

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: P631608

Luminaire Tested: GWS-SA2B-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631608
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2712 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

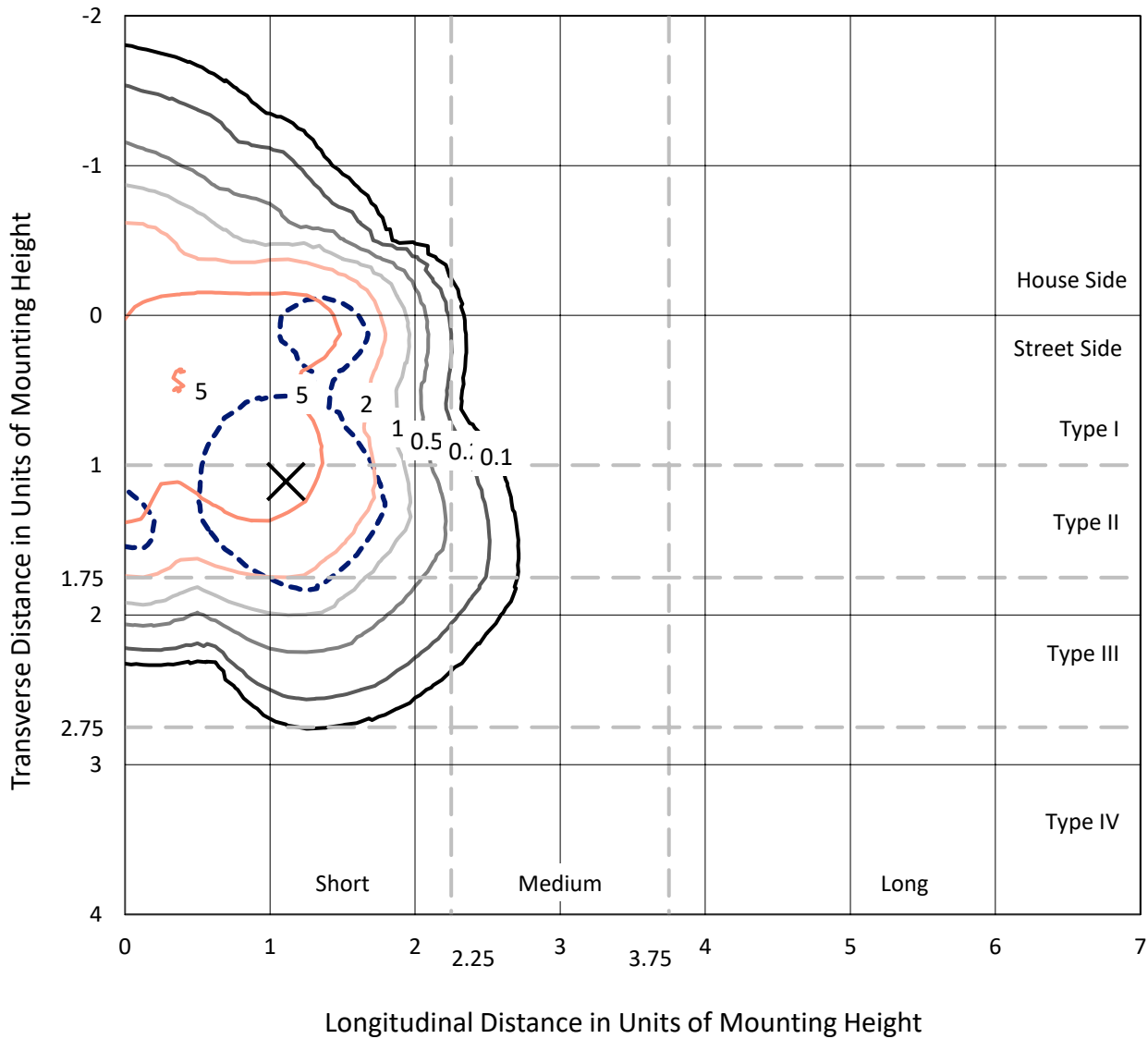
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

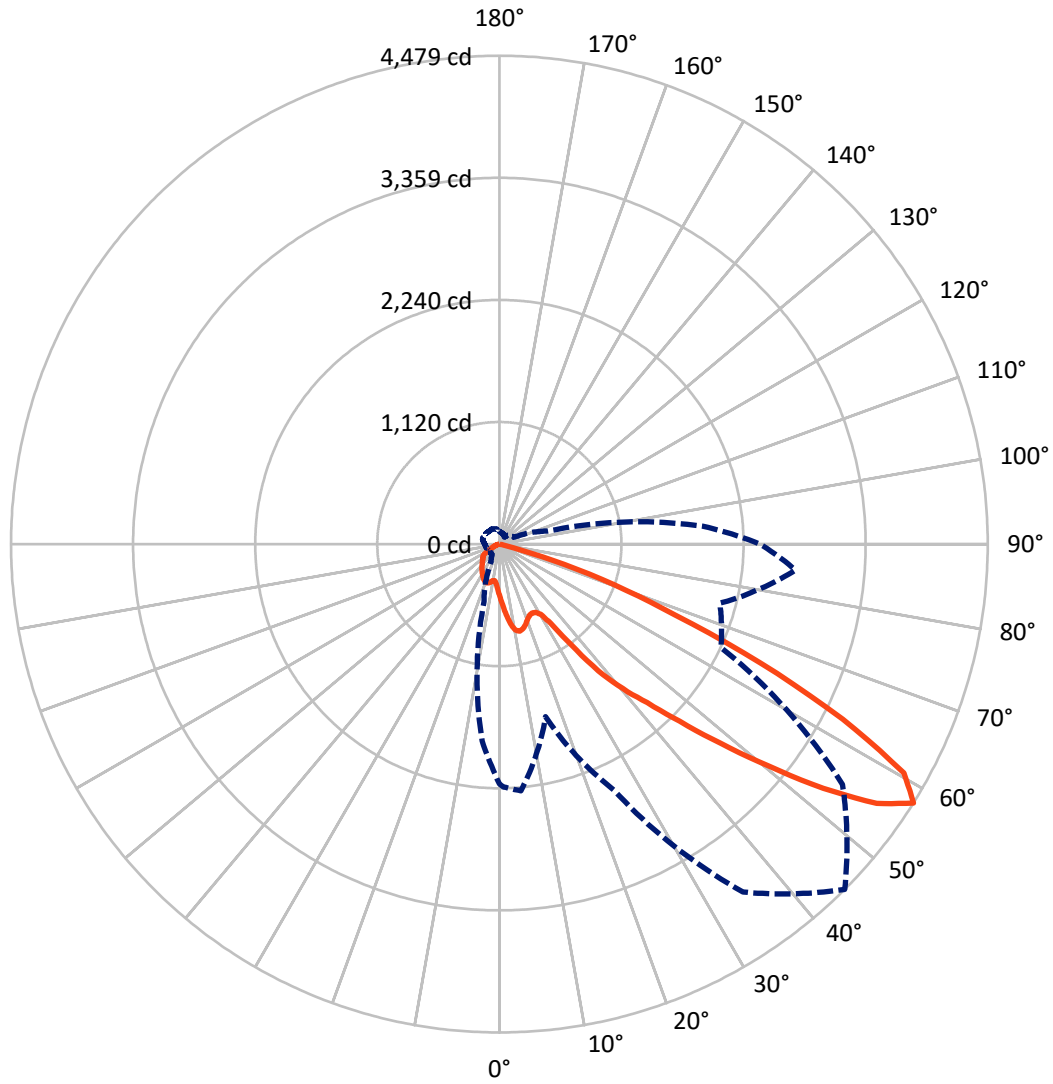
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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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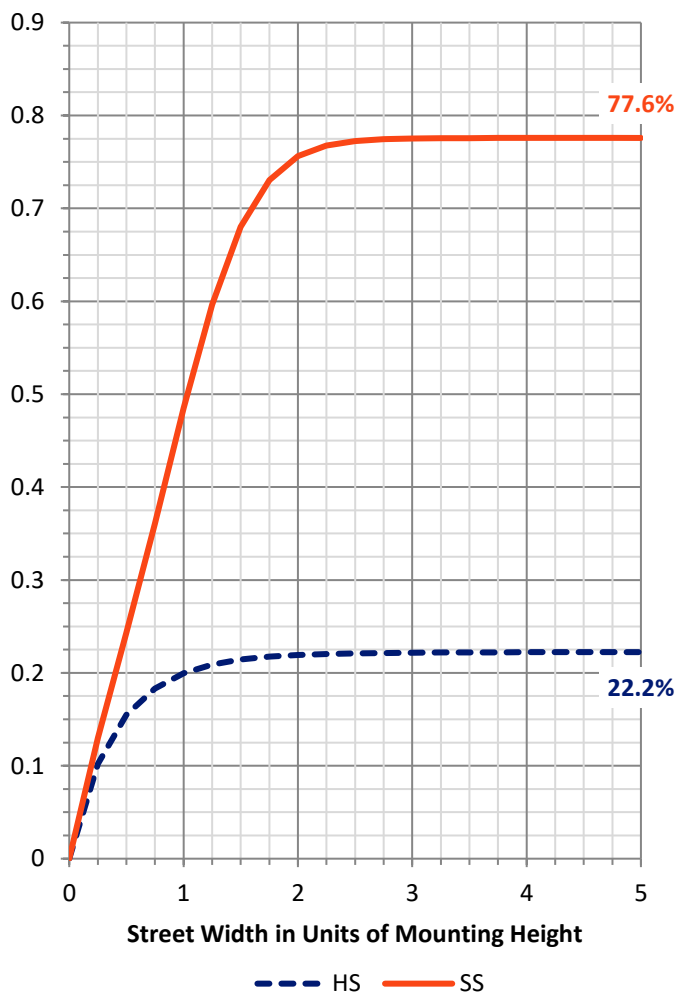
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	607.3	0.0	607.3
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	2104.7	0.0	2104.7
	% Fixture	77.6	0.0	77.6
Total	Lumens	2712.0	0.0	2712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	1.7
10°-20°	151.7	5.6
20°-30°	246.4	9.1
30°-40°	380.8	14.0
40°-50°	610.5	22.5
50°-60°	834.4	30.8
60°-70°	404.1	14.9
70°-80°	37.0	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°	2712.0	100.0
0°-180°	2712.0	100.0

Coefficient of Utilization



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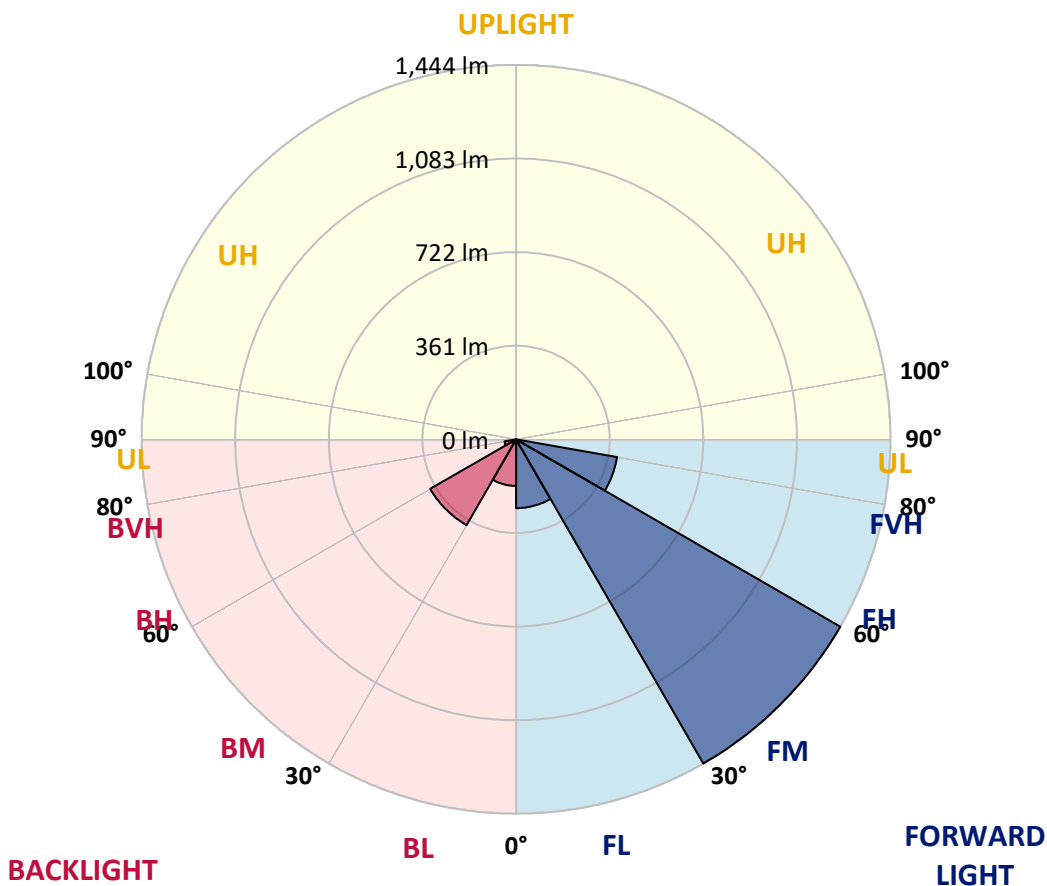
CATALOG NUMBER: GWS-SA2B-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.3	9.8			
FM (30°-60°)	1443.7	53.2			
FH (60°-80°)	395.6	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	179.7	6.6	B1/500		
BM (30°-60°)	382.1	14.1	B1/1000		
BH (60°-80°)	45.5	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°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	516.4	519.7	525.1	536.8	546.6	553.2	556.1	555.4	551.4	548.5	542.6
5°	571.8	571.8	582.3	608.9	629.4	642.1	648.7	644.7	636.6	623.9	604.2
7.5°	620.2	622.1	639.9	677.8	708.8	727.0	737.6	735.4	721.2	696.8	657.4
10°	658.1	660.3	684.0	730.3	766.7	785.3	801.0	802.5	786.8	754.4	709.2
12.5°	695.0	697.1	721.9	766.4	798.4	806.1	819.9	825.4	821.4	798.4	751.4
15°	734.7	739.8	760.9	794.1	807.6	798.4	807.6	817.4	830.9	828.7	786.4
17.5°	773.7	777.3	798.8	810.5	795.5	771.8	776.2	787.9	818.5	848.4	821.0
20°	809.7	814.8	832.7	817.4	772.2	735.4	735.8	751.1	797.7	860.4	856.4
22.5°	847.6	855.3	868.1	825.0	750.7	706.6	708.4	722.3	781.3	871.7	896.5
25°	897.2	904.5	912.9	844.0	743.8	692.4	699.3	712.1	781.3	891.0	946.0
27.5°	964.3	969.4	969.7	879.3	755.8	694.6	709.2	723.7	804.6	929.6	1012.4
30°	1048.4	1056.5	1045.9	934.4	793.3	723.7	745.2	763.5	854.9	994.9	1110.0
32.5°	1150.8	1162.1	1147.9	1016.0	871.7	824.3	863.3	873.9	935.1	1089.3	1220.8
35°	1271.1	1280.6	1265.3	1129.0	1054.6	1063.4	1134.1	1120.6	1096.2	1205.5	1350.2
37.5°	1403.0	1411.8	1382.3	1300.3	1325.0	1362.9	1475.9	1429.6	1350.9	1355.3	1490.5
40°	1524.0	1533.5	1487.2	1486.5	1537.5	1606.7	1743.0	1679.3	1572.1	1551.3	1622.0
42.5°	1649.4	1655.9	1614.0	1585.6	1701.5	1844.0	1988.3	1902.3	1718.6	1696.0	1786.8
45°	1828.3	1842.1	1767.4	1634.4	1849.1	2116.9	2318.1	2150.1	1818.5	1800.2	2038.9
47.5°	2091.4	2101.6	1949.3	1665.0	1986.5	2456.9	2730.2	2471.5	1906.3	1864.7	2383.7
50°	2309.0	2315.9	2116.6	1698.6	2132.6	2823.5	3200.0	2852.7	2005.0	1971.5	2705.5
52.5°	2469.3	2495.6	2336.3	1767.4	2324.6	3254.6	3720.0	3304.2	2159.2	2177.8	2972.2
55°	2502.5	2538.2	2486.4	1809.7	2493.7	3693.8	4200.3	3708.4	2313.0	2334.1	3061.9
57.5°	2199.3	2227.7	2270.7	1639.2	2489.7	3894.9	4479.1	3842.5	2243.0	2093.2	2726.2
60°	1647.5	1667.2	1745.2	1252.9	2289.7	3717.1	4261.9	3614.3	1961.3	1597.3	2077.2
62.5°	977.0	985.8	1084.5	811.6	1900.5	3201.1	3534.5	3118.7	1549.9	1074.3	1272.2
65°	375.0	371.3	446.8	400.5	1397.6	2549.9	2628.9	2377.5	1063.4	492.3	485.0
67.5°	57.9	55.4	74.7	118.4	1008.0	1767.1	1734.6	1713.5	666.2	114.8	100.2
70°	13.1	13.1	16.0	35.0	615.9	1038.2	1111.1	1059.4	426.4	24.4	13.1
72.5°	6.2	6.2	7.7	14.9	223.0	427.8	498.5	490.9	138.5	8.0	4.7
75°	2.2	2.6	2.6	3.3	13.5	22.2	51.0	36.4	8.7	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.4	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°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	529.9	527.3	517.8	505.1	492.7	481.8	470.5	457.0	447.1	435.8	432.2
5°	588.9	572.9	547.0	520.0	495.2	474.1	453.7	431.8	415.8	399.8	394.3
7.5°	638.8	615.1	573.2	532.8	498.9	469.0	439.5	409.6	386.3	367.3	361.5
10°	683.7	656.3	600.2	550.3	507.6	473.0	437.3	399.8	369.5	346.9	341.5
12.5°	722.3	690.6	623.2	563.4	511.3	471.6	436.9	407.1	379.7	353.9	346.9
15°	754.7	719.7	642.5	572.1	505.8	453.3	423.1	418.4	416.2	387.7	374.3
17.5°	786.4	747.1	658.1	576.2	490.5	421.3	399.4	420.9	443.9	425.3	408.2
20°	819.6	774.8	674.2	576.9	465.0	385.2	381.5	415.4	444.6	438.8	422.7
22.5°	858.6	809.4	694.2	576.5	432.9	354.6	368.4	404.9	428.6	428.2	415.4
25°	915.1	853.1	721.2	578.7	397.9	330.9	353.9	387.0	406.3	405.6	395.0
27.5°	975.6	905.2	756.2	584.2	368.1	317.0	336.7	362.6	379.4	378.6	369.5
30°	1060.5	965.4	789.7	584.5	346.6	309.8	317.8	335.6	351.7	349.8	342.9
32.5°	1163.6	1033.1	817.8	563.8	333.1	302.8	298.1	307.2	319.6	317.0	315.2
35°	1288.2	1113.7	841.8	518.2	312.3	289.0	276.2	278.1	286.8	288.3	287.5
37.5°	1430.4	1209.5	871.7	458.1	284.2	268.9	251.8	250.4	255.5	260.2	263.8
40°	1570.7	1317.4	912.1	397.2	258.7	243.4	227.0	223.4	225.6	234.0	241.6
42.5°	1728.5	1442.4	955.9	345.1	241.2	215.4	199.7	192.8	199.0	212.5	221.6
45°	1955.8	1617.7	998.5	303.6	234.0	190.6	169.5	168.7	175.7	193.1	203.3
47.5°	2275.1	1844.3	1026.6	271.1	233.6	171.3	146.1	150.5	158.5	175.7	187.3
50°	2586.3	2128.2	995.6	246.3	225.9	158.5	128.6	137.4	145.4	160.3	172.4
52.5°	2774.0	2280.9	875.0	223.0	202.3	152.7	111.5	126.8	128.3	141.8	154.5
55°	2754.3	2182.2	670.2	186.9	167.3	144.3	93.7	114.4	115.2	125.4	136.3
57.5°	2390.6	1873.5	460.3	151.6	125.7	119.2	77.3	96.6	103.5	109.7	117.7
60°	1781.7	1366.9	205.2	123.2	79.8	80.5	66.0	72.9	83.5	90.7	97.7
62.5°	1049.9	786.4	83.5	74.0	44.1	50.7	53.2	53.2	59.8	65.2	69.6
65°	396.9	275.1	33.9	37.2	23.0	23.7	31.3	38.6	43.7	48.5	54.3
67.5°	69.6	48.1	17.5	13.8	13.5	12.0	16.0	25.1	28.1	31.7	34.3
70°	11.7	9.8	7.3	6.9	6.2	6.6	10.6	17.9	19.7	20.8	21.9
72.5°	3.3	2.9	2.2	1.8	1.5	1.8	6.6	13.8	14.6	15.3	16.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	2.6	9.8	10.6	10.9	12.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.9	3.6	2.9
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	430.0	422.7	418.7	416.5	416.5	413.6	410.3	409.2	414.0	414.0	422.0
5°	387.4	381.5	375.0	371.0	364.8	365.9	362.2	361.9	366.6	368.8	377.2
7.5°	357.9	350.6	346.6	344.0	340.7	339.3	336.0	334.9	337.5	341.1	349.1
10°	338.2	337.1	336.7	338.5	338.5	336.7	333.8	332.0	332.7	339.6	348.8
12.5°	343.3	345.5	346.2	349.1	350.6	349.1	346.9	347.7	352.4	365.2	378.6
15°	365.5	363.7	363.0	364.4	365.5	364.1	363.3	368.8	385.2	403.4	418.7
17.5°	389.2	377.5	372.4	372.4	373.2	372.4	373.2	383.7	410.3	428.6	439.9
20°	401.2	379.7	371.7	369.9	371.3	371.7	374.3	386.3	415.4	428.2	430.7
22.5°	397.6	370.6	361.5	360.0	361.5	363.0	365.5	375.7	403.1	409.6	408.5
25°	379.4	352.8	345.5	345.5	348.8	348.4	349.5	356.8	379.4	383.4	381.5
27.5°	356.4	331.3	325.1	328.7	331.6	330.9	331.3	337.5	354.2	355.3	353.5
30°	333.1	311.2	305.4	309.8	313.8	313.0	313.4	319.6	330.2	329.1	326.5
32.5°	309.4	293.4	289.0	291.5	297.7	297.0	298.5	305.0	309.0	304.3	301.4
35°	287.5	279.1	275.9	277.3	282.1	283.2	285.7	290.1	290.1	284.2	279.1
37.5°	267.1	266.0	263.8	262.0	266.4	269.7	273.3	278.4	271.1	262.7	258.0
40°	248.2	252.9	250.0	245.3	247.8	252.5	259.8	263.8	255.1	246.7	238.7
42.5°	230.7	238.7	237.6	231.8	234.0	238.3	246.7	250.0	239.8	230.3	222.7
45°	213.9	225.2	225.9	218.7	220.8	225.2	235.1	236.1	223.0	212.8	207.4
47.5°	199.3	211.7	212.1	206.6	207.4	213.6	222.7	223.0	208.1	198.6	191.7
50°	185.5	199.7	200.8	196.1	196.8	204.1	211.7	210.3	194.2	184.4	178.2
52.5°	168.7	188.0	190.6	188.4	191.3	197.2	201.9	196.8	178.2	168.4	162.9
55°	150.5	175.7	181.1	179.7	182.9	187.7	188.8	185.5	162.2	152.3	147.2
57.5°	129.4	144.7	154.2	151.2	153.8	158.5	161.8	159.3	141.8	134.1	129.7
60°	107.1	117.3	119.5	114.8	112.6	121.0	128.6	125.4	110.4	105.7	100.6
62.5°	78.4	90.0	91.5	85.3	82.7	91.8	98.4	95.1	78.7	73.6	69.6
65°	62.7	73.6	76.5	70.7	69.2	76.2	80.2	72.2	60.5	55.0	50.7
67.5°	41.2	49.9	57.6	57.2	54.3	56.5	53.6	47.0	38.6	35.7	32.8
70°	25.5	30.6	35.3	37.2	36.8	36.1	32.1	27.3	24.8	23.7	22.2
72.5°	19.7	24.8	28.4	29.5	29.9	28.8	25.5	21.1	18.6	17.1	16.0
75°	14.6	18.6	21.5	23.0	23.7	23.0	19.7	16.8	14.2	13.1	12.0
77.5°	5.1	6.2	7.7	8.4	8.0	7.7	6.9	6.9	5.5	5.1	4.4
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°	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7	476.7
2.5°	431.1	437.7	449.7	460.6	472.3	484.3	497.4	510.9	517.1	516.4
5°	389.9	404.1	423.8	445.3	469.4	495.2	524.0	553.6	566.3	571.8
7.5°	364.1	384.1	410.0	437.3	469.0	505.8	549.2	595.5	614.0	620.2
10°	367.3	390.7	412.2	438.8	472.7	520.4	574.3	629.4	651.2	658.1
12.5°	393.9	399.0	404.9	426.7	469.4	531.3	597.3	662.9	688.0	695.0
15°	418.0	394.3	383.4	403.4	457.7	539.0	620.6	699.0	726.7	734.7
17.5°	419.1	383.4	359.0	374.6	438.8	542.3	643.6	735.8	766.0	773.7
20°	405.6	371.3	340.0	340.4	412.9	541.5	662.5	768.9	802.8	809.7
22.5°	385.9	357.1	324.7	313.4	385.2	540.1	683.3	804.3	841.1	847.6
25°	364.1	338.9	310.1	293.0	357.5	541.5	712.4	850.6	891.0	897.2
27.5°	340.4	318.9	298.8	285.0	334.2	547.0	747.4	909.6	957.7	964.3
30°	315.6	299.6	291.5	283.2	319.6	548.5	785.3	978.5	1039.3	1048.4
32.5°	291.2	282.4	282.8	284.2	305.7	538.3	819.9	1055.0	1136.3	1150.8
35°	268.6	266.0	273.3	280.6	285.7	512.0	850.2	1145.4	1256.2	1271.1
37.5°	249.3	251.5	260.6	267.8	263.8	474.8	890.3	1258.3	1390.3	1403.0
40°	230.7	236.1	246.7	250.0	247.1	431.5	938.4	1367.3	1506.5	1524.0
42.5°	213.6	217.6	232.5	233.2	242.3	387.4	984.7	1484.7	1640.3	1649.4
45°	199.7	199.0	214.3	219.0	248.5	338.5	1029.9	1641.0	1815.2	1828.3
47.5°	186.2	185.5	189.1	210.6	251.1	293.4	1074.7	1869.8	2068.8	2091.4
50°	173.5	174.6	163.3	206.6	237.2	258.7	1095.1	2081.6	2299.5	2309.0
52.5°	162.2	158.2	138.5	193.5	207.7	225.9	1037.1	2177.8	2442.4	2469.3
55°	146.1	123.9	114.1	157.1	164.0	197.2	849.5	2122.0	2454.7	2502.5
57.5°	125.0	97.3	96.9	115.9	115.9	182.9	544.1	1813.0	2115.5	2199.3
60°	96.2	75.4	80.2	80.5	74.3	133.4	305.4	1313.4	1564.1	1647.5
62.5°	68.5	57.6	60.5	48.1	42.6	66.7	146.5	756.2	965.4	977.0
65°	45.9	39.0	31.7	26.6	26.2	28.4	60.5	273.3	332.4	375.0
67.5°	30.2	23.7	16.8	16.8	18.9	18.9	23.0	45.2	63.4	57.9
70°	19.7	16.4	10.6	10.2	12.4	12.4	11.7	12.4	13.1	13.1
72.5°	14.6	12.4	6.2	5.5	6.9	7.3	6.6	6.2	6.2	6.2
75°	10.9	8.7	3.6	2.6	3.3	4.4	3.6	2.6	2.6	2.2
77.5°	4.4	3.3	1.5	1.1	1.8	2.6	2.2	1.1	0.7	0.7
80°	0.4	0.7	0.7	0.7	1.1	1.5	1.8	0.7	0.4	0.4
82.5°	0.0	0.4	0.4	0.4	0.7	1.1	1.5	0.7	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.7	1.1	0.7	0.4	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.4	1.1	0.7	0.4	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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