

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: P634303

Luminaire Tested: GWS-SA3B-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634303
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-SA3B-740-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5549.1 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

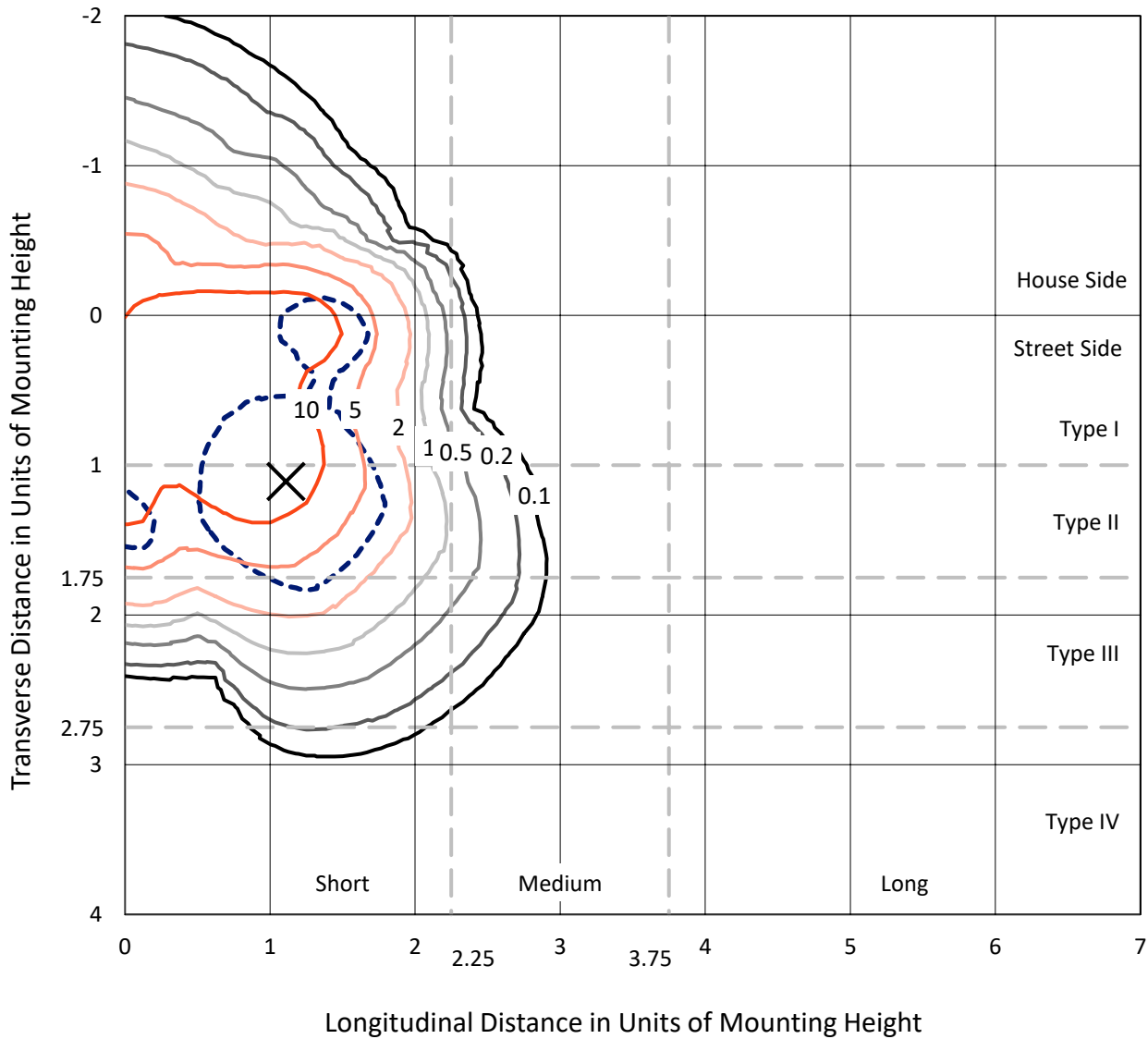
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

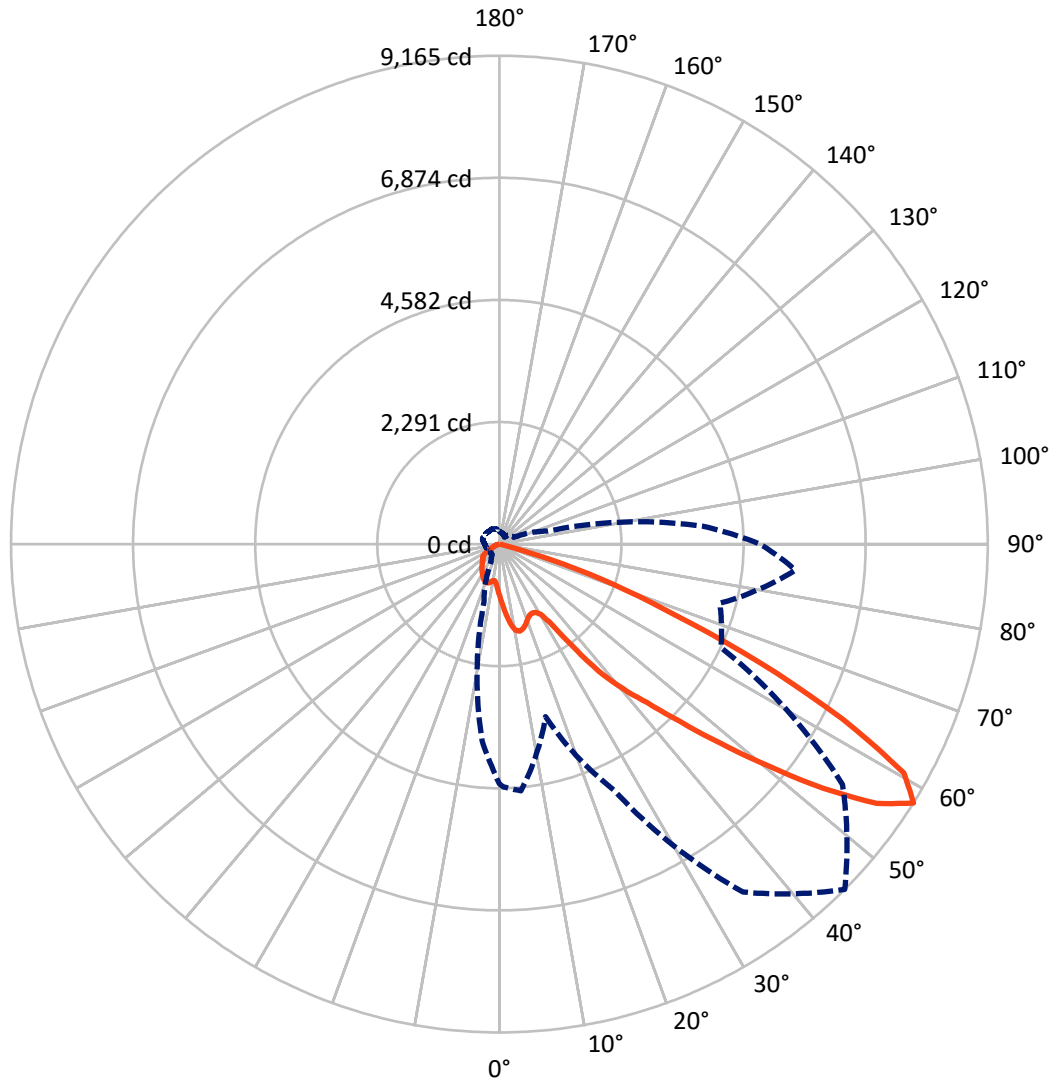
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.4 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	1242.6	0.0	1242.6
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	4306.5	0.0	4306.5
	% Fixture	77.6	0.0	77.6
Total	Lumens	5549.1	0.0	5549.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.7
10°-20°	310.4	5.6
20°-30°	504.2	9.1
30°-40°	779.1	14.0
40°-50°	1249.2	22.5
50°-60°	1707.4	30.8
60°-70°	826.9	14.9
70°-80°	75.7	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°	5549.1	100.0
0°-180°	5549.1	100.0

Coefficient of Utilization



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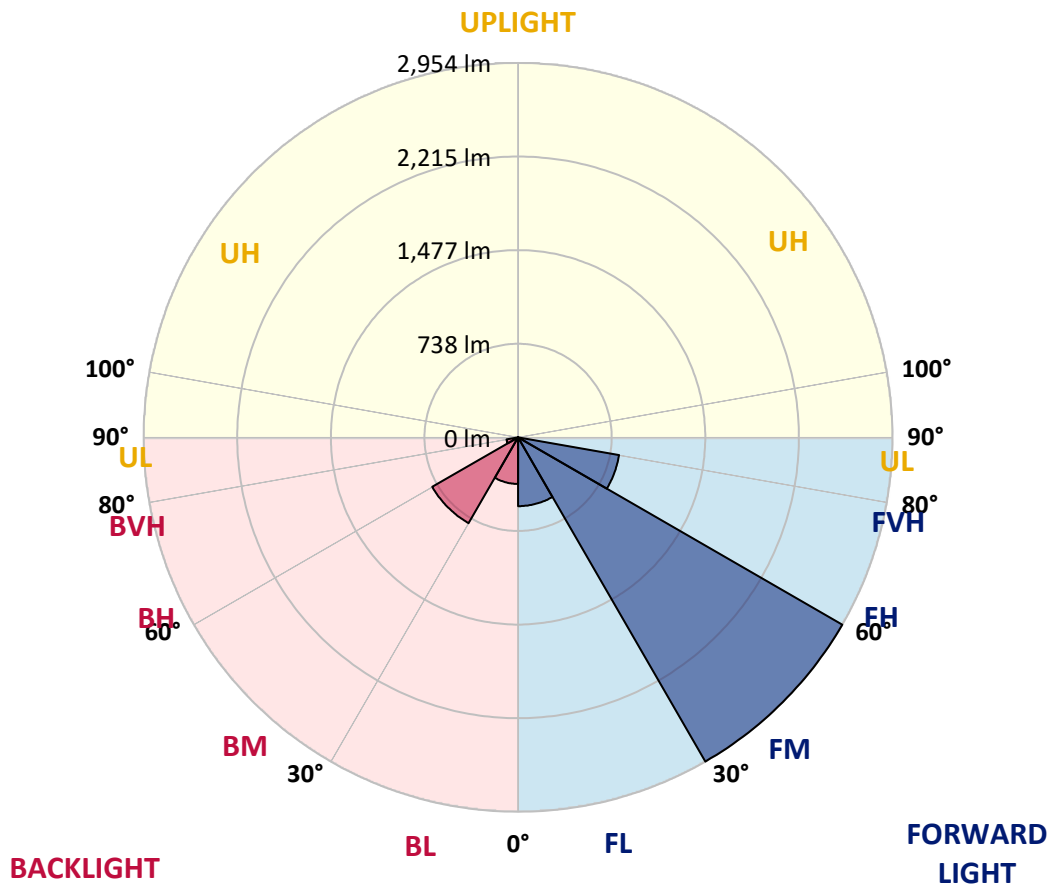
CATALOG NUMBER: GWS-SA3B-740-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	542.9	9.8			
FM (30°-60°)	2953.9	53.2			
FH (60°-80°)	809.5	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	367.7	6.6	B1/500		
BM (30°-60°)	781.8	14.1	B1/1000		
BH (60°-80°)	93.1	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°	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3
2.5°	1056.6	1063.3	1074.5	1098.3	1118.5	1131.9	1137.9	1136.4	1128.2	1122.2	1110.3
5°	1169.9	1169.9	1191.6	1246.0	1287.7	1313.8	1327.3	1319.1	1302.7	1276.6	1236.3
7.5°	1269.1	1272.8	1309.4	1386.9	1450.3	1487.6	1509.2	1504.7	1475.6	1425.7	1345.2
10°	1346.6	1351.1	1399.6	1494.3	1568.9	1606.9	1638.9	1641.9	1609.9	1543.5	1451.0
12.5°	1422.0	1426.4	1477.1	1568.1	1633.7	1649.4	1677.7	1688.9	1680.7	1633.7	1537.5
15°	1503.2	1513.7	1556.9	1624.8	1652.4	1633.7	1652.4	1672.5	1700.1	1695.6	1609.1
17.5°	1583.0	1590.5	1634.5	1658.3	1627.8	1579.3	1588.2	1612.1	1674.7	1735.9	1680.0
20°	1656.8	1667.3	1703.8	1672.5	1580.0	1504.7	1505.5	1536.8	1632.2	1760.5	1752.3
22.5°	1734.4	1750.0	1776.1	1688.2	1536.0	1445.8	1449.5	1477.9	1598.7	1783.6	1834.3
25°	1835.8	1850.7	1867.9	1726.9	1521.9	1416.7	1430.9	1457.0	1598.7	1823.1	1935.7
27.5°	1973.0	1983.4	1984.2	1799.3	1546.5	1421.2	1451.0	1480.9	1646.4	1902.2	2071.4
30°	2145.2	2161.6	2140.0	1911.9	1623.3	1480.9	1524.9	1562.1	1749.3	2035.6	2271.3
32.5°	2354.8	2377.9	2348.8	2078.9	1783.6	1686.7	1766.5	1788.1	1913.3	2228.8	2497.9
35°	2600.8	2620.2	2588.9	2310.0	2157.9	2175.8	2320.5	2292.9	2242.9	2466.6	2762.6
37.5°	2870.8	2888.7	2828.3	2660.5	2711.2	2788.7	3019.9	2925.2	2764.1	2773.1	3049.7
40°	3118.3	3137.7	3043.0	3041.5	3145.9	3287.6	3566.5	3436.0	3216.7	3174.2	3318.9
42.5°	3374.8	3388.2	3302.5	3244.3	3481.5	3773.0	4068.3	3892.3	3516.5	3470.3	3655.9
45°	3740.9	3769.3	3616.4	3344.3	3783.4	4331.5	4743.1	4399.4	3720.8	3683.5	4171.9
47.5°	4279.3	4300.2	3988.5	3406.9	4064.6	5027.2	5586.4	5057.0	3900.5	3815.5	4877.3
50°	4724.5	4738.6	4330.8	3475.5	4363.6	5777.3	6547.6	5837.0	4102.6	4034.0	5535.7
52.5°	5052.5	5106.2	4780.4	3616.4	4756.5	6659.4	7611.6	6760.8	4418.0	4456.0	6081.5
55°	5120.4	5193.5	5087.6	3702.9	5102.5	7557.9	8594.4	7587.8	4732.7	4775.9	6265.0
57.5°	4500.0	4558.2	4646.2	3353.9	5094.3	7969.5	9164.8	7862.2	4589.5	4283.0	5578.2
60°	3371.1	3411.4	3570.9	2563.6	4684.9	7605.7	8720.4	7395.4	4013.1	3268.2	4250.2
62.5°	1999.1	2017.0	2219.1	1660.6	3888.6	6549.8	7232.1	6381.3	3171.3	2198.2	2603.1
65°	767.3	759.8	914.2	819.5	2859.6	5217.3	5379.1	4864.6	2175.8	1007.4	992.5
67.5°	118.6	113.3	152.9	242.3	2062.5	3615.7	3549.3	3506.1	1363.1	234.9	205.1
70°	26.8	26.8	32.8	71.6	1260.2	2124.4	2273.5	2167.6	872.4	50.0	26.8
72.5°	12.7	12.7	15.7	30.6	456.3	875.4	1020.1	1004.4	283.3	16.4	9.7
75°	4.5	5.2	5.2	6.7	27.6	45.5	104.4	74.6	17.9	0.0	0.0
77.5°	1.5	1.5	1.5	1.5	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°	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3
2.5°	1084.2	1079.0	1059.6	1033.5	1008.1	985.8	962.6	935.0	914.9	891.8	884.3
5°	1205.0	1172.2	1119.2	1064.0	1013.3	970.1	928.3	883.6	850.8	818.0	806.8
7.5°	1307.1	1258.7	1172.9	1090.1	1020.8	959.7	899.3	838.1	790.4	751.6	739.7
10°	1398.8	1342.9	1228.1	1125.9	1038.7	967.9	894.8	818.0	756.1	709.9	698.7
12.5°	1477.9	1413.0	1275.1	1152.8	1046.2	964.9	894.0	832.9	777.0	724.0	709.9
15°	1544.2	1472.7	1314.6	1170.7	1035.0	927.6	865.7	856.0	851.5	793.4	765.8
17.5°	1609.1	1528.6	1346.6	1178.9	1003.6	862.0	817.2	861.2	908.2	870.2	835.1
20°	1677.0	1585.3	1379.5	1180.4	951.5	788.2	780.7	850.0	909.7	897.8	865.0
22.5°	1756.8	1656.1	1420.5	1179.6	885.8	725.5	753.9	828.4	876.9	876.1	850.0
25°	1872.3	1745.6	1475.6	1184.1	814.3	677.1	724.0	791.9	831.4	829.9	808.3
27.5°	1996.1	1852.2	1547.2	1195.3	753.1	648.7	689.0	741.9	776.2	774.7	756.1
30°	2169.8	1975.2	1615.8	1196.0	709.1	633.8	650.2	686.7	719.6	715.8	701.7
32.5°	2380.9	2113.9	1673.2	1153.5	681.5	619.6	609.9	628.6	653.9	648.7	645.0
35°	2635.9	2278.7	1722.5	1060.3	639.0	591.3	565.2	568.9	586.8	589.8	588.3
37.5°	2926.7	2474.8	1783.6	937.3	581.6	550.3	515.2	512.3	522.7	532.4	539.9
40°	3213.8	2695.5	1866.4	812.8	529.4	498.1	464.5	457.1	461.6	478.7	494.4
42.5°	3536.6	2951.3	1955.8	706.1	493.6	440.7	408.6	394.5	407.1	434.7	453.4
45°	4001.9	3310.0	2043.1	621.1	478.7	390.0	346.7	345.2	359.4	395.2	416.1
47.5°	4655.1	3773.7	2100.5	554.8	478.0	350.5	299.0	308.0	324.4	359.4	383.3
50°	5291.9	4354.6	2037.1	504.1	462.3	324.4	263.2	281.1	297.5	328.1	352.7
52.5°	5675.9	4667.0	1790.3	456.3	413.8	312.4	228.2	259.5	262.5	290.1	316.2
55°	5635.6	4465.0	1371.3	382.5	342.3	295.3	191.6	234.1	235.6	256.5	278.9
57.5°	4891.5	3833.4	941.8	310.2	257.3	243.8	158.1	197.6	211.8	224.4	240.8
60°	3645.5	2796.9	419.8	252.0	163.3	164.8	135.0	149.1	170.8	185.7	199.8
62.5°	2148.2	1609.1	170.8	151.4	90.2	103.6	108.9	108.9	122.3	133.5	142.4
65°	812.0	563.0	69.3	76.1	47.0	48.5	64.1	79.0	89.5	99.2	111.1
67.5°	142.4	98.4	35.8	28.3	27.6	24.6	32.8	51.5	57.4	64.9	70.1
70°	23.9	20.1	14.9	14.2	12.7	13.4	21.6	36.5	40.3	42.5	44.7
72.5°	6.7	6.0	4.5	3.7	3.0	3.7	13.4	28.3	29.8	31.3	33.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	20.1	21.6	22.4	24.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	6.0	7.5	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3
2.5°	879.9	865.0	856.8	852.3	852.3	846.3	839.6	837.4	847.1	847.1	863.5
5°	792.6	780.7	767.3	759.1	746.4	748.6	741.2	740.4	750.1	754.6	771.8
7.5°	732.2	717.3	709.1	703.9	697.2	694.2	687.5	685.3	690.5	697.9	714.3
10°	692.0	689.7	689.0	692.7	692.7	689.0	683.0	679.3	680.8	694.9	713.6
12.5°	702.4	706.9	708.4	714.3	717.3	714.3	709.9	711.4	721.0	747.1	774.7
15°	747.9	744.2	742.7	745.7	747.9	744.9	743.4	754.6	788.2	825.4	856.8
17.5°	796.4	772.5	762.1	762.1	763.5	762.1	763.5	785.2	839.6	876.9	900.0
20°	821.0	777.0	760.6	756.8	759.8	760.6	765.8	790.4	850.0	876.1	881.4
22.5°	813.5	758.3	739.7	736.7	739.7	742.7	747.9	768.8	824.7	838.1	835.9
25°	776.2	721.8	706.9	706.9	713.6	712.8	715.1	730.0	776.2	784.4	780.7
27.5°	729.2	677.8	665.1	672.6	678.5	677.1	677.8	690.5	724.8	727.0	723.3
30°	681.5	636.8	624.9	633.8	642.0	640.5	641.3	653.9	675.6	673.3	668.1
32.5°	633.1	600.3	591.3	596.5	609.2	607.7	610.7	624.1	632.3	622.6	616.7
35°	588.3	571.2	564.5	567.4	577.1	579.4	584.6	593.5	593.5	581.6	571.2
37.5°	546.6	544.3	539.9	536.1	545.1	551.8	559.2	569.7	554.8	537.6	527.9
40°	507.8	517.5	511.5	501.8	507.0	516.7	531.7	539.9	522.0	504.8	488.4
42.5°	472.0	488.4	486.2	474.2	478.7	487.7	504.8	511.5	490.6	471.3	455.6
45°	437.7	460.8	462.3	447.4	451.9	460.8	480.9	483.2	456.3	435.5	424.3
47.5°	407.9	433.2	434.0	422.8	424.3	437.0	455.6	456.3	425.8	406.4	392.2
50°	379.5	408.6	410.9	401.2	402.7	417.6	433.2	430.2	397.4	377.3	364.6
52.5°	345.2	384.8	390.0	385.5	391.5	403.4	413.1	402.7	364.6	344.5	333.3
55°	308.0	359.4	370.6	367.6	374.3	384.0	386.2	379.5	331.8	311.7	301.2
57.5°	264.7	296.0	315.4	309.4	314.7	324.4	331.1	325.9	290.1	274.4	265.5
60°	219.2	240.1	244.6	234.9	230.4	247.6	263.2	256.5	225.9	216.2	205.8
62.5°	160.3	184.2	187.2	174.5	169.3	187.9	201.3	194.6	161.1	150.6	142.4
65°	128.3	150.6	156.6	144.7	141.7	155.8	164.0	147.6	123.8	112.6	103.6
67.5°	84.3	102.2	117.8	117.1	111.1	115.6	109.6	96.2	79.0	73.1	67.1
70°	52.2	62.6	72.3	76.1	75.3	73.8	65.6	55.9	50.7	48.5	45.5
72.5°	40.3	50.7	58.2	60.4	61.1	58.9	52.2	43.2	38.0	35.0	32.8
75°	29.8	38.0	44.0	47.0	48.5	47.0	40.3	34.3	29.1	26.8	24.6
77.5°	10.4	12.7	15.7	17.2	16.4	15.7	14.2	14.2	11.2	10.4	8.9
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°	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3	975.3
2.5°	882.1	895.5	920.1	942.5	966.4	991.0	1017.8	1045.4	1058.1	1056.6
5°	797.8	826.9	867.2	911.2	960.4	1013.3	1072.2	1132.6	1158.7	1169.9
7.5°	744.9	785.9	838.9	894.8	959.7	1035.0	1123.7	1218.4	1256.4	1269.1
10°	751.6	799.3	843.3	897.8	967.1	1064.8	1175.1	1287.7	1332.5	1346.6
12.5°	806.1	816.5	828.4	873.2	960.4	1087.2	1222.1	1356.3	1407.8	1422.0
15°	855.3	806.8	784.4	825.4	936.5	1102.8	1269.8	1430.2	1486.8	1503.2
17.5°	857.5	784.4	734.5	766.5	897.8	1109.5	1316.8	1505.5	1567.4	1583.0
20°	829.9	759.8	695.7	696.4	844.8	1108.0	1355.6	1573.3	1642.7	1656.8
22.5°	789.6	730.7	664.4	641.3	788.2	1105.1	1398.1	1645.7	1721.0	1734.4
25°	744.9	693.5	634.6	599.5	731.5	1108.0	1457.8	1740.4	1823.1	1835.8
27.5°	696.4	652.4	611.4	583.1	683.8	1119.2	1529.3	1861.1	1959.6	1973.0
30°	645.7	612.9	596.5	579.4	653.9	1122.2	1606.9	2002.1	2126.6	2145.2
32.5°	595.8	577.9	578.6	581.6	625.6	1101.3	1677.7	2158.7	2324.9	2354.8
35°	549.5	544.3	559.2	574.2	584.6	1047.6	1739.6	2343.6	2570.3	2600.8
37.5°	510.0	514.5	533.1	548.1	539.9	971.6	1821.6	2574.7	2844.7	2870.8
40°	472.0	483.2	504.8	511.5	505.6	882.9	1920.1	2797.7	3082.5	3118.3
42.5°	437.0	445.2	475.7	477.2	495.9	792.6	2014.8	3037.8	3356.2	3374.8
45°	408.6	407.1	438.4	448.1	508.5	692.7	2107.2	3357.7	3714.1	3740.9
47.5°	381.0	379.5	387.0	431.0	513.8	600.3	2198.9	3825.9	4233.1	4279.3
50°	354.9	357.2	334.1	422.8	485.4	529.4	2240.7	4259.2	4705.1	4724.5
52.5°	331.8	323.6	283.3	395.9	425.0	462.3	2122.1	4456.0	4997.4	5052.5
55°	299.0	253.5	233.4	321.4	335.5	403.4	1738.1	4341.9	5022.7	5120.4
57.5°	255.8	199.1	198.3	237.1	237.1	374.3	1113.3	3709.6	4328.5	4500.0
60°	196.9	154.4	164.0	164.8	152.1	272.9	624.9	2687.3	3200.3	3371.1
62.5°	140.2	117.8	123.8	98.4	87.2	136.5	299.8	1547.2	1975.2	1999.1
65°	94.0	79.8	64.9	54.4	53.7	58.2	123.8	559.2	680.0	767.3
67.5°	61.9	48.5	34.3	34.3	38.8	38.8	47.0	92.5	129.7	118.6
70°	40.3	33.6	21.6	20.9	25.4	25.4	23.9	25.4	26.8	26.8
72.5°	29.8	25.4	12.7	11.2	14.2	14.9	13.4	12.7	12.7	12.7
75°	22.4	17.9	7.5	5.2	6.7	8.9	7.5	5.2	5.2	4.5
77.5°	8.9	6.7	3.0	2.2	3.7	5.2	4.5	2.2	1.5	1.5
80°	0.7	1.5	1.5	1.5	2.2	3.0	3.7	1.5	0.7	0.7
82.5°	0.0	0.7	0.7	0.7	1.5	2.2	3.0	1.5	0.7	0.7
85°	0.0	0.0	0.0	0.0	1.5	2.2	1.5	0.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.7	2.2	1.5	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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