
27.5°	633.9	593.9	556.5	530.7	622.4	1018.7	1392.0	1694.0	1783.6	1795.8
30°	587.7	557.9	543.0	527.3	595.2	1021.4	1462.6	1822.3	1935.6	1952.6
32.5°	542.3	526.0	526.7	529.4	569.4	1002.4	1527.1	1964.8	2116.2	2143.3
35°	500.2	495.4	509.0	522.6	532.1	953.6	1583.4	2133.1	2339.5	2367.3
37.5°	464.2	468.3	485.3	498.8	491.4	884.3	1658.1	2343.5	2589.2	2613.0
40°	429.6	439.8	459.5	465.6	460.2	803.6	1747.6	2546.5	2805.7	2838.3
42.5°	397.7	405.2	433.0	434.4	451.3	721.5	1833.8	2765.0	3054.8	3071.8
45°	371.9	370.6	399.1	407.9	462.9	630.5	1918.0	3056.2	3380.6	3405.0
47.5°	346.8	345.5	352.2	392.3	467.6	546.3	2001.5	3482.4	3852.9	3895.0
50°	323.1	325.1	304.1	384.8	441.8	481.9	2039.5	3876.7	4282.6	4300.2
52.5°	302.0	294.6	257.9	360.4	386.9	420.8	1931.6	4055.9	4548.6	4598.8
55°	272.2	230.8	212.4	292.5	305.4	367.2	1582.0	3952.0	4571.7	4660.6
57.5°	232.8	181.2	180.5	215.8	215.8	340.7	1013.3	3376.5	3939.8	4095.9
60°	179.2	140.5	149.3	150.0	138.5	248.4	568.7	2446.0	2913.0	3068.4
62.5°	127.6	107.2	112.7	89.6	79.4	124.2	272.8	1408.3	1797.9	1819.6
65°	85.5	72.6	59.0	49.5	48.9	52.9	112.7	509.0	619.0	698.4
67.5°	56.3	44.1	31.2	31.2	35.3	35.3	42.8	84.2	118.1	107.9
70°	36.6	30.5	19.7	19.0	23.1	23.1	21.7	23.1	24.4	24.4
72.5°	27.1	23.1	11.5	10.2	12.9	13.6	12.2	11.5	11.5	11.5
75°	20.4	16.3	6.8	4.8	6.1	8.1	6.8	4.8	4.8	4.1
77.5°	8.1	6.1	2.7	2.0	3.4	4.8	4.1	2.0	1.4	1.4
80°	0.7	1.4	1.4	1.4	2.0	2.7	3.4	1.4	0.7	0.7
82.5°	0.0	0.7	0.7	0.7	1.4	2.0	2.7	1.4	0.7	0.7
85°	0.0	0.0	0.0	0.0	1.4	2.0	1.4	0.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.7	2.0	1.4	0.7	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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