

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: P629352

Luminaire Tested: GWS-SA1B-740-U-SLL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-39)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-SLL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2789.7 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

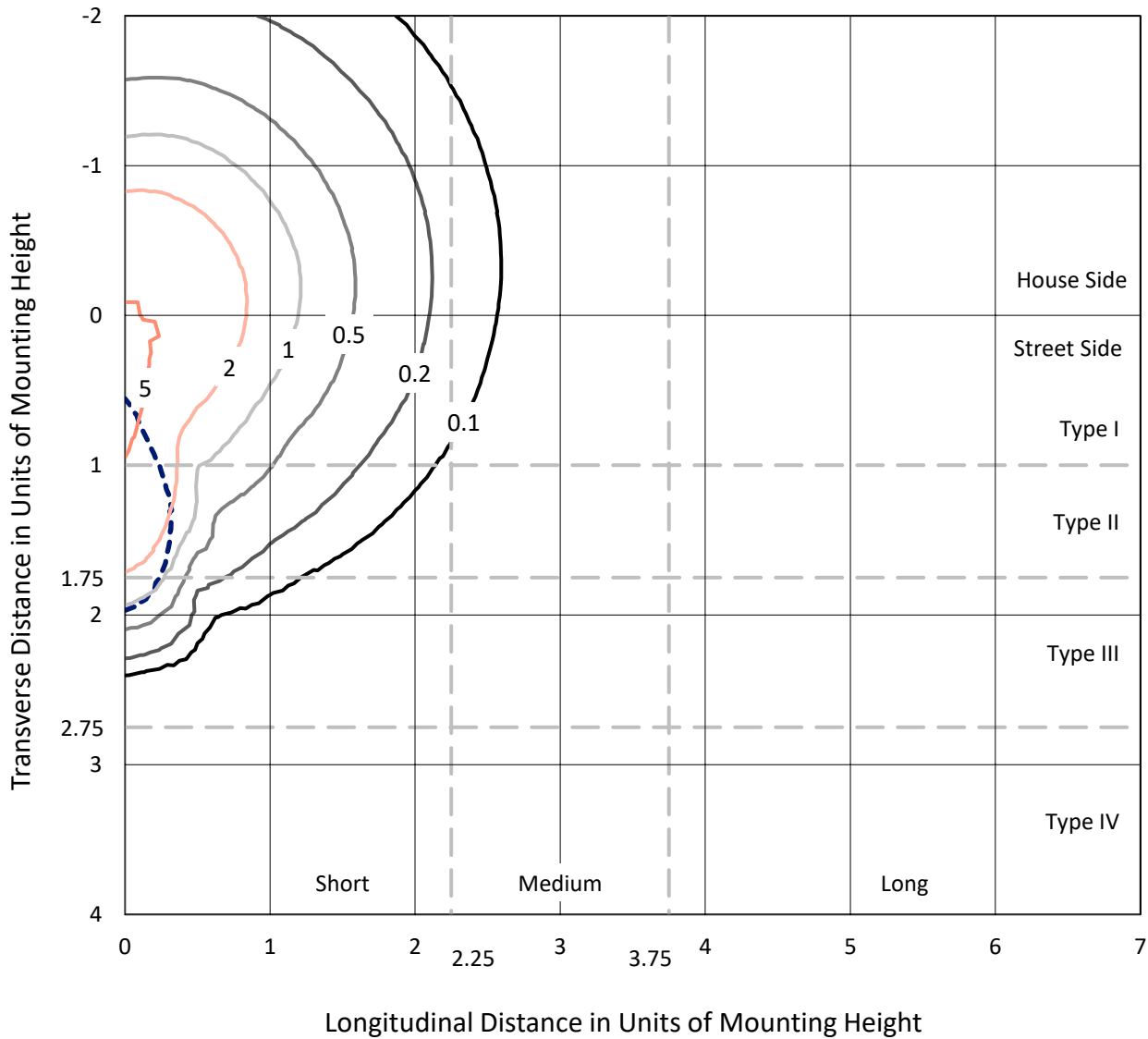
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

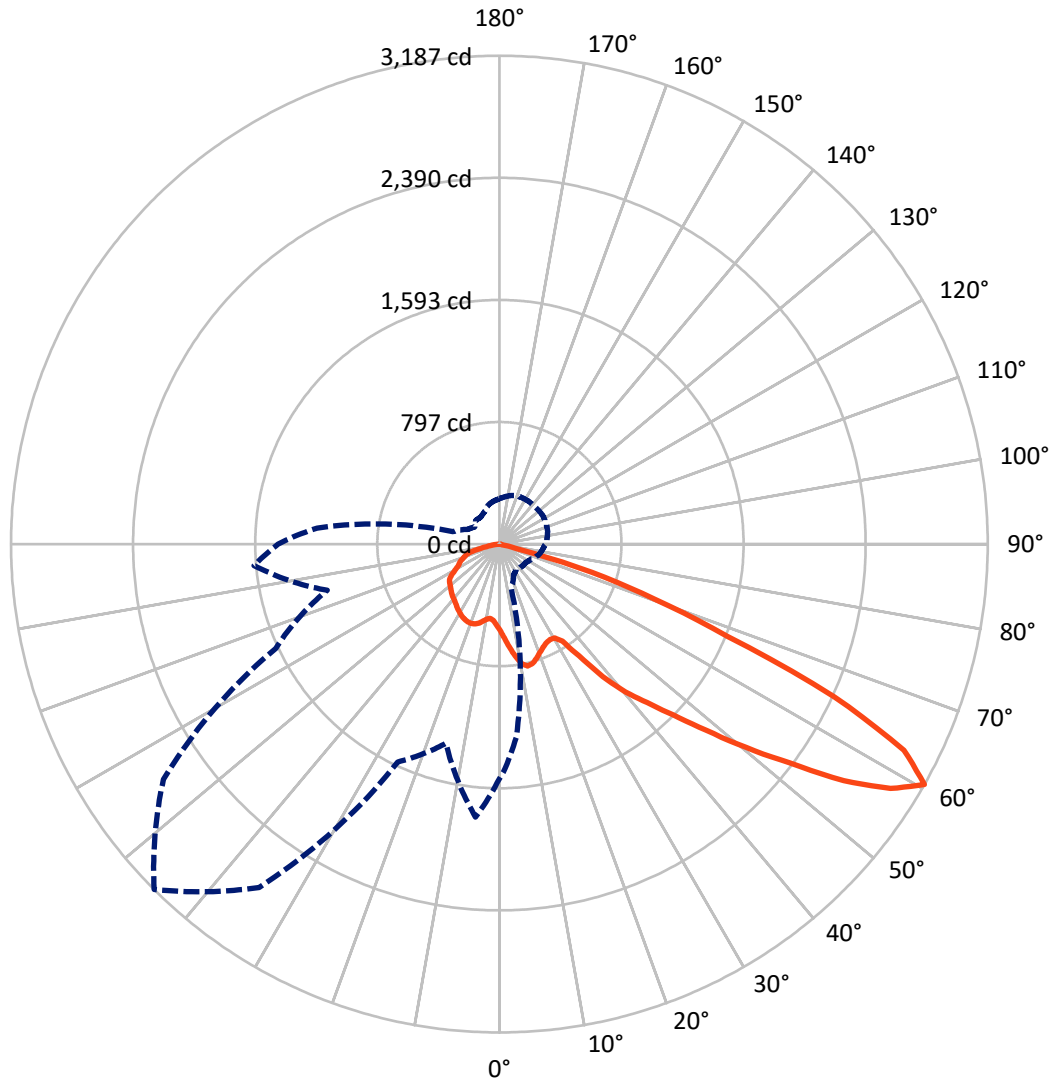
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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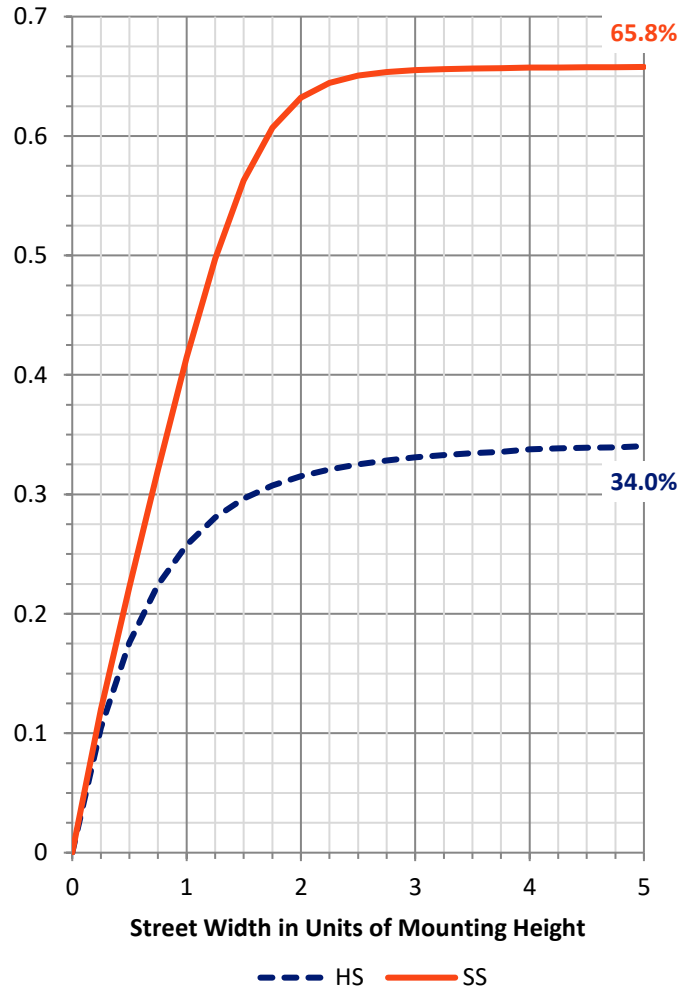
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	954.3	0.0	954.3
	% Fixture	34.2	0.0	34.2
Street Side	Lumens	1835.4	0.0	1835.4
	% Fixture	65.8	0.0	65.8
Total	Lumens	2789.7	0.0	2789.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.0	2.0
10°-20°	176.3	6.3
20°-30°	287.2	10.3
30°-40°	403.4	14.5
40°-50°	552.0	19.8
50°-60°	708.2	25.4
60°-70°	476.9	17.1
70°-80°	119.2	4.3
80°-90°	11.6	0.4
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°	2789.7	100.0
0°-180°	2789.7	100.0

Coefficient of Utilization



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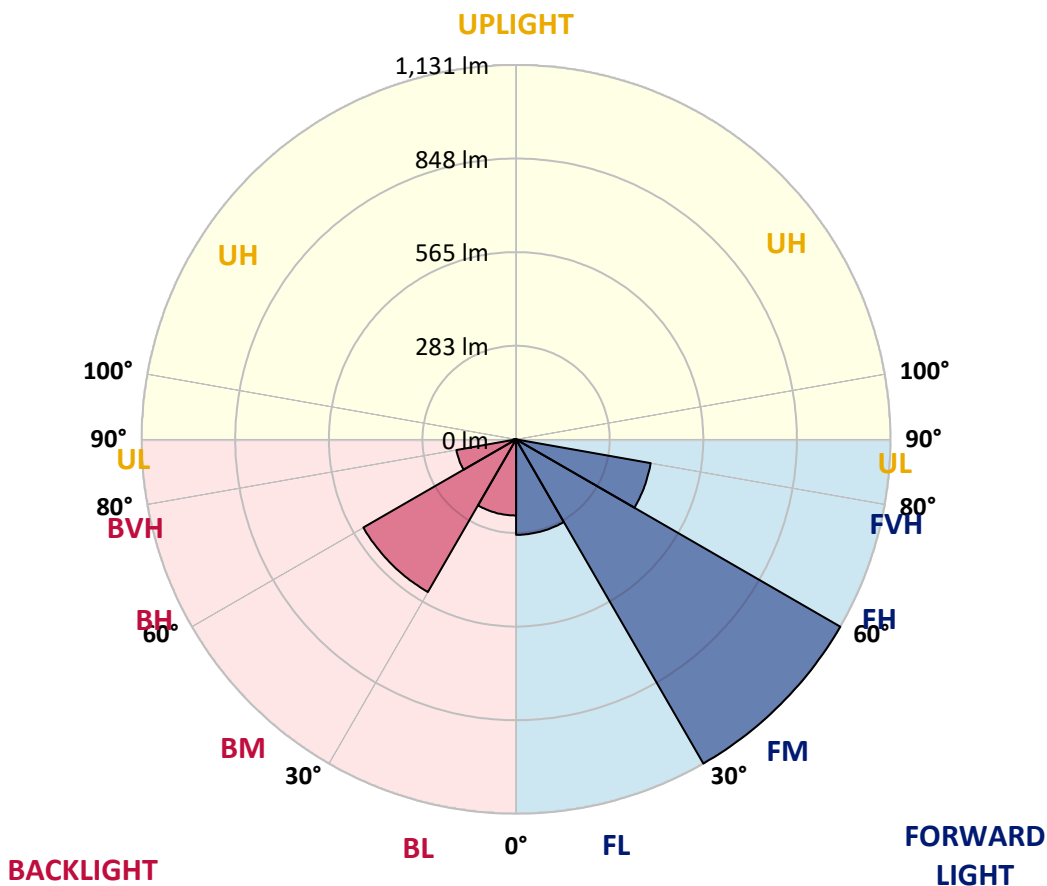
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.4	10.3			
FM (30°-60°)	1131.0	40.5			
FH (60°-80°)	413.0	14.8			G0/660
FVH (80°-90°)	3.0	0.1			G0/10
BL (0°-30°)	230.1	8.2	B1/500		
BM (30°-60°)	532.6	19.1	B1/1000		
BH (60°-80°)	183.1	6.6	B1/500		G1/500
BVH (80°-90°)	8.6	0.3			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°	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7
2.5°	595.3	594.0	592.7	582.7	580.1	572.9	567.8	561.4	552.1	547.0	542.6
5°	632.5	630.5	623.5	603.0	589.6	575.0	562.9	549.5	535.4	526.2	519.0
7.5°	667.7	667.2	655.4	621.5	599.9	578.8	562.4	542.9	522.6	508.7	499.5
10°	700.4	696.5	682.4	638.2	609.9	585.8	568.0	546.5	522.8	504.1	491.7
12.5°	729.1	724.3	704.7	653.6	618.7	588.9	569.6	551.9	536.2	520.5	506.4
15°	752.8	746.9	727.1	668.0	626.4	587.1	560.1	546.2	551.6	558.5	542.9
17.5°	774.9	768.7	744.6	678.5	628.7	576.0	536.7	530.8	558.0	589.6	582.4
20°	793.4	786.4	758.4	683.7	624.6	554.9	506.4	516.7	552.6	590.4	602.0
22.5°	813.4	807.8	774.1	691.1	619.4	525.9	481.0	506.1	543.4	576.5	594.0
25°	845.5	838.6	798.5	704.2	616.9	498.7	462.7	495.9	530.5	560.6	574.2
27.5°	892.0	879.2	831.9	727.1	619.7	473.0	451.1	483.3	515.6	541.3	552.4
30°	942.6	927.2	868.9	750.7	623.8	457.3	445.0	468.9	492.8	518.5	530.5
32.5°	1002.5	988.9	908.5	768.4	615.1	450.1	440.4	453.2	472.2	492.8	502.8
35°	1073.9	1049.5	951.6	782.8	586.8	439.6	436.2	436.0	446.0	466.1	477.4
37.5°	1150.7	1124.5	1004.8	798.2	542.9	422.9	426.5	415.7	424.9	440.9	453.7
40°	1213.7	1186.2	1058.5	819.3	487.9	396.7	404.9	393.3	399.0	415.4	429.8
42.5°	1275.3	1246.1	1108.6	843.2	434.7	371.0	375.1	370.7	372.5	389.7	409.8
45°	1356.3	1323.4	1170.3	860.2	386.9	350.7	346.8	339.4	348.9	371.2	392.6
47.5°	1491.4	1452.1	1271.2	871.2	352.2	339.1	321.4	317.0	328.9	353.8	375.9
50°	1649.4	1615.5	1432.6	870.7	326.3	329.4	296.7	292.9	312.4	337.6	361.0
52.5°	1778.9	1744.5	1570.5	845.0	305.0	308.6	282.4	271.6	298.3	321.7	345.0
55°	1883.5	1844.7	1634.0	737.6	278.0	275.4	266.7	246.9	280.6	305.7	327.6
57.5°	1827.2	1781.0	1557.2	560.9	250.2	234.1	239.7	225.1	256.4	288.0	309.1
60°	1532.0	1490.4	1265.1	298.5	220.2	195.5	207.3	209.6	229.9	266.7	288.3
62.5°	1052.3	1022.0	857.3	181.1	173.7	157.0	175.5	192.2	207.3	238.4	257.2
65°	514.9	505.9	428.8	116.1	121.5	126.9	145.4	165.7	188.1	215.3	235.1
67.5°	141.8	142.8	130.0	90.7	95.8	110.7	125.4	141.6	163.9	189.1	209.1
70°	62.4	63.5	65.5	69.9	79.6	93.3	108.4	125.1	145.7	166.7	186.0
72.5°	43.4	44.4	47.5	53.2	61.9	74.8	89.2	105.1	126.4	144.1	160.1
75°	26.7	27.5	30.3	35.2	41.1	50.9	65.0	79.6	98.4	114.6	128.7
77.5°	14.1	13.6	15.4	18.8	23.9	29.0	38.5	47.8	61.1	74.2	86.1
80°	7.7	7.5	8.5	10.3	11.8	15.9	22.4	28.5	36.2	43.7	50.1
82.5°	3.3	3.1	3.3	4.4	5.4	7.7	11.3	15.7	20.0	25.2	29.3
85°	0.0	0.0	0.0	0.3	1.3	2.1	3.9	5.7	8.2	11.3	13.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	2.3
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°	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7
2.5°	540.0	533.6	533.1	528.0	528.5	528.7	523.6	521.5	523.3	525.4	524.4
5°	516.4	509.7	506.9	502.0	501.5	499.2	497.1	494.6	496.4	498.2	499.2
7.5°	495.9	491.5	489.7	488.4	488.9	487.9	483.8	481.5	481.2	482.0	483.0
10°	489.2	485.6	487.9	491.5	494.1	495.9	491.5	487.6	484.0	482.5	482.5
12.5°	503.6	498.9	503.6	507.4	512.6	513.8	509.0	504.8	503.6	505.1	508.2
15°	535.4	524.6	524.4	526.7	530.8	532.9	528.2	526.2	526.2	535.9	543.6
17.5°	567.3	549.5	542.1	540.8	543.4	544.2	540.3	538.5	543.1	562.1	576.5
20°	589.6	568.0	551.9	548.8	549.5	549.8	546.7	545.4	552.1	575.2	587.3
22.5°	587.3	571.4	551.6	547.8	549.0	548.5	545.7	545.2	550.6	570.6	576.3
25°	571.4	559.1	542.4	539.8	541.8	541.6	538.8	537.5	539.8	553.1	553.7
27.5°	553.1	542.4	528.0	527.2	530.5	532.3	527.5	523.6	522.8	531.8	529.8
30°	531.3	523.3	511.8	512.3	518.5	519.5	513.6	507.9	506.4	511.3	508.4
32.5°	505.4	502.8	496.6	497.9	503.8	505.9	499.7	493.8	492.0	493.5	487.6
35°	483.3	482.2	482.8	485.1	490.2	491.7	486.6	482.0	479.4	474.0	466.3
37.5°	460.4	463.2	470.7	475.0	477.9	477.4	474.5	471.2	467.1	457.1	447.6
40°	439.1	446.3	459.6	464.5	465.5	465.8	463.7	460.9	455.8	442.4	431.6
42.5°	422.6	430.6	448.3	455.8	456.3	456.8	454.7	452.4	445.2	427.5	417.0
45°	405.4	416.0	436.8	445.8	445.2	445.0	443.2	442.2	433.7	413.1	401.6
47.5°	390.8	403.1	425.5	433.2	432.9	432.7	431.4	431.4	422.9	400.5	387.4
50°	376.4	390.5	413.9	420.3	420.8	420.3	419.8	420.6	410.6	386.7	373.8
52.5°	360.7	376.6	401.1	407.0	410.0	411.3	411.3	409.5	397.7	372.8	358.7
55°	343.5	358.7	386.9	394.9	397.5	399.8	399.8	396.2	385.1	359.9	344.8
57.5°	322.2	335.5	357.9	365.9	372.0	373.6	373.6	367.7	358.7	334.5	322.2
60°	299.1	310.6	325.8	334.3	338.9	335.8	338.1	336.6	329.4	307.0	296.7
62.5°	268.2	280.0	296.7	305.5	307.5	304.4	307.5	307.3	297.5	277.5	265.1
65°	246.1	257.7	274.1	285.4	288.8	288.0	290.1	287.0	274.9	255.9	244.1
67.5°	219.9	232.3	251.3	263.9	270.8	271.6	274.4	268.0	255.6	234.8	219.9
70°	195.0	205.5	220.2	232.0	241.8	246.6	247.2	237.9	222.5	205.3	194.5
72.5°	168.8	179.6	197.3	210.2	222.5	228.1	228.1	216.8	200.1	181.1	169.6
75°	136.9	147.0	163.1	177.0	191.1	198.3	198.1	188.3	169.8	151.8	139.8
77.5°	92.7	100.2	110.5	121.0	123.1	128.7	131.5	119.2	108.9	99.2	88.4
80°	54.0	58.6	64.2	70.1	71.4	73.2	68.6	64.0	58.6	52.2	47.3
82.5°	31.6	34.7	37.5	42.1	42.9	43.4	39.3	37.3	32.9	29.0	25.9
85°	15.4	16.4	19.0	21.3	20.3	19.8	18.0	15.9	14.1	12.6	11.0
87.5°	3.1	3.1	4.6	4.4	3.6	3.1	1.8	2.3	0.5	0.5	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°	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7
2.5°	527.7	532.1	537.5	544.7	552.9	561.6	570.1	576.5	582.9	592.5	590.9
5°	500.7	508.2	516.7	527.7	541.1	556.2	573.2	590.1	608.4	623.8	630.5
7.5°	485.1	493.3	503.3	517.7	534.9	553.4	577.3	604.8	634.3	654.6	667.2
10°	485.1	495.6	508.7	522.6	537.7	556.7	586.3	620.7	658.7	685.5	700.1
12.5°	513.1	523.6	526.4	525.9	534.4	555.5	593.5	637.4	682.9	711.2	729.1
15°	556.7	560.3	539.0	519.5	520.8	546.2	596.8	650.8	703.7	737.6	757.1
17.5°	586.0	576.5	538.5	504.3	497.1	530.5	596.8	663.6	725.8	764.1	782.3
20°	588.3	564.7	525.4	489.7	471.2	509.7	592.7	673.4	747.1	789.5	809.0
22.5°	568.0	544.7	511.5	477.1	449.9	484.5	586.0	680.8	765.4	813.4	837.6
25°	544.9	525.4	497.4	464.3	435.2	459.1	579.9	693.4	790.8	845.8	870.2
27.5°	522.3	505.9	480.4	453.5	427.0	437.0	576.0	711.9	821.1	891.8	912.8
30°	500.2	485.3	462.2	443.2	422.6	422.6	572.7	733.2	861.2	943.4	964.5
32.5°	477.9	463.7	445.0	433.2	420.1	417.0	563.4	753.3	902.6	999.9	1021.5
35°	457.1	442.9	428.5	423.7	418.8	412.6	540.6	769.0	942.9	1066.0	1084.5
37.5°	437.5	423.9	413.1	411.8	412.4	400.8	504.6	782.1	993.2	1133.5	1143.3
40°	420.6	405.4	396.9	396.7	399.3	381.8	459.1	800.8	1050.8	1190.8	1186.7
42.5°	405.4	389.5	379.2	381.5	380.0	362.8	414.7	818.0	1100.9	1244.5	1236.3
45°	390.5	375.1	360.7	364.1	362.3	351.0	376.9	830.6	1156.4	1309.0	1310.0
47.5°	376.1	361.0	346.6	342.5	342.2	347.4	347.9	834.7	1246.8	1412.8	1389.4
50°	362.8	347.6	332.7	318.8	324.2	340.2	326.3	831.6	1382.2	1527.4	1462.1
52.5°	348.9	334.5	318.1	293.1	307.3	322.9	307.0	820.6	1465.0	1628.6	1589.6
55°	333.0	319.4	297.0	266.7	283.9	287.2	287.2	713.7	1500.2	1728.8	1753.0
57.5°	311.6	293.7	258.2	233.8	249.2	236.4	266.2	499.5	1442.1	1697.2	1791.0
60°	287.5	268.2	230.7	213.2	217.9	195.3	226.9	313.2	1195.2	1444.1	1606.5
62.5°	255.6	237.9	206.8	193.2	183.7	159.3	182.7	198.1	819.3	1072.4	1183.1
65°	234.3	214.8	187.0	169.1	149.5	128.2	121.3	130.0	440.6	600.2	674.9
67.5°	209.1	189.9	163.7	141.0	125.4	110.0	97.9	94.8	151.1	199.9	216.3
70°	185.2	166.7	144.9	123.8	108.2	93.0	81.2	72.7	69.9	69.4	68.3
72.5°	160.8	143.6	125.4	105.9	88.6	74.8	64.2	54.5	50.4	49.1	47.8
75°	131.8	118.2	99.9	78.9	65.0	52.2	43.9	37.5	33.9	32.6	31.1
77.5°	84.8	78.6	62.7	50.9	39.3	31.1	26.7	22.6	20.3	19.8	18.5
80°	45.2	42.1	34.7	29.3	23.4	19.0	16.7	14.4	13.1	12.6	12.1
82.5°	25.2	22.9	19.3	17.0	13.6	11.6	10.3	9.2	8.5	8.2	8.0
85°	11.3	9.8	7.7	7.2	6.4	5.9	5.7	5.1	4.9	4.6	4.4
87.5°	0.5	1.0	1.3	1.0	1.0	1.5	1.8	1.8	1.5	1.5	1.3
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°	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7	562.7
2.5°	600.4	608.1	608.9	611.5	608.1	607.4	602.0	598.9	596.1	595.3
5°	647.2	662.6	668.8	673.1	669.0	667.0	655.1	642.8	635.9	632.5
7.5°	695.2	718.3	730.4	735.8	736.3	727.1	706.8	683.7	672.1	667.7
10°	738.1	766.6	782.6	792.9	789.3	778.0	750.2	718.9	704.2	700.4
12.5°	770.0	797.2	809.6	816.2	816.0	809.8	783.6	749.7	733.0	729.1
15°	790.5	806.7	807.5	809.0	813.4	821.6	808.0	776.7	758.2	752.8
17.5°	806.7	800.3	788.2	784.1	793.9	816.7	825.0	799.5	779.5	774.9
20°	817.0	784.6	763.3	755.3	766.6	803.9	835.2	820.1	799.3	793.4
22.5°	825.0	770.0	735.6	730.2	742.0	790.0	845.8	844.5	821.6	813.4
25°	837.6	760.2	716.0	712.2	723.2	783.3	859.9	877.6	857.3	845.5
27.5°	857.3	759.2	706.0	704.7	719.9	789.3	880.2	926.2	900.8	892.0
30°	884.8	769.0	708.3	710.9	729.4	810.6	911.8	981.7	956.3	942.6
32.5°	924.4	795.2	743.5	754.6	768.2	844.8	958.1	1041.8	1022.5	1002.5
35°	976.5	867.1	847.6	894.6	881.7	919.5	1013.8	1114.8	1091.4	1073.9
37.5°	1046.2	1014.6	1032.6	1097.3	1066.2	1060.8	1081.9	1181.1	1168.2	1150.7
40°	1143.8	1150.2	1183.4	1268.4	1223.4	1188.8	1165.4	1230.9	1235.3	1213.7
42.5°	1208.5	1238.1	1318.0	1414.6	1352.7	1269.7	1235.3	1294.6	1294.9	1275.3
45°	1232.7	1310.0	1477.0	1588.3	1484.7	1315.9	1273.8	1381.2	1378.6	1356.3
47.5°	1224.0	1370.7	1642.2	1812.3	1654.3	1348.8	1268.4	1504.5	1525.3	1491.4
50°	1205.7	1431.6	1835.2	2086.7	1862.4	1383.8	1260.2	1641.2	1675.6	1649.4
52.5°	1224.2	1499.4	2063.3	2370.3	2123.4	1439.5	1315.7	1816.7	1810.5	1778.9
55°	1282.8	1579.5	2340.5	2726.7	2410.2	1533.8	1458.3	1983.9	1921.2	1883.5
57.5°	1280.0	1636.8	2583.6	3008.5	2659.6	1611.1	1507.9	2001.7	1875.0	1827.2
60°	1161.8	1610.6	2676.1	3186.8	2734.9	1568.5	1344.7	1787.9	1582.1	1532.0
62.5°	867.1	1429.2	2496.7	2963.6	2521.9	1354.7	1011.2	1283.3	1136.9	1052.3
65°	554.7	1118.1	2099.0	2400.9	2078.7	1036.2	602.2	688.0	539.0	514.9
67.5°	236.1	789.3	1631.7	1604.7	1555.1	671.3	232.5	193.7	144.4	141.8
70°	78.1	537.0	1005.8	1070.3	928.8	462.5	76.8	65.0	64.7	62.4
72.5°	51.1	288.3	566.2	630.5	597.6	266.2	46.5	43.4	44.4	43.4
75°	30.6	62.7	95.3	123.8	95.3	44.7	28.0	27.5	28.0	26.7
77.5°	18.0	17.5	17.0	17.0	16.7	15.4	14.1	13.6	13.9	14.1
80°	11.6	11.0	10.5	10.3	9.0	8.5	8.0	7.5	7.5	7.7
82.5°	7.5	6.9	6.4	5.7	4.6	3.9	3.6	3.1	3.1	3.3
85°	3.9	3.1	2.3	1.8	1.0	0.5	0.0	0.0	0.0	0.0
87.5°	0.8	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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