

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: P631938

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631938
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-SA2B-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3714.5 lumens
Efficiency: N/A
Efficacy: 80.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

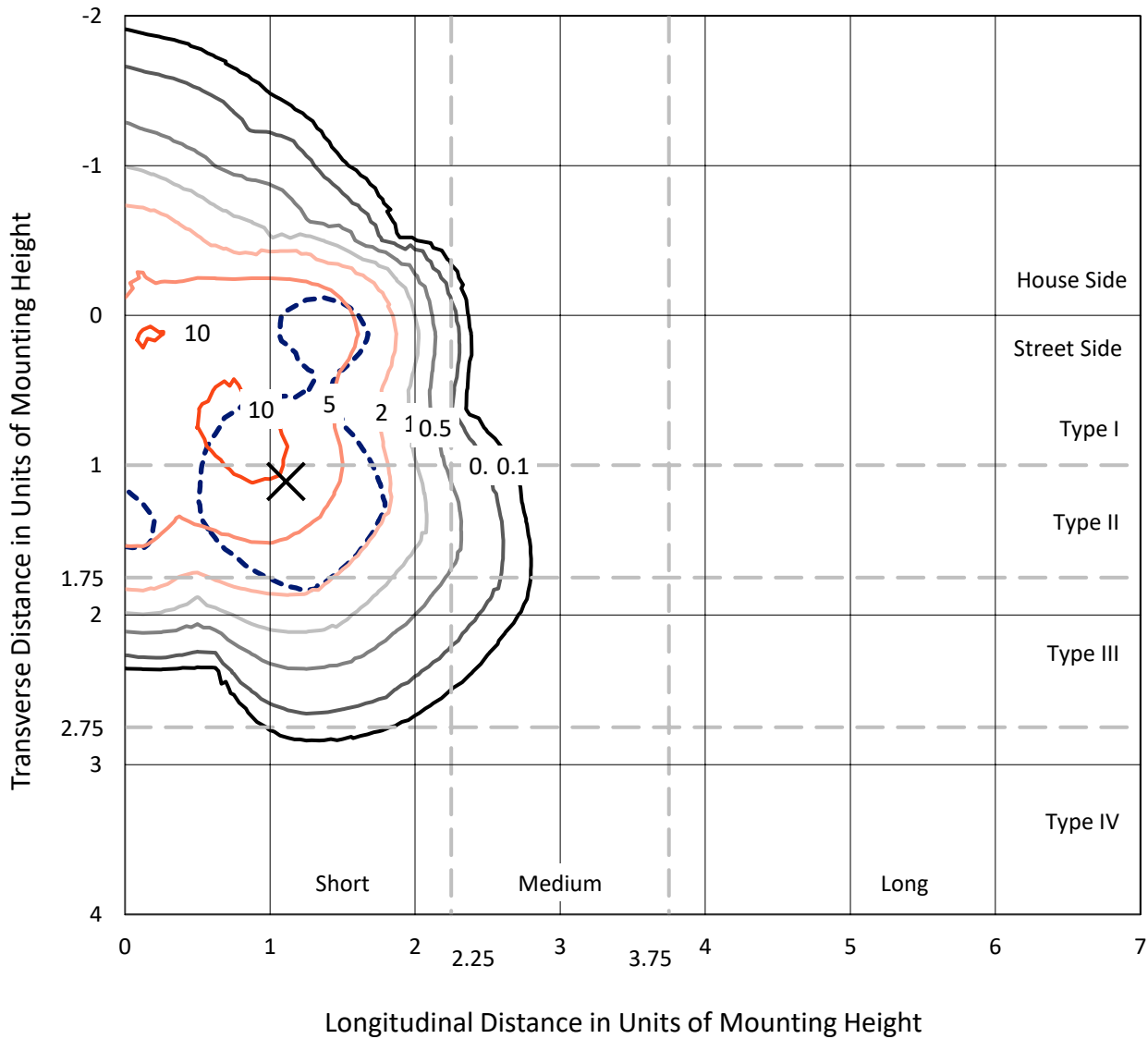
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

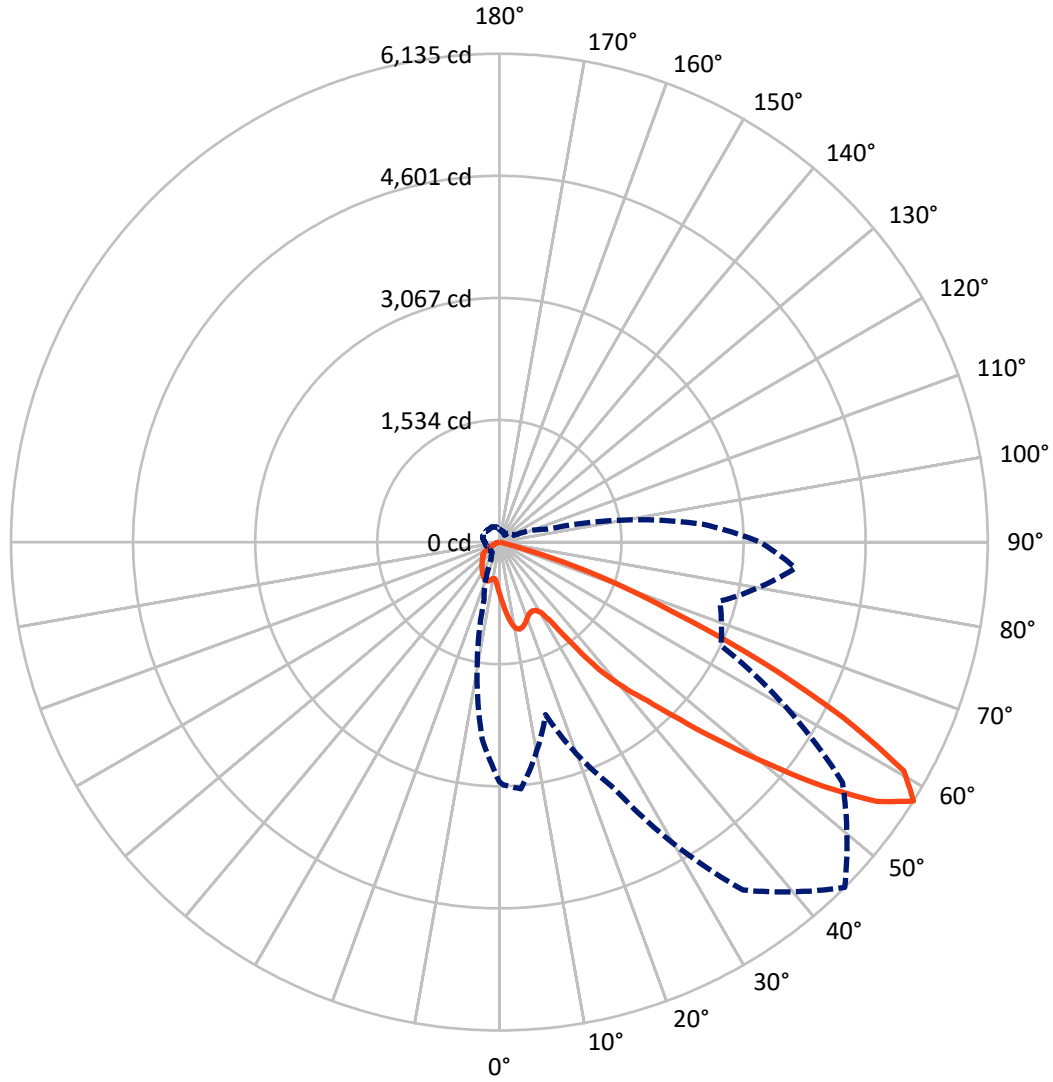
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 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	831.8	0.0	831.8
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2882.7	0.0	2882.7
	% Fixture	77.6	0.0	77.6
Total	Lumens	3714.5	0.0	3714.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	1.7
10°-20°	207.8	5.6
20°-30°	337.5	9.1
30°-40°	521.5	14.0
40°-50°	836.2	22.5
50°-60°	1142.9	30.8
60°-70°	553.5	14.9
70°-80°	50.7	1.4
80°-90°	0.1	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°	3714.5	100.0
0°-180°	3714.5	100.0

Coefficient of Utilization



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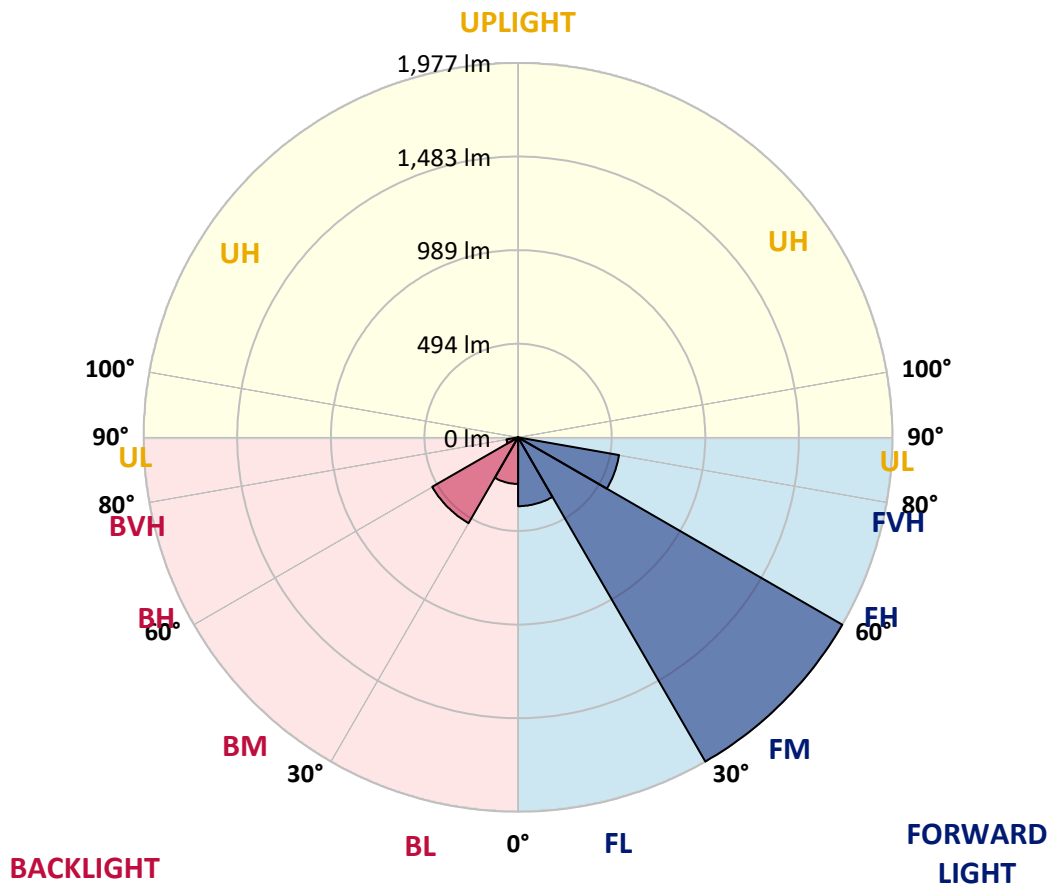
CATALOG NUMBER: GWS-SA2B-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.4	9.8			
FM (30°-60°)	1977.3	53.2			
FH (60°-80°)	541.9	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	246.1	6.6	B1/500		
BM (30°-60°)	523.3	14.1	B1/1000		
BH (60°-80°)	62.3	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-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9
2.5°	707.3	711.8	719.2	735.2	748.7	757.7	761.7	760.7	755.2	751.2	743.2
5°	783.1	783.1	797.6	834.0	862.0	879.5	888.5	883.0	872.0	854.5	827.6
7.5°	849.5	852.0	876.5	928.4	970.8	995.8	1010.2	1007.2	987.8	954.3	900.4
10°	901.4	904.4	936.9	1000.3	1050.2	1075.6	1097.1	1099.1	1077.6	1033.2	971.3
12.5°	951.8	954.8	988.8	1049.7	1093.6	1104.1	1123.0	1130.5	1125.0	1093.6	1029.2
15°	1006.2	1013.2	1042.2	1087.6	1106.1	1093.6	1106.1	1119.6	1138.0	1135.0	1077.1
17.5°	1059.7	1064.6	1094.1	1110.1	1089.6	1057.2	1063.1	1079.1	1121.0	1162.0	1124.5
20°	1109.1	1116.1	1140.5	1119.6	1057.7	1007.2	1007.7	1028.7	1092.6	1178.4	1173.0
22.5°	1161.0	1171.5	1188.9	1130.0	1028.2	967.8	970.3	989.3	1070.1	1193.9	1227.9
25°	1228.9	1238.8	1250.3	1156.0	1018.7	948.3	957.8	975.3	1070.1	1220.4	1295.7
27.5°	1320.7	1327.7	1328.2	1204.4	1035.2	951.3	971.3	991.3	1102.1	1273.3	1386.6
30°	1436.0	1447.0	1432.5	1279.8	1086.6	991.3	1020.7	1045.7	1171.0	1362.6	1520.4
32.5°	1576.3	1591.7	1572.3	1391.6	1193.9	1129.0	1182.4	1196.9	1280.8	1491.9	1672.1
35°	1741.0	1753.9	1733.0	1546.3	1444.5	1456.5	1553.3	1534.8	1501.4	1651.1	1849.3
37.5°	1921.7	1933.6	1893.2	1780.9	1814.8	1866.7	2021.5	1958.1	1850.3	1856.3	2041.4
40°	2087.4	2100.3	2037.0	2036.0	2105.8	2200.7	2387.3	2300.0	2153.3	2124.8	2221.6
42.5°	2259.1	2268.1	2210.7	2171.7	2330.4	2525.6	2723.3	2605.5	2353.9	2323.0	2447.2
45°	2504.1	2523.1	2420.8	2238.6	2532.6	2899.5	3175.0	2944.9	2490.7	2465.7	2792.6
47.5°	2864.5	2878.5	2669.9	2280.5	2720.8	3365.1	3739.5	3385.1	2611.0	2554.1	3264.8
50°	3162.5	3172.0	2899.0	2326.4	2920.9	3867.3	4382.9	3907.2	2746.2	2700.3	3705.5
52.5°	3382.1	3418.0	3199.9	2420.8	3184.0	4457.7	5095.1	4525.6	2957.4	2982.8	4070.9
55°	3427.5	3476.4	3405.6	2478.7	3415.6	5059.2	5753.0	5079.2	3168.0	3196.9	4193.7
57.5°	3012.3	3051.2	3110.1	2245.1	3410.1	5334.7	6134.8	5262.8	3072.2	2867.0	3734.0
60°	2256.6	2283.5	2390.3	1716.0	3136.0	5091.1	5837.3	4950.4	2686.3	2187.7	2845.0
62.5°	1338.2	1350.1	1485.4	1111.6	2603.0	4384.4	4841.1	4271.6	2122.8	1471.4	1742.5
65°	513.6	508.6	611.9	548.5	1914.2	3492.4	3600.7	3256.3	1456.5	674.3	664.3
67.5°	79.4	75.9	102.3	162.2	1380.6	2420.3	2375.9	2346.9	912.4	157.2	137.3
70°	18.0	18.0	22.0	47.9	843.5	1422.0	1521.9	1451.0	584.0	33.4	18.0
72.5°	8.5	8.5	10.5	20.5	305.5	586.0	682.8	672.3	189.7	11.0	6.5
75°	3.0	3.5	3.5	4.5	18.5	30.4	69.9	49.9	12.0	0.0	0.0
77.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.5	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	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°	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9
2.5°	725.7	722.2	709.3	691.8	674.8	659.9	644.4	625.9	612.4	597.0	592.0
5°	806.6	784.6	749.2	712.3	678.3	649.4	621.4	591.5	569.5	547.5	540.1
7.5°	875.0	842.5	785.1	729.7	683.3	642.4	602.0	561.0	529.1	503.1	495.1
10°	936.4	898.9	822.1	753.7	695.3	647.9	599.0	547.5	506.1	475.2	467.7
12.5°	989.3	945.9	853.5	771.7	700.3	645.9	598.5	557.5	520.1	484.7	475.2
15°	1033.7	985.8	880.0	783.6	692.8	620.9	579.5	573.0	570.0	531.1	512.6
17.5°	1077.1	1023.2	901.4	789.1	671.8	577.0	547.0	576.5	607.9	582.5	559.0
20°	1122.5	1061.2	923.4	790.1	636.9	527.6	522.6	569.0	608.9	601.0	579.0
22.5°	1176.0	1108.6	950.8	789.6	593.0	485.7	504.6	554.5	587.0	586.5	569.0
25°	1253.3	1168.5	987.8	792.6	545.1	453.2	484.7	530.1	556.5	555.5	541.1
27.5°	1336.2	1239.8	1035.7	800.1	504.1	434.2	461.2	496.6	519.6	518.6	506.1
30°	1452.5	1322.2	1081.6	800.6	474.7	424.3	435.2	459.7	481.7	479.2	469.7
32.5°	1593.7	1415.0	1120.0	772.2	456.2	414.8	408.3	420.8	437.7	434.2	431.7
35°	1764.4	1525.3	1153.0	709.8	427.8	395.8	378.3	380.8	392.8	394.8	393.8
37.5°	1959.1	1656.6	1193.9	627.4	389.3	368.4	344.9	342.9	349.9	356.4	361.4
40°	2151.3	1804.4	1249.3	544.1	354.4	333.4	311.0	306.0	309.0	320.4	330.9
42.5°	2367.4	1975.6	1309.2	472.7	330.4	295.0	273.5	264.0	272.5	291.0	303.5
45°	2678.8	2215.6	1367.6	415.8	320.4	261.0	232.1	231.1	240.6	264.5	278.5
47.5°	3116.1	2526.1	1406.1	371.4	319.9	234.6	200.2	206.1	217.1	240.6	256.6
50°	3542.3	2914.9	1363.6	337.4	309.5	217.1	176.2	188.2	199.2	219.6	236.1
52.5°	3799.4	3124.1	1198.4	305.5	277.0	209.1	152.7	173.7	175.7	194.2	211.6
55°	3772.4	2988.8	917.9	256.1	229.1	197.7	128.3	156.7	157.7	171.7	186.7
57.5°	3274.3	2566.0	630.4	207.6	172.2	163.2	105.8	132.3	141.8	150.2	161.2
60°	2440.3	1872.2	281.0	168.7	109.3	110.3	90.3	99.8	114.3	124.3	133.8
62.5°	1438.0	1077.1	114.3	101.3	60.4	69.4	72.9	72.9	81.9	89.3	95.3
65°	543.6	376.8	46.4	50.9	31.4	32.4	42.9	52.9	59.9	66.4	74.4
67.5°	95.3	65.9	24.0	19.0	18.5	16.5	22.0	34.4	38.4	43.4	46.9
70°	16.0	13.5	10.0	9.5	8.5	9.0	14.5	24.5	27.0	28.5	29.9
72.5°	4.5	4.0	3.0	2.5	2.0	2.5	9.0	19.0	20.0	21.0	22.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	13.5	14.5	15.0	16.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	4.0	5.0	4.0
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°	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9
2.5°	589.0	579.0	573.5	570.5	570.5	566.5	562.0	560.5	567.0	567.0	578.0
5°	530.6	522.6	513.6	508.1	499.6	501.1	496.1	495.6	502.1	505.1	516.6
7.5°	490.1	480.2	474.7	471.2	466.7	464.7	460.2	458.7	462.2	467.2	478.2
10°	463.2	461.7	461.2	463.7	463.7	461.2	457.2	454.7	455.7	465.2	477.7
12.5°	470.2	473.2	474.2	478.2	480.2	478.2	475.2	476.2	482.7	500.1	518.6
15°	500.6	498.1	497.1	499.1	500.6	498.6	497.6	505.1	527.6	552.5	573.5
17.5°	533.1	517.1	510.1	510.1	511.1	510.1	511.1	525.6	562.0	587.0	602.5
20°	549.5	520.1	509.1	506.6	508.6	509.1	512.6	529.1	569.0	586.5	590.0
22.5°	544.6	507.6	495.1	493.1	495.1	497.1	500.6	514.6	552.0	561.0	559.5
25°	519.6	483.2	473.2	473.2	477.7	477.2	478.7	488.6	519.6	525.1	522.6
27.5°	488.2	453.7	445.2	450.2	454.2	453.2	453.7	462.2	485.2	486.7	484.2
30°	456.2	426.3	418.3	424.3	429.8	428.8	429.3	437.7	452.2	450.7	447.2
32.5°	423.8	401.8	395.8	399.3	407.8	406.8	408.8	417.8	423.3	416.8	412.8
35°	393.8	382.3	377.8	379.8	386.3	387.8	391.3	397.3	397.3	389.3	382.3
37.5°	365.9	364.4	361.4	358.9	364.9	369.4	374.3	381.3	371.4	359.9	353.4
40°	339.9	346.4	342.4	335.9	339.4	345.9	355.9	361.4	349.4	337.9	326.9
42.5°	315.9	326.9	325.4	317.4	320.4	326.4	337.9	342.4	328.4	315.5	305.0
45°	293.0	308.5	309.5	299.5	302.5	308.5	321.9	323.4	305.5	291.5	284.0
47.5°	273.0	290.0	290.5	283.0	284.0	292.5	305.0	305.5	285.0	272.0	262.5
50°	254.1	273.5	275.0	268.5	269.5	279.5	290.0	288.0	266.0	252.6	244.1
52.5°	231.1	257.6	261.0	258.1	262.0	270.0	276.5	269.5	244.1	230.6	223.1
55°	206.1	240.6	248.1	246.1	250.6	257.1	258.5	254.1	222.1	208.6	201.6
57.5°	177.2	198.2	211.1	207.1	210.6	217.1	221.6	218.1	194.2	183.7	177.7
60°	146.7	160.7	163.7	157.2	154.2	165.7	176.2	171.7	151.2	144.7	137.8
62.5°	107.3	123.3	125.3	116.8	113.3	125.8	134.8	130.3	107.8	100.8	95.3
65°	85.9	100.8	104.8	96.8	94.8	104.3	109.8	98.8	82.9	75.4	69.4
67.5°	56.4	68.4	78.9	78.4	74.4	77.4	73.4	64.4	52.9	48.9	44.9
70°	34.9	41.9	48.4	50.9	50.4	49.4	43.9	37.4	33.9	32.4	30.4
72.5°	27.0	33.9	38.9	40.4	40.9	39.4	34.9	28.9	25.5	23.5	22.0
75°	20.0	25.5	29.4	31.4	32.4	31.4	27.0	23.0	19.5	18.0	16.5
77.5°	7.0	8.5	10.5	11.5	11.0	10.5	9.5	9.5	7.5	7.0	6.0
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°	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9	652.9
2.5°	590.5	599.5	615.9	630.9	646.9	663.3	681.3	699.8	708.3	707.3
5°	534.1	553.5	580.5	609.9	642.9	678.3	717.8	758.2	775.6	783.1
7.5°	498.6	526.1	561.5	599.0	642.4	692.8	752.2	815.6	841.0	849.5
10°	503.1	535.1	564.5	601.0	647.4	712.8	786.6	862.0	891.9	901.4
12.5°	539.6	546.5	554.5	584.5	642.9	727.7	818.1	907.9	942.4	951.8
15°	572.5	540.1	525.1	552.5	626.9	738.2	850.0	957.3	995.3	1006.2
17.5°	574.0	525.1	491.6	513.1	601.0	742.7	881.5	1007.7	1049.2	1059.7
20°	555.5	508.6	465.7	466.2	565.5	741.7	907.4	1053.2	1099.6	1109.1
22.5°	528.6	489.1	444.7	429.3	527.6	739.7	935.9	1101.6	1152.0	1161.0
25°	498.6	464.2	424.8	401.3	489.6	741.7	975.8	1165.0	1220.4	1228.9
27.5°	466.2	436.7	409.3	390.3	457.7	749.2	1023.7	1245.8	1311.7	1320.7
30°	432.2	410.3	399.3	387.8	437.7	751.2	1075.6	1340.2	1423.5	1436.0
32.5°	398.8	386.8	387.3	389.3	418.8	737.2	1123.0	1445.0	1556.3	1576.3
35°	367.9	364.4	374.3	384.3	391.3	701.3	1164.5	1568.8	1720.5	1741.0
37.5°	341.4	344.4	356.9	366.9	361.4	650.4	1219.4	1723.5	1904.2	1921.7
40°	315.9	323.4	337.9	342.4	338.4	591.0	1285.3	1872.7	2063.4	2087.4
42.5°	292.5	298.0	318.4	319.4	331.9	530.6	1348.7	2033.5	2246.6	2259.1
45°	273.5	272.5	293.5	300.0	340.4	463.7	1410.5	2247.6	2486.2	2504.1
47.5°	255.1	254.1	259.0	288.5	343.9	401.8	1471.9	2561.0	2833.6	2864.5
50°	237.6	239.1	223.6	283.0	324.9	354.4	1499.9	2851.0	3149.5	3162.5
52.5°	222.1	216.6	189.7	265.0	284.5	309.5	1420.5	2982.8	3345.2	3382.1
55°	200.2	169.7	156.2	215.1	224.6	270.0	1163.5	2906.4	3362.1	3427.5
57.5°	171.2	133.3	132.8	158.7	158.7	250.6	745.2	2483.2	2897.5	3012.3
60°	131.8	103.3	109.8	110.3	101.8	182.7	418.3	1798.9	2142.3	2256.6
62.5°	93.8	78.9	82.9	65.9	58.4	91.3	200.7	1035.7	1322.2	1338.2
65°	62.9	53.4	43.4	36.4	35.9	38.9	82.9	374.3	455.2	513.6
67.5°	41.4	32.4	23.0	23.0	26.0	26.0	31.4	61.9	86.8	79.4
70°	27.0	22.5	14.5	14.0	17.0	17.0	16.0	17.0	18.0	18.0
72.5°	20.0	17.0	8.5	7.5	9.5	10.0	9.0	8.5	8.5	8.5
75°	15.0	12.0	5.0	3.5	4.5	6.0	5.0	3.5	3.5	3.0
77.5°	6.0	4.5	2.0	1.5	2.5	3.5	3.0	1.5	1.0	1.0
80°	0.5	1.0	1.0	1.0	1.5	2.0	2.5	1.0	0.5	0.5
82.5°	0.0	0.5	0.5	0.5	1.0	1.5	2.0	1.0	0.5	0.5
85°	0.0	0.0	0.0	0.0	1.0	1.5	1.0	0.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.5	1.0	0.5	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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