

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: P630838

Luminaire Tested: GWS-SA1E-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630838
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-SA1E-740-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4042.6 lumens
Efficiency: N/A
Efficacy: 69.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

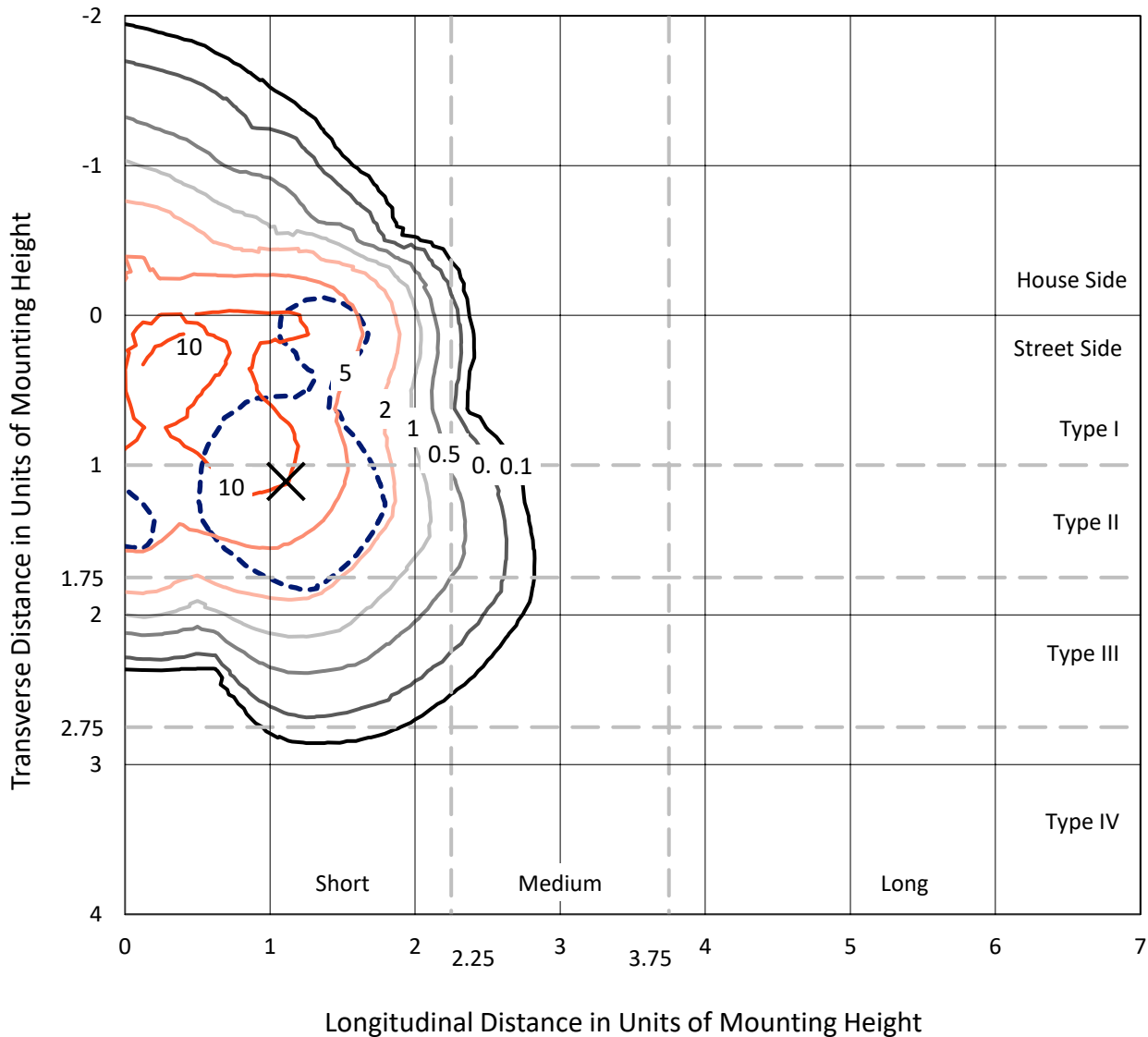
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

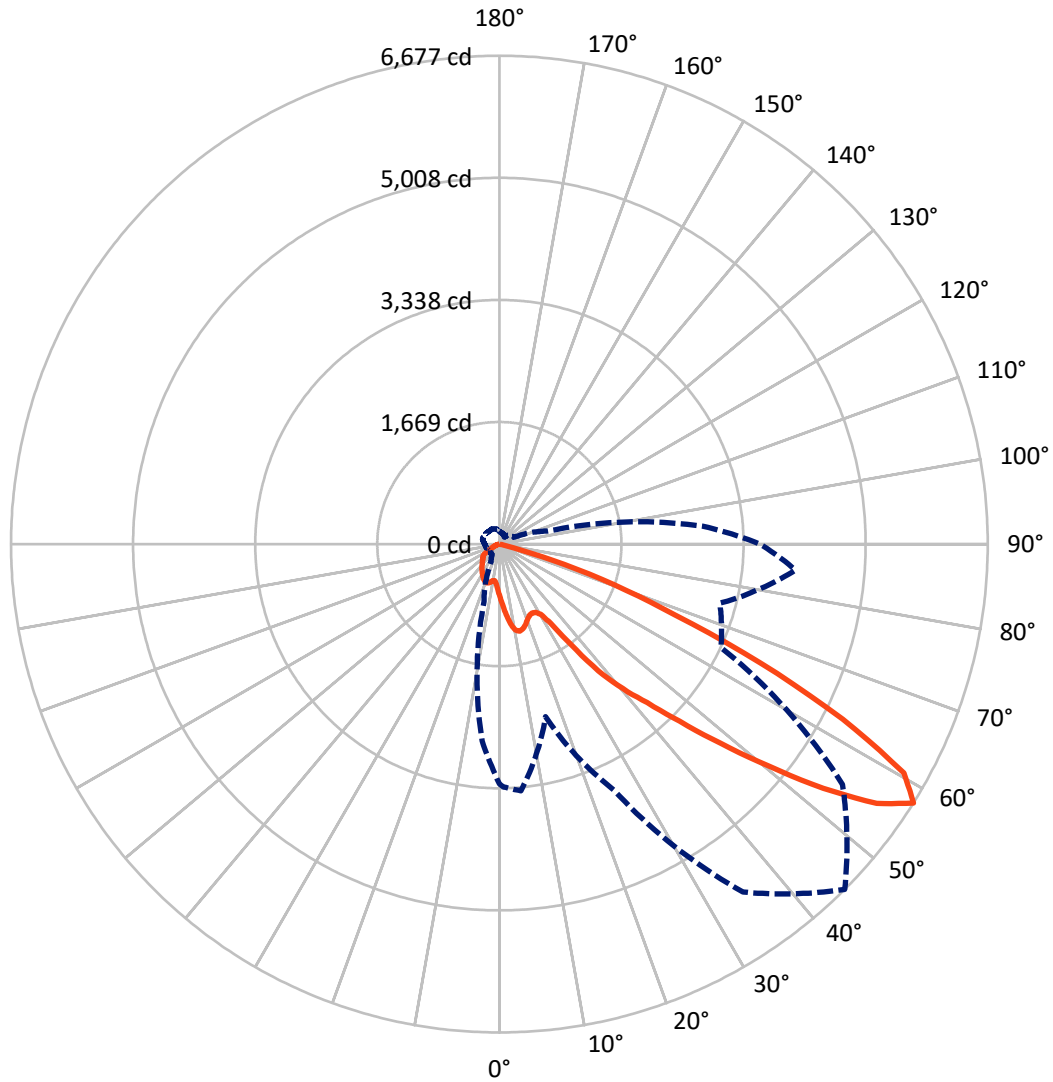
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.7 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	905.2	0.0	905.2
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	3137.3	0.0	3137.3
	% Fixture	77.6	0.0	77.6
Total	Lumens	4042.6	0.0	4042.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.9	1.7
10°-20°	226.1	5.6
20°-30°	367.3	9.1
30°-40°	567.6	14.0
40°-50°	910.1	22.5
50°-60°	1243.8	30.8
60°-70°	602.4	14.9
70°-80°	55.2	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°	4042.6	100.0
0°-180°	4042.6	100.0

Coefficient of Utilization



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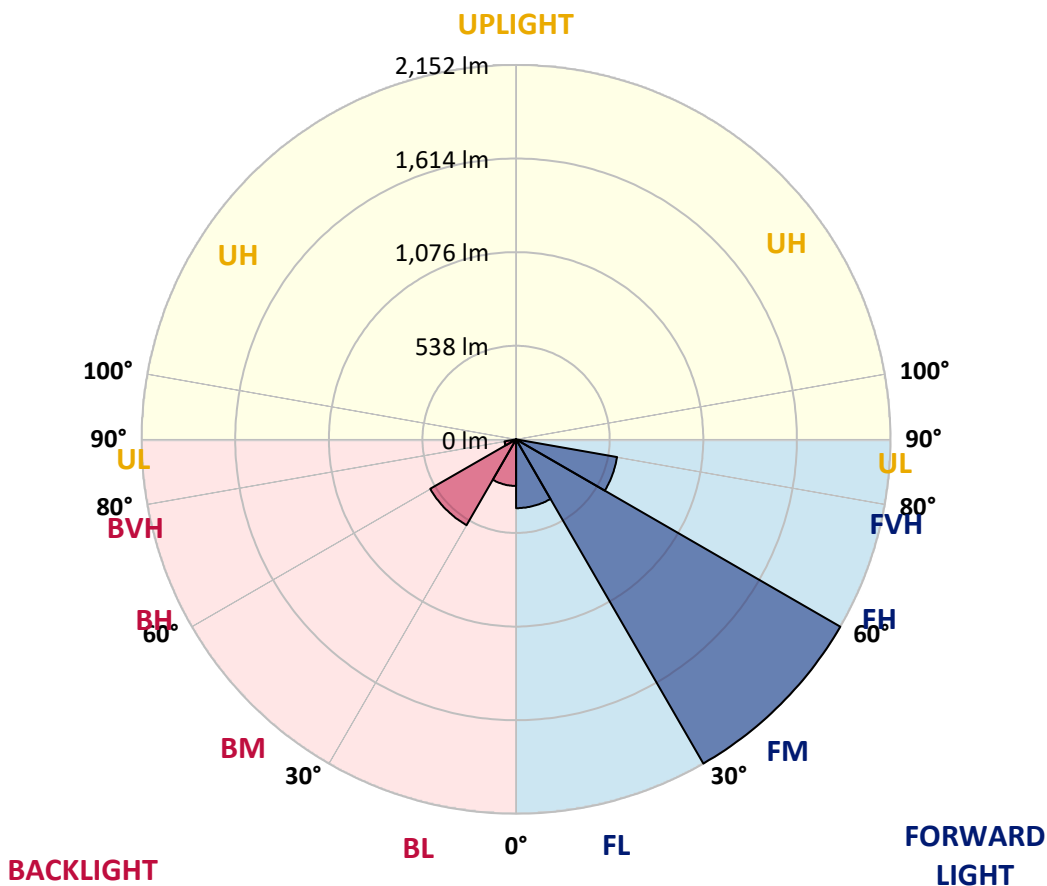
CATALOG NUMBER: GWS-SA1E-740-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.5	9.8			
FM (30°-60°)	2152.0	53.2			
FH (60°-80°)	589.7	14.6			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	267.9	6.6	B1/500		
BM (30°-60°)	569.5	14.1	B1/1000		
BH (60°-80°)	67.8	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-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5
2.5°	769.7	774.6	782.8	800.2	814.8	824.6	829.0	827.9	821.9	817.5	808.9
5°	852.3	852.3	868.1	907.7	938.1	957.2	966.9	961.0	949.0	930.0	900.7
7.5°	924.6	927.3	953.9	1010.4	1056.6	1083.7	1099.5	1096.2	1075.0	1038.6	980.0
10°	981.1	984.3	1019.6	1088.6	1142.9	1170.6	1194.0	1196.2	1172.8	1124.5	1057.1
12.5°	1035.9	1039.2	1076.1	1142.4	1190.2	1201.6	1222.2	1230.4	1224.4	1190.2	1120.1
15°	1095.1	1102.7	1134.2	1183.7	1203.8	1190.2	1203.8	1218.4	1238.5	1235.3	1172.3
17.5°	1153.3	1158.7	1190.7	1208.1	1185.8	1150.5	1157.1	1174.4	1220.1	1264.6	1223.9
20°	1207.0	1214.6	1241.3	1218.4	1151.1	1096.2	1096.8	1119.6	1189.1	1282.5	1276.6
22.5°	1263.5	1274.9	1293.9	1229.8	1119.0	1053.3	1056.0	1076.7	1164.7	1299.4	1336.3
25°	1337.4	1348.3	1360.8	1258.1	1108.7	1032.1	1042.4	1061.4	1164.7	1328.2	1410.2
27.5°	1437.4	1445.0	1445.5	1310.8	1126.6	1035.4	1057.1	1078.8	1199.4	1385.8	1509.1
30°	1562.8	1574.8	1559.0	1392.8	1182.6	1078.8	1110.9	1138.0	1274.4	1483.0	1654.6
32.5°	1715.5	1732.3	1711.1	1514.5	1299.4	1228.8	1286.9	1302.6	1393.9	1623.7	1819.8
35°	1894.7	1908.9	1886.1	1682.9	1572.1	1585.1	1690.5	1670.4	1634.0	1797.0	2012.6
37.5°	2091.4	2104.4	2060.4	1938.2	1975.1	2031.6	2200.0	2131.0	2013.7	2020.2	2221.8
40°	2271.7	2285.9	2216.9	2215.8	2291.8	2395.1	2598.2	2503.2	2343.4	2312.5	2417.9
42.5°	2458.6	2468.4	2405.9	2363.5	2536.3	2748.7	2963.8	2835.6	2561.8	2528.1	2663.4
45°	2725.3	2746.0	2634.6	2436.3	2756.3	3155.6	3455.4	3205.0	2710.7	2683.5	3039.3
47.5°	3117.5	3132.7	2905.7	2482.0	2961.1	3662.4	4069.8	3684.1	2841.6	2779.7	3553.2
50°	3441.8	3452.2	3155.0	2531.9	3178.9	4208.9	4770.0	4252.3	2988.8	2938.8	4032.9
52.5°	3680.9	3720.0	3482.6	2634.6	3465.2	4851.5	5545.2	4925.4	3218.6	3246.3	4430.5
55°	3730.3	3783.5	3706.4	2697.6	3717.2	5506.1	6261.1	5527.8	3447.8	3479.3	4564.1
57.5°	3278.3	3320.7	3384.8	2443.4	3711.3	5805.9	6676.7	5727.7	3343.5	3120.2	4063.8
60°	2455.9	2485.2	2601.5	1867.6	3413.0	5540.8	6352.9	5387.6	2923.6	2380.9	3096.3
62.5°	1456.4	1469.4	1616.6	1209.7	2832.9	4771.6	5268.7	4648.9	2310.3	1601.4	1896.4
65°	559.0	553.5	666.0	597.0	2083.2	3800.9	3918.8	3544.0	1585.1	733.9	723.0
67.5°	86.4	82.6	111.4	176.5	1502.5	2634.1	2585.7	2554.2	993.0	171.1	149.4
70°	19.6	19.6	23.9	52.1	918.0	1547.6	1656.3	1579.1	635.6	36.4	19.6
72.5°	9.2	9.2	11.4	22.3	332.4	637.7	743.1	731.7	206.4	12.0	7.1
75°	3.3	3.8	3.8	4.9	20.1	33.1	76.1	54.3	13.0	0.0	0.0
77.5°	1.1	1.1	1.1	1.1	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°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5
2.5°	789.8	786.0	771.9	752.9	734.4	718.1	701.3	681.2	666.5	649.7	644.3
5°	877.8	853.9	815.4	775.2	738.2	706.7	676.3	643.7	619.8	595.9	587.8
7.5°	952.3	917.0	854.5	794.2	743.7	699.1	655.1	610.6	575.8	547.6	538.9
10°	1019.1	978.3	894.7	820.3	756.7	705.1	651.9	595.9	550.8	517.1	509.0
12.5°	1076.7	1029.4	928.9	839.8	762.1	702.9	651.3	606.8	566.0	527.5	517.1
15°	1125.0	1072.9	957.7	852.9	754.0	675.8	630.7	623.6	620.4	578.0	557.9
17.5°	1172.3	1113.6	981.1	858.8	731.2	628.0	595.4	627.4	661.6	633.9	608.4
20°	1221.7	1154.9	1005.0	859.9	693.1	574.2	568.8	619.3	662.7	654.0	630.1
22.5°	1279.8	1206.5	1034.8	859.4	645.3	528.6	549.2	603.5	638.8	638.3	619.3
25°	1364.0	1271.7	1075.0	862.6	593.2	493.2	527.5	576.9	605.7	604.6	588.8
27.5°	1454.2	1349.4	1127.2	870.8	548.7	472.6	501.9	540.5	565.5	564.4	550.8
30°	1580.8	1439.0	1177.2	871.3	516.6	461.7	473.7	500.3	524.2	521.5	511.2
32.5°	1734.5	1540.0	1219.0	840.4	496.5	451.4	444.4	457.9	476.4	472.6	469.9
35°	1920.3	1660.1	1254.8	772.5	465.5	430.8	411.8	414.5	427.5	429.7	428.6
37.5°	2132.1	1802.9	1299.4	682.8	423.7	400.9	375.4	373.2	380.8	387.9	393.3
40°	2341.3	1963.7	1359.7	592.1	385.7	362.9	338.4	333.0	336.3	348.7	360.2
42.5°	2576.5	2150.1	1424.9	514.4	359.6	321.0	297.7	287.4	296.6	316.7	330.3
45°	2915.5	2411.3	1488.4	452.5	348.7	284.1	252.6	251.5	261.8	287.9	303.1
47.5°	3391.3	2749.2	1530.2	404.2	348.2	255.3	217.8	224.3	236.3	261.8	279.2
50°	3855.2	3172.4	1484.1	367.2	336.8	236.3	191.8	204.8	216.7	239.0	256.9
52.5°	4135.0	3400.0	1304.3	332.4	301.5	227.6	166.2	189.0	191.2	211.3	230.3
55°	4105.6	3252.8	999.0	278.7	249.3	215.1	139.6	170.6	171.7	186.9	203.2
57.5°	3563.5	2792.7	686.1	226.0	187.4	177.6	115.2	144.0	154.3	163.5	175.5
60°	2655.8	2037.6	305.8	183.6	119.0	120.1	98.3	108.6	124.4	135.3	145.6
62.5°	1565.0	1172.3	124.4	110.3	65.7	75.5	79.3	79.3	89.1	97.2	103.8
65°	591.6	410.1	50.5	55.4	34.2	35.3	46.7	57.6	65.2	72.2	80.9
67.5°	103.8	71.7	26.1	20.6	20.1	17.9	23.9	37.5	41.8	47.3	51.1
70°	17.4	14.7	10.9	10.3	9.2	9.8	15.8	26.6	29.3	31.0	32.6
72.5°	4.9	4.3	3.3	2.7	2.2	2.7	9.8	20.6	21.7	22.8	24.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	14.7	15.8	16.3	17.9
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	4.3	5.4	4.3
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°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5
2.5°	641.0	630.1	624.2	620.9	620.9	616.6	611.7	610.0	617.1	617.1	629.0
5°	577.4	568.8	559.0	553.0	543.8	545.4	540.0	539.4	546.5	549.7	562.2
7.5°	533.4	522.6	516.6	512.8	507.9	505.7	500.8	499.2	503.0	508.5	520.4
10°	504.1	502.5	501.9	504.7	504.7	501.9	497.6	494.9	496.0	506.3	519.9
12.5°	511.7	515.0	516.1	520.4	522.6	520.4	517.1	518.2	525.3	544.3	564.4
15°	544.8	542.1	541.0	543.2	544.8	542.7	541.6	549.7	574.2	601.3	624.2
17.5°	580.2	562.8	555.2	555.2	556.3	555.2	556.3	572.0	611.7	638.8	655.7
20°	598.1	566.0	554.1	551.4	553.5	554.1	557.9	575.8	619.3	638.3	642.1
22.5°	592.7	552.5	538.9	536.7	538.9	541.0	544.8	560.1	600.8	610.6	608.9
25°	565.5	525.8	515.0	515.0	519.9	519.3	520.9	531.8	565.5	571.5	568.8
27.5°	531.3	493.8	484.6	490.0	494.3	493.2	493.8	503.0	528.0	529.6	526.9
30°	496.5	463.9	455.2	461.7	467.7	466.6	467.2	476.4	492.2	490.5	486.7
32.5°	461.2	437.3	430.8	434.6	443.8	442.7	444.9	454.7	460.6	453.6	449.2
35°	428.6	416.1	411.2	413.4	420.5	422.1	425.9	432.4	432.4	423.7	416.1
37.5°	398.2	396.5	393.3	390.6	397.1	402.0	407.4	415.0	404.2	391.7	384.6
40°	369.9	377.0	372.6	365.6	369.4	376.5	387.3	393.3	380.3	367.8	355.8
42.5°	343.9	355.8	354.2	345.5	348.7	355.3	367.8	372.6	357.4	343.3	331.9
45°	318.9	335.7	336.8	325.9	329.2	335.7	350.4	352.0	332.4	317.2	309.1
47.5°	297.1	315.6	316.2	308.0	309.1	318.3	331.9	332.4	310.2	296.1	285.7
50°	276.5	297.7	299.3	292.3	293.3	304.2	315.6	313.4	289.5	274.9	265.6
52.5°	251.5	280.3	284.1	280.8	285.2	293.9	300.9	293.3	265.6	251.0	242.8
55°	224.3	261.8	270.0	267.8	272.7	279.8	281.4	276.5	241.7	227.1	219.5
57.5°	192.8	215.7	229.8	225.4	229.2	236.3	241.2	237.4	211.3	199.9	193.4
60°	159.7	174.9	178.2	171.1	167.9	180.3	191.8	186.9	164.6	157.5	149.9
62.5°	116.8	134.2	136.3	127.1	123.3	136.9	146.7	141.8	117.3	109.7	103.8
65°	93.4	109.7	114.1	105.4	103.2	113.5	119.5	107.6	90.2	82.0	75.5
67.5°	61.4	74.4	85.8	85.3	80.9	84.2	79.9	70.1	57.6	53.2	48.9
70°	38.0	45.6	52.7	55.4	54.9	53.8	47.8	40.7	36.9	35.3	33.1
72.5°	29.3	36.9	42.4	44.0	44.5	42.9	38.0	31.5	27.7	25.5	23.9
75°	21.7	27.7	32.0	34.2	35.3	34.2	29.3	25.0	21.2	19.6	17.9
77.5°	7.6	9.2	11.4	12.5	12.0	11.4	10.3	10.3	8.1	7.6	6.5
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°	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5	710.5
2.5°	642.6	652.4	670.3	686.6	704.0	721.9	741.5	761.6	770.8	769.7
5°	581.2	602.4	631.8	663.8	699.7	738.2	781.1	825.1	844.2	852.3
7.5°	542.7	572.6	611.1	651.9	699.1	754.0	818.6	887.6	915.3	924.6
10°	547.6	582.3	614.4	654.0	704.6	775.7	856.1	938.1	970.7	981.1
12.5°	587.2	594.8	603.5	636.1	699.7	792.0	890.3	988.1	1025.6	1035.9
15°	623.1	587.8	571.5	601.3	682.3	803.4	925.1	1041.9	1083.2	1095.1
17.5°	624.7	571.5	535.1	558.4	654.0	808.3	959.3	1096.8	1141.8	1153.3
20°	604.6	553.5	506.8	507.4	615.5	807.2	987.6	1146.2	1196.7	1207.0
22.5°	575.3	532.4	484.0	467.2	574.2	805.1	1018.5	1198.9	1253.7	1263.5
25°	542.7	505.2	462.3	436.7	532.9	807.2	1062.0	1267.9	1328.2	1337.4
27.5°	507.4	475.3	445.4	424.8	498.1	815.4	1114.1	1355.9	1427.6	1437.4
30°	470.4	446.5	434.6	422.1	476.4	817.5	1170.6	1458.5	1549.3	1562.8
32.5°	434.0	421.0	421.5	423.7	455.8	802.3	1222.2	1572.6	1693.8	1715.5
35°	400.4	396.5	407.4	418.3	425.9	763.2	1267.3	1707.3	1872.5	1894.7
37.5°	371.6	374.8	388.4	399.3	393.3	707.8	1327.1	1875.7	2072.4	2091.4
40°	343.9	352.0	367.8	372.6	368.3	643.2	1398.8	2038.2	2245.7	2271.7
42.5°	318.3	324.3	346.6	347.7	361.2	577.4	1467.8	2213.1	2445.0	2458.6
45°	297.7	296.6	319.4	326.5	370.5	504.7	1535.1	2446.1	2705.8	2725.3
47.5°	277.6	276.5	281.9	314.0	374.3	437.3	1602.0	2787.3	3083.9	3117.5
50°	258.6	260.2	243.4	308.0	353.6	385.7	1632.4	3102.9	3427.7	3441.8
52.5°	241.7	235.8	206.4	288.4	309.6	336.8	1546.0	3246.3	3640.7	3680.9
55°	217.8	184.7	170.0	234.1	244.4	293.9	1266.2	3163.2	3659.1	3730.3
57.5°	186.3	145.0	144.5	172.7	172.7	272.7	811.0	2702.5	3153.4	3278.3
60°	143.4	112.4	119.5	120.1	110.8	198.8	455.2	1957.8	2331.5	2455.9
62.5°	102.1	85.8	90.2	71.7	63.6	99.4	218.4	1127.2	1439.0	1456.4
65°	68.4	58.1	47.3	39.7	39.1	42.4	90.2	407.4	495.4	559.0
67.5°	45.1	35.3	25.0	25.0	28.2	28.2	34.2	67.4	94.5	86.4
70°	29.3	24.4	15.8	15.2	18.5	18.5	17.4	18.5	19.6	19.6
72.5°	21.7	18.5	9.2	8.1	10.3	10.9	9.8	9.2	9.2	9.2
75°	16.3	13.0	5.4	3.8	4.9	6.5	5.4	3.8	3.8	3.3
77.5°	6.5	4.9	2.2	1.6	2.7	3.8	3.3	1.6	1.1	1.1
80°	0.5	1.1	1.1	1.1	1.6	2.2	2.7	1.1	0.5	0.5
82.5°	0.0	0.5	0.5	0.5	1.1	1.6	2.2	1.1	0.5	0.5
85°	0.0	0.0	0.0	0.0	1.1	1.6	1.1	0.5	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.5	1.6	1.1	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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