

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: P631941

Luminaire Tested: GWS-SA2B-760-U-SLR-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-41)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-760-U-SLR-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6592.5 lumens
Efficiency: N/A
Efficacy: 142.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

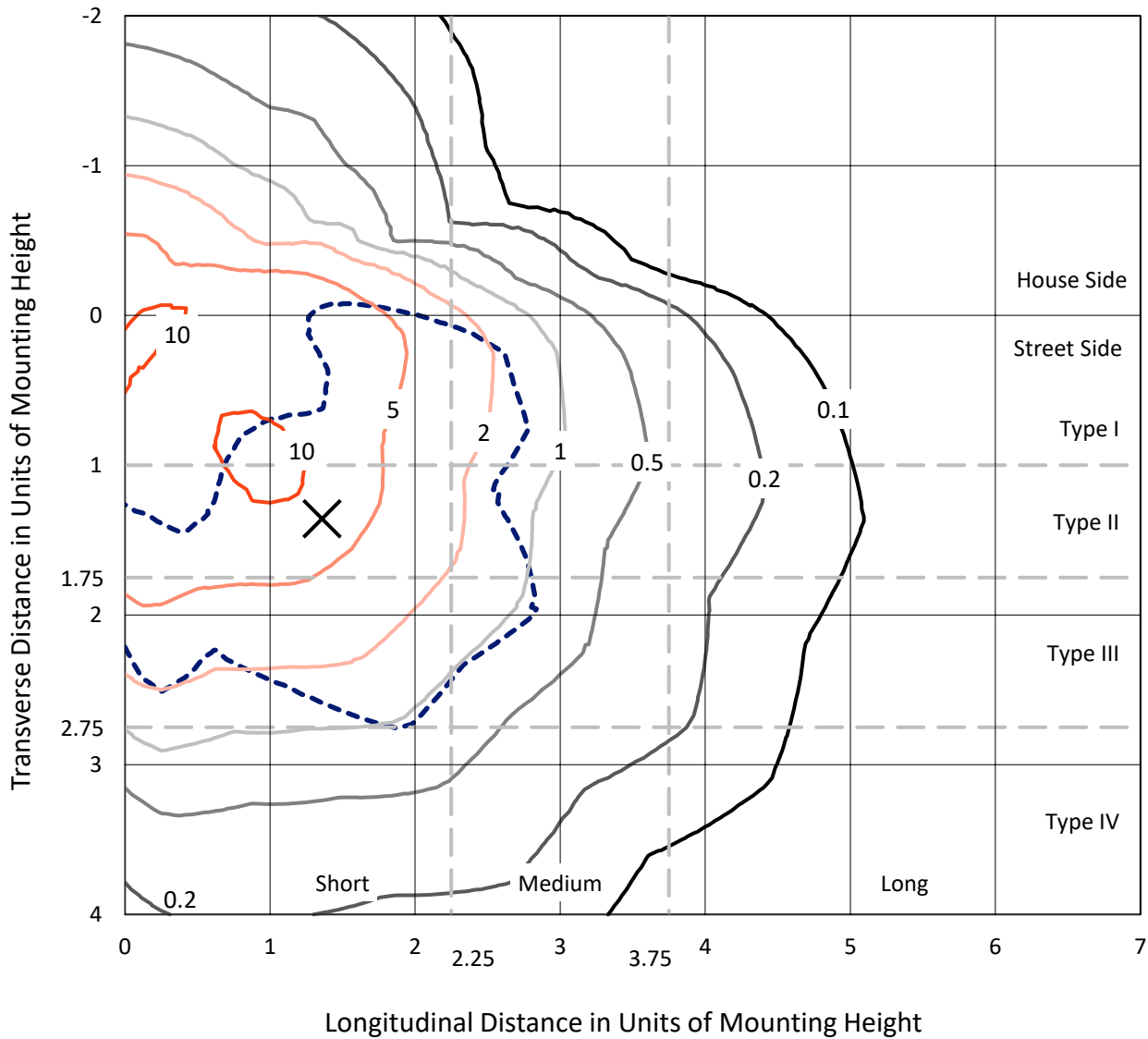
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

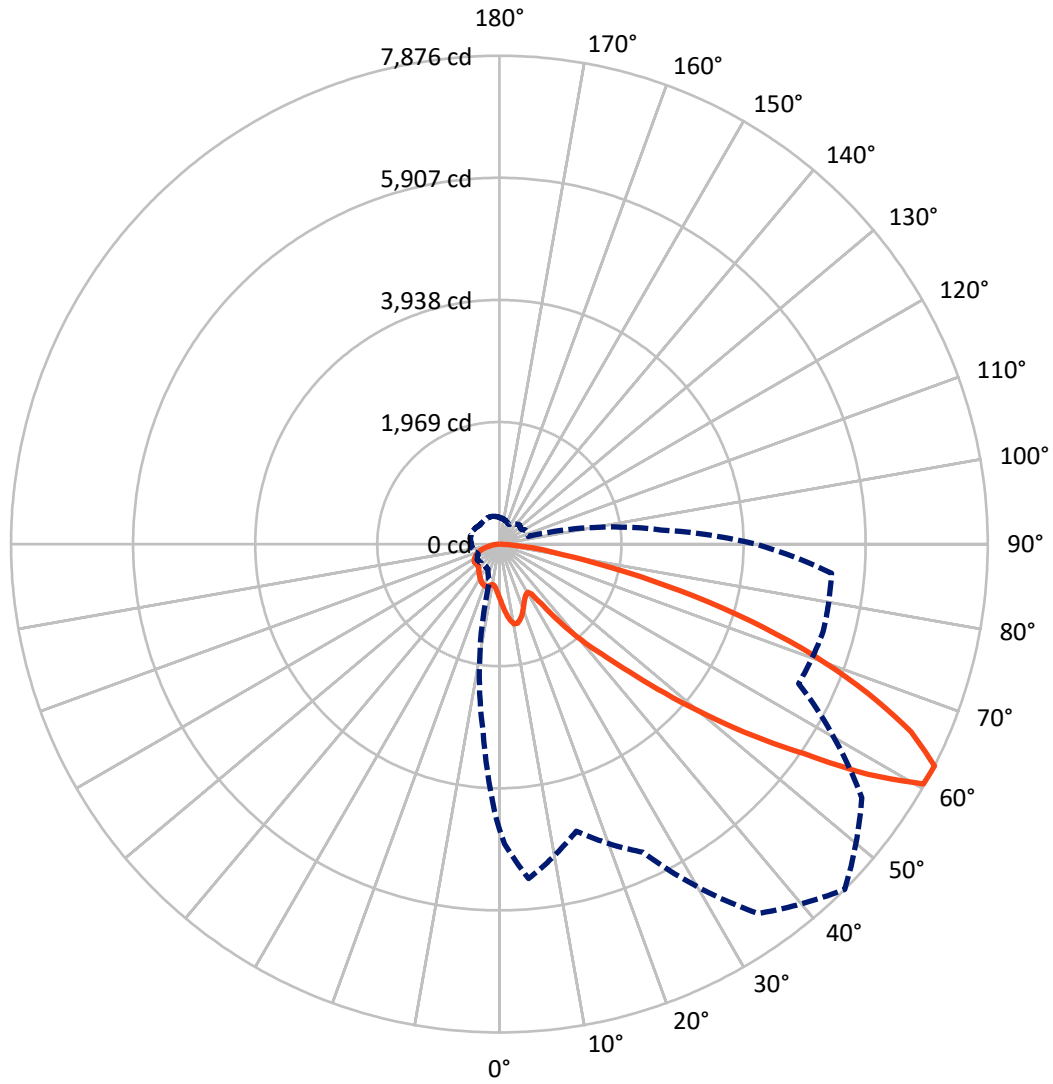
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1573.1	0.0	1573.1
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	5019.4	0.0	5019.4
	% Fixture	76.1	0.0	76.1
Total	Lumens	6592.5	0.0	6592.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	1.3
10°-20°	267.9	4.1
20°-30°	416.1	6.3
30°-40°	564.9	8.6
40°-50°	895.3	13.6
50°-60°	1579.4	24.0
60°-70°	1757.3	26.7
70°-80°	891.2	13.5
80°-90°	134.9	2.0
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°	6592.5	100.0
0°-180°	6592.5	100.0

Coefficient of Utilization



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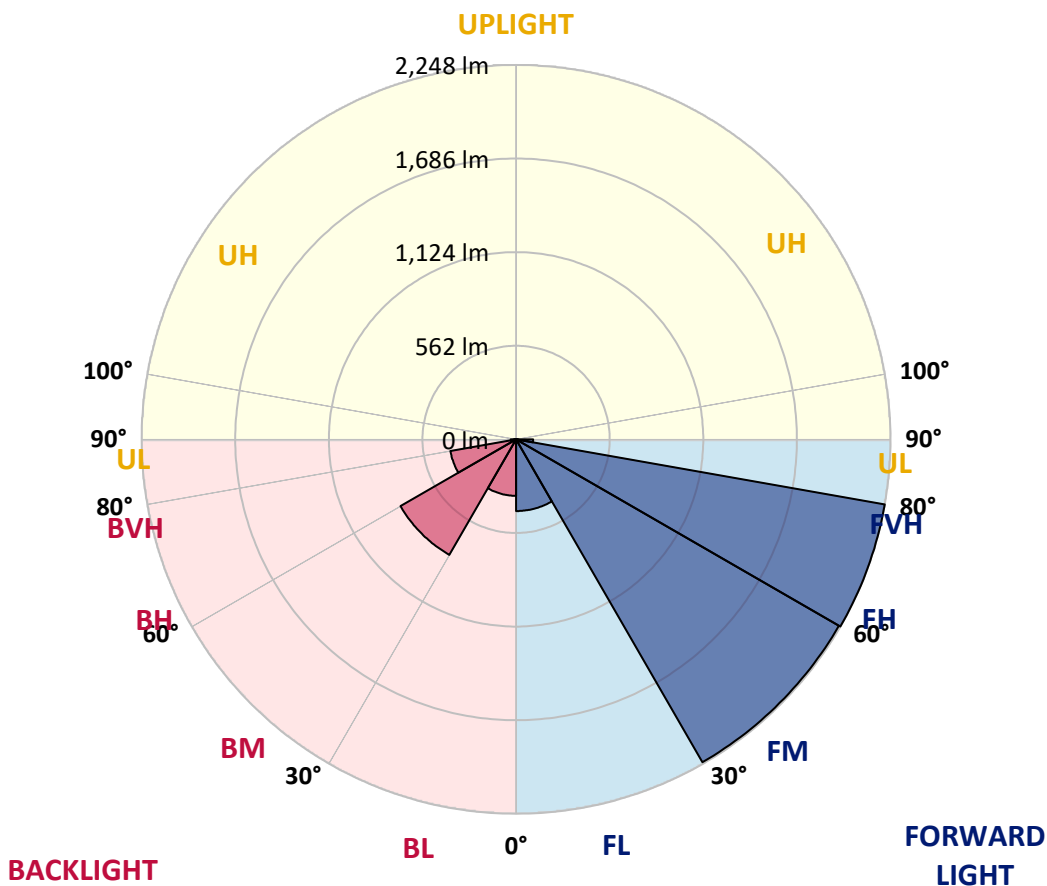
CATALOG NUMBER: GWS-SA2B-760-U-SLR-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	430.4	6.5			
FM (30°-60°)	2238.4	34.0			
FH (60°-80°)	2248.1	34.1			G2/5000
FVH (80°-90°)	102.4	1.6			G2/225
BL (0°-30°)	339.0	5.1	B1/500		
BM (30°-60°)	801.2	12.2	B1/1000		
BH (60°-80°)	400.4	6.1	B1/500		G1/500
BVH (80°-90°)	32.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0
2.5°	940.3	939.8	949.3	963.8	977.3	983.3	993.3	992.3	984.3	973.8	970.3
5°	1014.2	1016.2	1032.7	1064.6	1100.1	1115.0	1121.5	1119.0	1104.6	1086.1	1053.6
7.5°	1081.1	1084.6	1110.0	1158.0	1201.9	1221.8	1237.8	1234.8	1213.9	1179.4	1131.5
10°	1130.0	1134.0	1164.4	1220.9	1269.8	1287.2	1307.7	1308.7	1290.2	1243.8	1194.9
12.5°	1178.9	1182.9	1211.4	1262.8	1294.7	1295.2	1307.2	1313.7	1314.7	1293.2	1244.3
15°	1229.8	1233.3	1259.3	1288.2	1286.7	1258.8	1258.8	1271.3	1298.7	1314.2	1280.2
17.5°	1273.3	1277.8	1297.7	1288.2	1243.8	1193.4	1187.4	1203.4	1251.3	1310.7	1307.2
20°	1309.2	1312.7	1323.7	1260.8	1179.9	1114.0	1102.6	1121.0	1185.9	1289.2	1327.7
22.5°	1343.6	1345.6	1339.6	1224.8	1111.0	1035.7	1021.7	1041.2	1111.0	1251.3	1345.1
25°	1384.6	1382.6	1354.1	1187.4	1048.2	973.8	959.3	981.3	1054.1	1200.9	1364.1
27.5°	1432.0	1424.5	1366.6	1147.0	999.7	927.9	917.9	941.3	1009.2	1154.5	1379.1
30°	1472.4	1457.9	1368.6	1111.0	974.8	908.4	902.4	924.4	987.3	1123.0	1398.0
32.5°	1517.3	1497.4	1380.1	1101.6	988.8	955.3	963.3	964.8	993.3	1114.0	1426.5
35°	1581.7	1555.8	1411.5	1129.0	1132.5	1188.9	1217.9	1178.9	1083.6	1134.0	1480.4
37.5°	1679.0	1646.1	1475.4	1247.8	1429.5	1555.8	1625.6	1536.8	1358.1	1209.4	1561.8
40°	1797.3	1755.4	1557.3	1467.4	1707.0	1909.1	2033.4	1903.1	1640.6	1397.5	1676.0
42.5°	1962.5	1918.6	1716.0	1683.0	1964.0	2265.0	2427.2	2233.1	1889.7	1640.6	1859.2
45°	2250.5	2208.1	2007.0	1899.2	2265.0	2703.2	2930.8	2660.8	2142.7	1884.7	2201.6
47.5°	2782.6	2732.7	2439.2	2138.7	2608.4	3272.2	3590.7	3197.4	2405.8	2164.2	2776.6
50°	3421.5	3373.6	2981.7	2422.2	2987.7	3880.7	4323.4	3827.8	2708.7	2504.1	3463.9
52.5°	4190.1	4181.1	3755.9	2780.6	3382.5	4529.5	5136.5	4526.0	3040.6	2961.8	4242.5
55°	4882.9	4970.7	4739.2	3327.1	3892.6	5344.6	5972.5	5287.7	3490.9	3718.5	5154.4
57.5°	5256.2	5492.3	5848.2	4442.2	4634.3	6318.9	7004.2	6217.6	4264.5	4978.2	5999.9
60°	5009.7	5277.2	5922.1	5281.7	5370.0	7099.5	7855.7	6999.2	5024.2	5852.7	5952.0
62.5°	4599.4	4839.5	5413.0	4791.6	5483.8	7271.2	7875.6	7135.4	5326.1	5409.0	5376.5
65°	4112.8	4354.8	4962.3	4182.6	5122.0	6863.4	7294.7	6734.6	4783.6	4886.9	4898.9
67.5°	3466.4	3690.0	4308.4	3719.0	4668.8	6265.0	6402.7	6163.6	4405.2	4570.0	4397.8
70°	2589.9	2791.6	3337.6	3022.2	3935.6	5485.3	5374.0	5409.5	3980.5	4144.2	3673.5
72.5°	1769.9	1921.6	2389.8	2374.8	3013.7	4391.3	4236.0	4571.9	3324.6	3541.8	2800.6
75°	1237.8	1356.1	1727.5	1876.2	2278.0	3254.8	3016.7	3422.0	2596.4	2906.4	2043.4
77.5°	759.7	838.0	1091.1	1390.1	1465.4	2227.6	1873.7	2575.0	1823.3	2119.8	1363.1
80°	379.8	417.8	530.1	874.0	971.8	1312.7	1034.7	1494.9	1233.8	1312.7	754.2
82.5°	114.8	126.8	155.2	331.9	503.6	755.7	611.4	868.5	673.8	615.4	297.0
85°	30.4	34.4	42.9	98.3	176.7	271.0	206.6	420.8	322.9	227.1	111.8
87.5°	2.5	2.5	2.0	2.0	1.0	0.0	0.0	29.9	60.4	34.4	19.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0
2.5°	952.8	950.8	930.4	915.4	897.9	880.9	863.5	848.0	830.5	813.1	808.1
5°	1029.7	1015.7	972.3	935.9	899.9	868.5	841.0	812.6	789.6	767.1	758.7
7.5°	1097.6	1073.1	1010.2	954.8	904.9	866.0	825.5	784.1	751.7	719.7	711.7
10°	1159.0	1126.5	1047.2	977.3	921.9	877.5	830.0	774.6	727.7	688.8	678.3
12.5°	1204.4	1168.9	1079.1	998.7	935.9	885.9	839.0	790.1	740.7	690.3	678.8
15°	1240.3	1203.4	1105.6	1015.2	936.4	872.0	826.5	809.6	794.1	744.7	723.7
17.5°	1269.3	1230.3	1128.5	1025.2	922.9	829.5	790.1	815.1	854.5	823.5	784.1
20°	1295.7	1256.3	1146.0	1032.2	892.9	771.1	749.2	802.1	861.5	860.5	825.0
22.5°	1324.7	1286.2	1171.4	1036.2	851.0	711.7	724.7	783.1	831.5	846.0	824.0
25°	1361.6	1327.7	1206.9	1045.2	803.6	670.8	706.8	758.7	799.1	802.6	789.6
27.5°	1404.5	1379.1	1259.8	1066.1	757.7	649.9	685.8	724.2	761.2	762.7	747.2
30°	1451.4	1434.5	1308.7	1083.6	723.2	643.4	658.8	689.8	713.2	717.2	703.8
32.5°	1511.3	1496.4	1352.1	1072.1	702.8	641.9	633.9	649.9	669.3	669.3	658.8
35°	1593.7	1572.7	1398.0	1028.2	677.8	635.9	607.4	611.9	620.4	621.9	615.9
37.5°	1710.5	1676.0	1444.5	941.3	636.9	614.4	577.0	571.5	574.5	578.5	577.0
40°	1855.2	1798.8	1512.3	837.0	588.0	573.0	545.5	535.1	532.6	540.5	543.5
42.5°	2037.4	1951.1	1585.2	739.7	543.5	525.6	508.6	499.6	495.6	509.1	517.1
45°	2328.4	2186.2	1655.1	643.4	518.6	485.1	473.7	467.2	469.2	485.1	495.1
47.5°	2831.0	2545.0	1721.5	582.5	516.6	456.2	442.2	443.7	449.2	466.2	478.2
50°	3466.9	3025.7	1765.9	557.0	522.6	438.7	420.3	428.2	436.7	453.2	467.2
52.5°	4114.3	3473.4	1713.0	543.0	522.1	439.2	399.8	423.8	427.7	444.2	459.2
55°	4559.5	3523.3	1479.9	521.6	514.1	459.2	383.8	421.8	424.3	439.2	452.7
57.5°	4729.2	3352.6	1128.5	527.6	490.1	474.7	376.8	407.8	425.8	438.7	452.7
60°	4524.0	3030.7	685.8	543.0	451.7	473.7	381.3	382.3	413.3	435.2	449.2
62.5°	4137.2	2617.4	481.7	499.1	423.8	447.2	391.8	352.4	391.3	417.8	430.2
65°	3694.0	2131.2	367.4	429.7	410.3	406.3	395.3	325.9	361.4	387.3	398.3
67.5°	3232.3	1656.6	298.5	320.4	370.8	367.4	361.4	302.5	325.9	344.4	356.9
70°	2650.8	1159.0	252.1	240.6	317.9	329.4	315.9	273.0	280.5	299.5	309.5
72.5°	1939.1	722.2	207.1	198.7	255.6	288.0	281.0	240.6	244.1	262.0	270.0
75°	1394.5	413.3	166.2	163.7	195.2	246.6	232.6	207.1	211.1	224.6	230.1
77.5°	886.4	230.1	128.3	131.8	139.8	184.2	198.7	177.2	177.2	185.2	189.7
80°	474.7	131.8	93.8	95.3	97.8	140.8	156.7	137.3	137.3	131.8	137.3
82.5°	193.7	75.9	64.4	59.9	65.4	96.3	109.8	87.3	91.3	82.4	84.4
85°	63.9	37.9	31.9	31.4	30.9	42.4	52.9	43.4	51.9	32.9	34.4
87.5°	8.5	7.0	4.0	3.0	3.5	1.5	3.0	3.5	3.5	2.5	2.5
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°	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0
2.5°	804.6	800.6	786.1	789.6	787.1	783.1	787.1	779.6	785.6	787.6	800.1
5°	752.2	742.7	728.7	721.7	720.2	716.2	716.7	713.2	714.2	722.7	736.7
7.5°	705.3	696.3	685.3	680.3	675.8	671.3	670.8	670.3	674.3	681.8	695.3
10°	671.3	666.3	661.8	663.8	661.8	659.8	656.3	656.3	662.8	676.3	692.8
12.5°	671.3	670.3	671.3	677.3	676.8	677.3	672.8	675.3	693.3	716.2	739.7
15°	707.3	699.3	699.3	702.3	701.3	701.3	701.3	711.7	752.7	788.1	813.1
17.5°	751.2	727.7	717.7	716.2	715.7	715.7	717.7	740.2	804.1	841.5	856.0
20°	781.6	737.2	720.7	714.2	714.7	715.7	721.7	752.7	823.1	842.0	838.5
22.5°	787.1	729.7	709.8	700.3	701.8	702.8	711.7	744.7	797.1	800.1	793.1
25°	761.7	708.8	687.3	679.8	681.8	681.3	689.3	713.2	750.7	749.7	745.7
27.5°	723.7	675.3	659.3	654.3	657.8	653.8	656.3	674.8	703.8	702.8	701.3
30°	684.8	642.9	628.4	625.9	630.4	624.4	624.9	640.4	660.3	659.3	658.8
32.5°	645.9	610.4	597.4	597.4	601.9	595.5	596.4	609.9	623.4	619.4	619.4
35°	608.9	584.0	573.5	571.5	575.0	570.5	572.5	585.0	590.0	584.5	581.0
37.5°	576.5	565.5	555.0	548.0	548.5	549.0	555.0	564.5	561.5	553.5	549.0
40°	546.5	546.5	536.6	523.6	522.1	525.6	535.6	546.0	537.6	528.6	523.1
42.5°	525.1	529.6	520.1	507.1	504.1	510.1	521.1	528.6	518.6	508.6	501.1
45°	505.1	516.1	509.6	495.1	491.1	498.1	512.1	515.1	501.6	492.1	486.6
47.5°	491.1	506.1	501.6	487.6	481.7	491.6	506.1	505.6	488.6	478.7	474.2
50°	481.2	500.1	499.6	487.6	481.2	493.6	506.6	500.1	481.7	471.2	466.7
52.5°	473.2	499.6	503.1	496.1	491.6	502.6	510.6	498.1	476.7	465.7	462.2
55°	469.7	501.6	504.1	497.6	493.6	503.6	510.6	502.1	476.7	466.7	463.7
57.5°	470.7	499.1	499.6	490.6	483.6	496.1	507.1	504.6	482.2	470.7	467.2
60°	464.7	485.6	486.6	472.7	464.7	479.7	499.1	497.6	479.7	467.7	461.2
62.5°	444.7	463.2	463.7	450.7	439.2	460.7	482.2	481.7	465.2	453.2	445.7
65°	411.3	430.7	435.7	423.3	414.3	437.2	459.7	458.7	442.2	431.2	423.8
67.5°	369.8	390.8	400.3	391.8	388.3	409.3	430.2	429.7	416.3	405.8	399.3
70°	319.4	336.9	352.9	352.9	350.4	374.3	396.8	394.8	382.3	374.3	369.3
72.5°	277.5	291.0	296.0	301.0	308.5	333.4	352.4	353.9	344.9	340.9	344.9
75°	236.1	244.6	249.1	245.1	258.0	284.0	309.0	311.5	302.0	295.5	297.0
77.5°	194.2	203.6	208.1	199.1	198.2	231.1	261.5	267.0	259.0	249.1	252.1
80°	140.3	152.7	160.2	154.2	152.2	166.7	208.6	214.6	207.1	199.1	203.6
82.5°	85.8	92.8	94.8	100.8	113.3	119.3	134.3	154.2	148.7	141.8	154.2
85°	33.9	40.4	44.9	50.9	59.4	70.4	82.9	98.8	89.8	86.8	102.3
87.5°	2.0	0.5	0.0	1.0	8.5	16.5	35.4	48.9	40.9	43.9	52.9
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°	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0	875.0
2.5°	810.1	823.1	840.5	855.0	873.5	890.9	908.9	926.9	936.4	940.3
5°	752.7	776.6	804.6	835.5	871.5	909.4	947.8	987.3	1012.2	1014.2
7.5°	718.2	752.7	791.1	830.0	874.5	926.9	987.8	1048.7	1074.1	1081.1
10°	729.2	767.6	798.1	834.5	883.4	948.8	1020.7	1092.1	1121.5	1130.0
12.5°	773.1	780.6	790.1	823.5	883.4	967.8	1054.6	1139.5	1170.9	1178.9
15°	809.6	773.6	756.7	792.1	871.5	984.3	1090.6	1184.4	1222.3	1229.8
17.5°	812.6	750.7	713.7	745.7	850.5	995.7	1125.0	1234.3	1266.3	1273.3
20°	782.1	726.2	678.3	697.8	822.1	1000.7	1150.0	1270.8	1302.2	1309.2
22.5°	747.7	706.3	654.3	653.3	787.6	1006.2	1179.9	1305.2	1339.1	1343.6
25°	715.2	678.8	634.9	620.9	747.7	1016.7	1220.4	1357.1	1383.1	1384.6
27.5°	677.3	649.4	619.4	605.9	712.7	1036.7	1280.2	1419.0	1434.5	1432.0
30°	642.9	621.9	608.4	604.4	690.8	1051.6	1337.1	1479.9	1480.9	1472.4
32.5°	606.4	598.4	598.4	611.4	672.8	1048.2	1383.6	1539.3	1529.8	1517.3
35°	574.0	575.5	586.0	616.4	642.9	1013.2	1428.0	1613.7	1599.7	1581.7
37.5°	543.0	554.5	569.5	598.9	603.4	961.3	1479.9	1719.0	1701.5	1679.0
40°	516.6	534.1	551.5	566.0	561.5	887.4	1552.3	1842.8	1823.3	1797.3
42.5°	495.6	512.6	532.1	533.6	535.1	810.6	1629.1	1994.5	1991.0	1962.5
45°	482.2	493.1	511.6	509.1	533.6	725.7	1700.0	2226.1	2272.0	2250.5
47.5°	473.2	481.7	483.6	494.1	546.5	649.9	1791.3	2679.3	2807.1	2782.6
50°	468.2	476.7	454.2	495.1	548.5	600.9	1917.6	3248.3	3453.9	3421.5
52.5°	467.7	465.7	431.7	505.6	537.6	571.0	1983.5	3663.5	4119.7	4190.1
55°	468.7	443.7	420.3	508.6	515.6	560.0	1762.9	3863.2	4734.2	4882.9
57.5°	459.7	419.8	426.7	496.6	474.2	589.5	1303.2	3791.8	4979.7	5256.2
60°	442.7	396.8	438.7	464.2	431.7	539.1	897.4	3473.4	4725.2	5009.7
62.5°	418.3	380.8	437.2	422.3	416.3	441.2	616.9	3027.7	4321.4	4599.4
65°	390.8	367.9	413.8	381.8	385.3	339.4	436.2	2524.6	3839.2	4112.8
67.5°	361.4	359.9	379.3	339.9	325.4	269.0	317.9	2023.4	3219.8	3466.4
70°	327.9	338.9	344.9	302.0	264.0	211.1	236.1	1415.0	2375.3	2589.9
72.5°	294.5	295.5	304.0	262.5	197.7	169.2	177.2	857.0	1613.7	1769.9
75°	260.5	251.1	259.0	213.6	147.2	138.8	136.8	529.6	1114.5	1237.8
77.5°	224.1	213.6	203.1	160.7	118.3	107.3	104.8	297.0	683.8	759.7
80°	182.2	168.2	151.7	117.8	86.3	76.9	76.4	144.7	340.9	379.8
82.5°	141.8	115.3	110.8	73.4	53.4	46.9	49.9	55.4	102.8	114.8
85°	99.3	83.9	58.9	29.4	24.0	19.5	19.0	16.5	27.5	30.4
87.5°	55.4	36.4	19.0	3.5	4.0	4.5	3.5	2.5	2.5	2.5
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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