

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: P639365

Luminaire Tested: GWS-SA5B-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5B-760-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11117.2 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

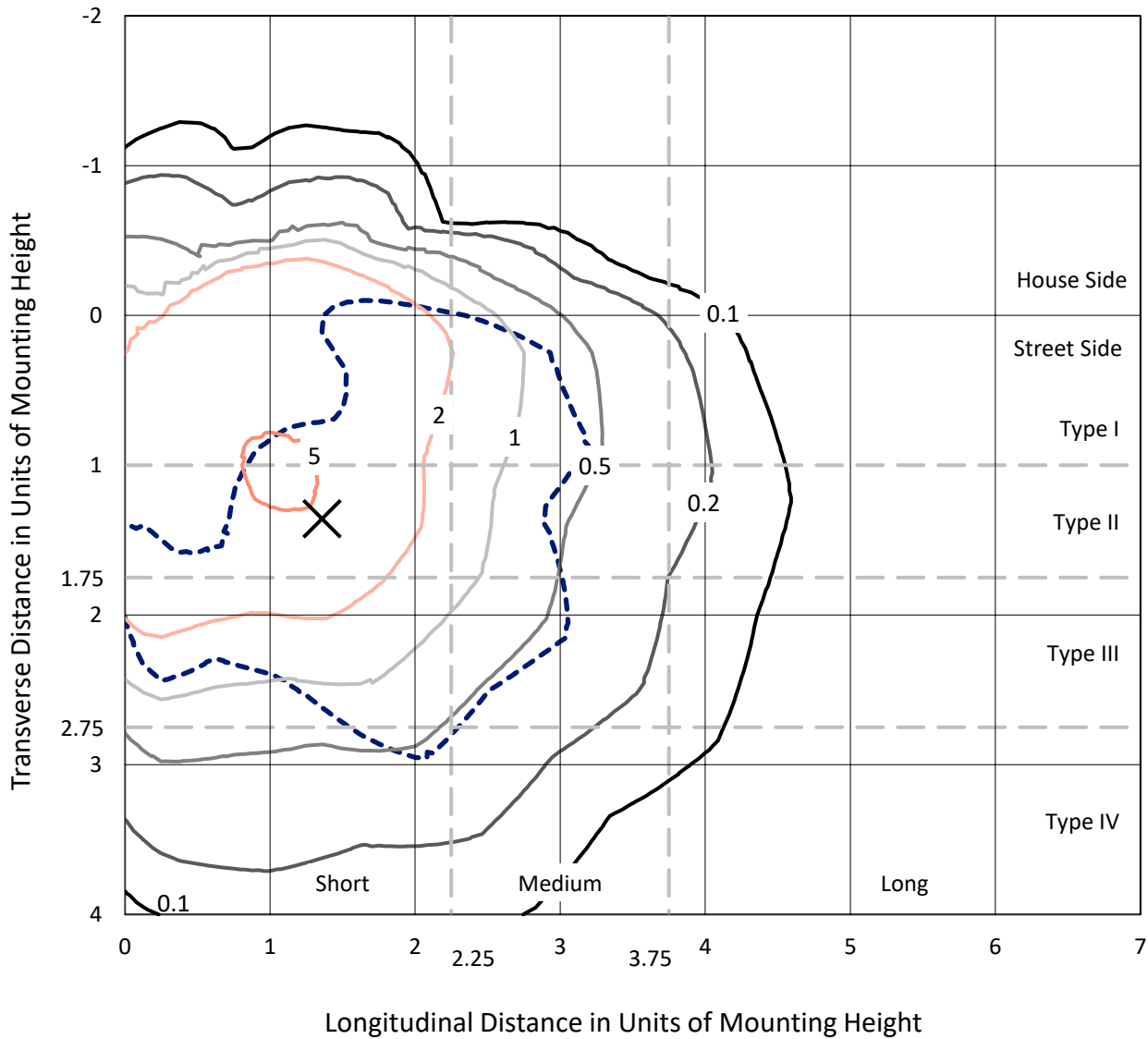
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

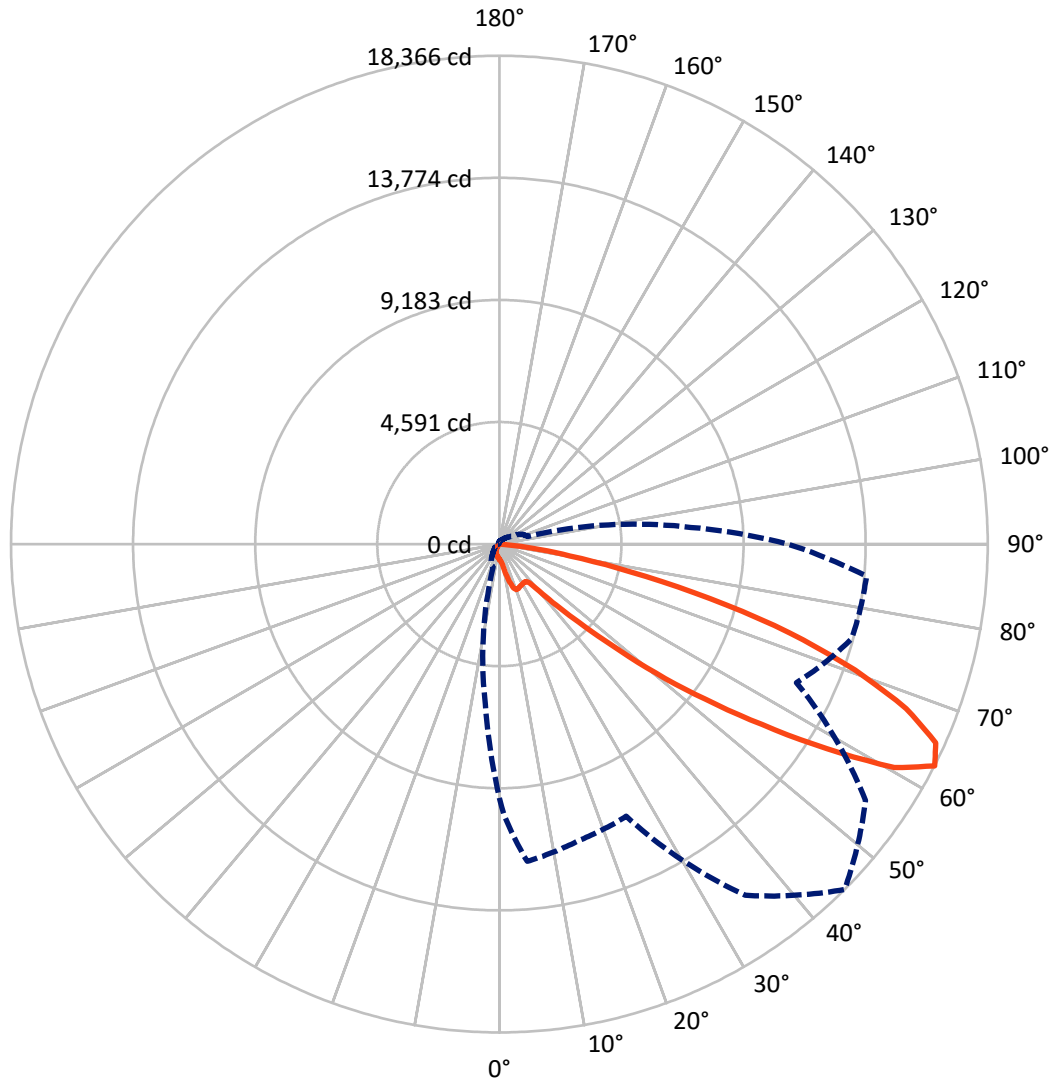
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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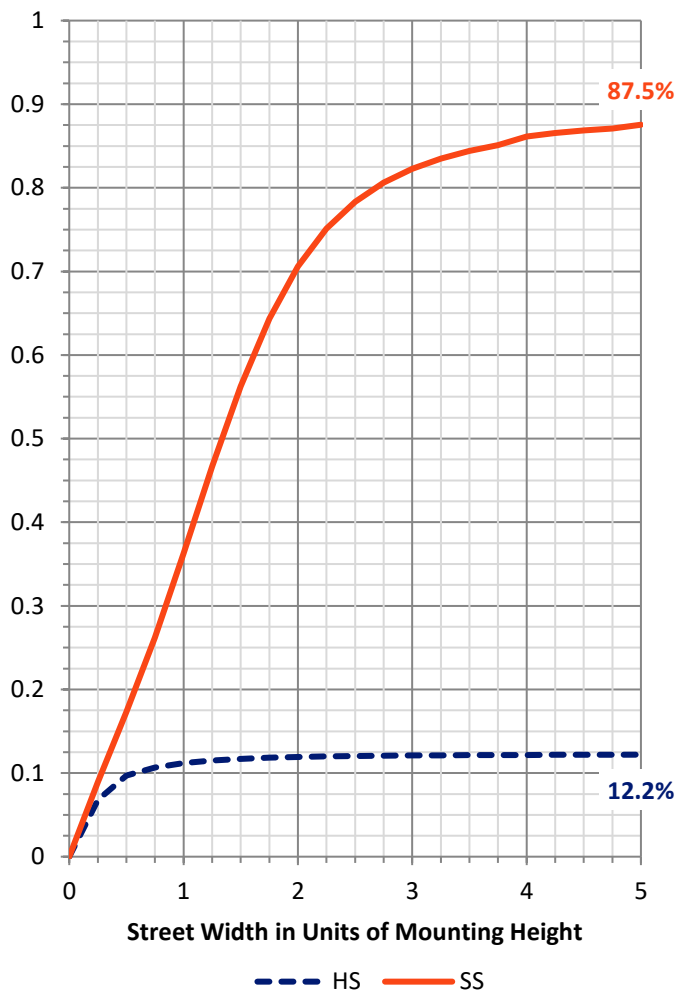
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1371.9	0.0	1371.9
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	9745.4	0.0	9745.4
	% Fixture	87.7	0.0	87.7
Total	Lumens	11117.2	0.0	11117.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	0.5
10°-20°	193.8	1.7
20°-30°	421.3	3.8
30°-40°	691.6	6.2
40°-50°	1271.3	11.4
50°-60°	2730.2	24.6
60°-70°	3667.1	33.0
70°-80°	1909.5	17.2
80°-90°	181.1	1.6
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°	11117.2	100.0
0°-180°	11117.2	100.0

Coefficient of Utilization

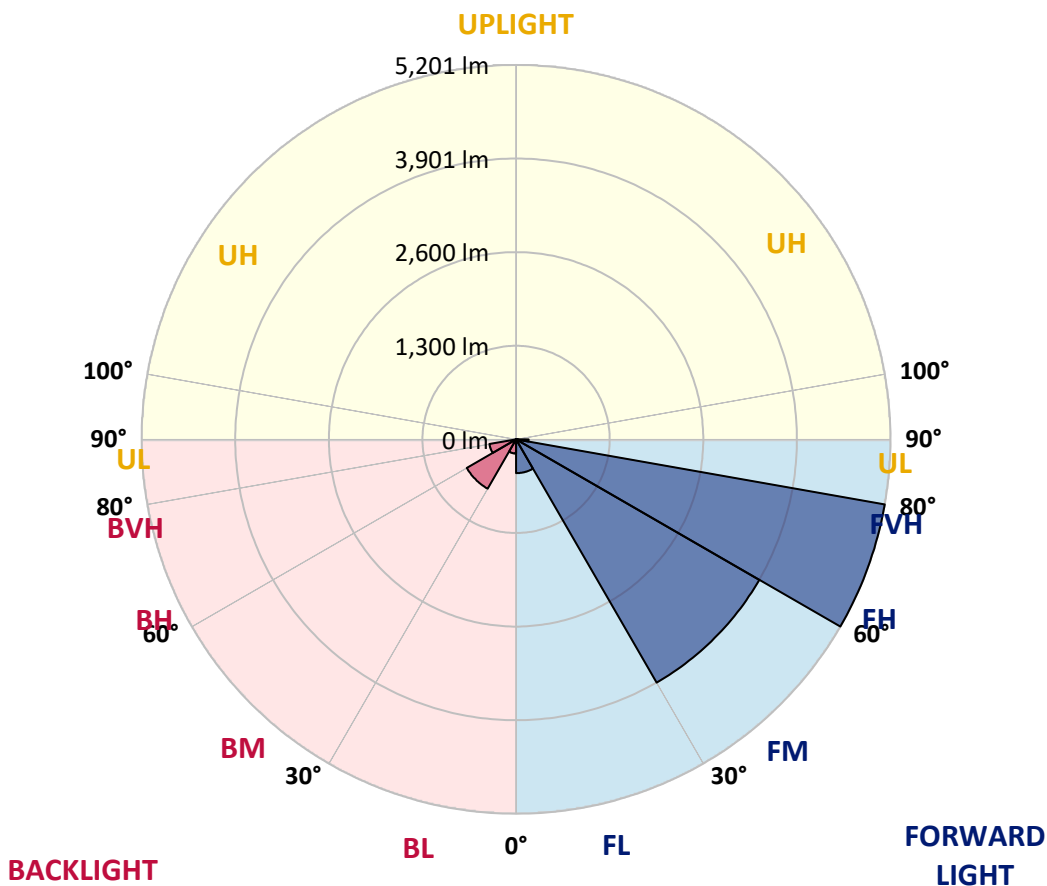


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.6	4.2			
FM (30°-60°)	3902.0	35.1			
FH (60°-80°)	5200.7	46.8			G3/7500
FVH (80°-90°)	173.0	1.6			G2/225
BL (0°-30°)	196.8	1.8	B1/500		
BM (30°-60°)	791.1	7.1	B1/1000		
BH (60°-80°)	375.9	3.4	B1/500		G1/500
BVH (80°-90°)	8.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9
2.5°	589.4	592.0	594.6	603.5	610.0	615.1	616.4	612.5	603.5	594.6	581.7
5°	571.4	574.0	583.0	607.4	631.8	651.1	657.5	653.6	631.8	603.5	574.0
7.5°	570.2	575.3	597.1	648.5	701.1	740.9	751.2	742.2	701.1	644.6	584.3
10°	616.4	625.4	657.5	749.9	846.2	916.9	945.1	906.6	841.1	738.4	639.5
12.5°	737.1	752.5	814.1	949.0	1097.9	1191.7	1230.2	1182.7	1080.0	931.0	774.3
15°	927.1	950.3	1042.7	1244.3	1420.3	1503.7	1516.6	1489.6	1370.2	1205.8	995.2
17.5°	1195.5	1228.9	1372.7	1578.2	1705.3	1734.9	1731.0	1702.8	1615.4	1502.4	1303.4
20°	1516.6	1556.4	1697.6	1867.1	1880.0	1845.3	1826.0	1809.3	1779.8	1760.6	1605.2
22.5°	1840.2	1889.0	2036.6	2079.0	1963.4	1863.3	1815.8	1828.6	1872.3	1967.3	1904.4
25°	2162.5	2208.7	2347.4	2233.1	2002.0	1835.0	1774.7	1805.5	1909.5	2115.0	2195.9
27.5°	2538.7	2573.4	2655.6	2338.4	2008.4	1811.9	1752.8	1800.4	1927.5	2207.4	2515.6
30°	2930.4	2950.9	2911.1	2366.7	1986.6	1777.2	1731.0	1800.4	1958.3	2269.1	2755.8
32.5°	3218.0	3221.9	3092.2	2369.2	1975.0	1749.0	1710.5	1792.7	1987.8	2320.4	2988.2
35°	3514.7	3495.4	3265.6	2407.8	2005.8	1759.3	1725.9	1814.5	2034.1	2380.8	3192.4
37.5°	3815.2	3780.5	3459.5	2470.7	2085.4	1871.0	1850.4	1926.2	2108.6	2464.3	3417.1
40°	4123.4	4075.9	3661.1	2565.7	2262.6	2251.1	2321.7	2312.7	2312.7	2570.8	3648.2
42.5°	4499.6	4444.4	3959.0	2834.1	2676.1	2934.3	3126.9	3007.4	2786.6	2816.1	3948.7
45°	4996.6	4949.1	4475.2	3347.7	3324.6	3917.9	4177.3	3941.0	3391.4	3382.4	4450.8
47.5°	5791.5	5782.5	5298.3	3943.6	4118.2	5169.9	5670.7	5216.2	4081.0	3982.1	5401.1
50°	6908.7	6881.7	6324.4	4642.2	5062.1	6721.2	7614.9	6857.3	4914.4	4682.0	6673.7
52.5°	8167.1	8195.4	7761.3	5404.9	6065.0	8447.1	9691.4	8737.3	5819.7	5571.9	8275.0
55°	9352.4	9514.2	9399.9	6297.4	7044.8	10352.7	11972.0	10799.6	6940.8	6736.6	10070.2
57.5°	10279.5	10735.4	11536.7	7594.4	8196.6	12582.0	14518.5	13035.3	8249.3	8628.1	12513.9
60°	10330.9	10934.4	12795.1	10307.8	9678.5	14494.1	17061.0	15219.6	10306.5	11839.7	14428.6
62.5°	9556.5	10203.8	11975.9	11540.5	11292.7	16121.1	18365.7	16811.9	12330.3	13721.0	13861.0
65°	8670.5	9324.1	11061.6	10142.1	11105.2	16051.7	18034.4	16849.2	12513.9	12442.0	12845.2
67.5°	7331.1	7918.0	9491.1	8977.4	10235.9	15277.4	16503.7	15787.2	11529.0	11636.9	11816.6
70°	5351.0	5916.0	7376.1	7401.8	8938.9	13881.5	14180.7	14081.8	10617.2	10731.5	10217.9
72.5°	3865.3	4341.7	5601.4	6070.1	7135.9	11640.7	11434.0	11815.3	9109.7	9557.8	8206.9
75°	2778.9	3135.9	4109.2	5280.4	5656.6	8644.8	8185.1	9150.8	7309.3	8230.0	6170.3
77.5°	1127.5	1253.3	1616.7	3557.1	3717.6	5815.9	5010.7	6646.7	5211.0	5407.5	2990.8
80°	46.2	51.4	66.8	1836.3	2549.0	3272.0	2681.3	3553.2	3441.5	2177.9	706.3
82.5°	5.1	5.1	11.6	529.1	1115.9	1805.5	1263.6	2046.9	1742.6	923.3	321.0
85°	1.3	1.3	2.6	60.4	262.0	288.9	170.8	627.9	810.3	377.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	11.6	12.8	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°	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9
2.5°	581.7	575.3	567.6	559.9	556.0	545.8	541.9	539.3	536.8	538.1	538.1
5°	562.5	548.3	531.6	514.9	506.0	495.7	490.5	488.0	489.3	494.4	494.4
7.5°	559.9	532.9	497.0	475.1	464.9	457.2	452.0	449.4	450.7	457.2	459.7
10°	602.3	554.7	490.5	453.3	441.7	434.0	428.9	425.0	422.5	427.6	428.9
12.5°	693.4	627.9	521.4	450.7	430.2	419.9	416.1	408.4	404.5	407.1	408.4
15°	882.2	769.2	583.0	461.0	419.9	408.4	401.9	395.5	389.1	387.8	389.1
17.5°	1128.8	967.0	676.7	485.4	412.2	398.1	389.1	380.1	371.1	369.8	368.5
20°	1434.4	1209.7	807.7	523.9	405.8	389.1	376.3	363.4	351.9	348.0	348.0
22.5°	1713.0	1502.4	975.9	571.4	396.8	376.3	360.8	345.4	332.6	326.2	324.9
25°	2053.3	1813.2	1177.6	626.7	384.0	359.6	342.9	327.5	314.6	306.9	304.3
27.5°	2396.2	2140.7	1406.1	698.6	368.5	342.9	327.5	313.3	299.2	290.2	287.6
30°	2728.8	2493.8	1663.0	788.5	357.0	326.2	313.3	299.2	286.4	272.2	268.4
32.5°	3085.8	2854.6	1950.6	888.6	348.0	314.6	300.5	287.6	271.0	258.1	251.7
35°	3429.9	3227.0	2267.8	986.2	339.0	304.3	288.9	276.1	258.1	244.0	235.0
37.5°	3776.6	3605.9	2599.1	1045.3	326.2	290.2	276.1	265.8	245.3	228.6	218.3
40°	4143.9	3997.5	2957.4	1020.9	314.6	274.8	267.1	255.5	232.4	213.2	200.3
42.5°	4547.1	4371.2	3322.1	927.1	304.3	262.0	254.3	242.7	220.9	197.8	181.1
45°	5054.4	4780.8	3621.3	785.9	309.5	249.1	233.7	231.1	210.6	181.1	160.5
47.5°	5926.3	5410.1	3853.7	694.7	344.1	235.0	217.0	223.4	201.6	164.4	141.3
50°	7260.5	6452.8	4070.7	688.3	396.8	228.6	201.6	218.3	192.6	147.7	124.6
52.5°	8531.8	7512.2	4209.4	744.8	443.0	245.3	186.2	211.9	186.2	136.1	113.0
55°	9747.9	8123.5	3961.6	785.9	486.7	295.4	174.6	201.6	178.5	129.7	109.2
57.5°	11059.0	8395.7	3119.2	869.4	517.5	337.7	177.2	186.2	168.2	125.8	107.9
60°	11450.7	8047.7	1882.5	978.5	500.8	350.6	196.5	165.7	154.1	118.1	104.0
62.5°	10842.0	7222.0	1110.8	891.2	486.7	331.3	224.7	152.8	140.0	107.9	96.3
65°	9931.5	6100.9	724.3	752.5	516.2	295.4	238.8	146.4	127.1	97.6	84.8
67.5°	8891.4	4914.4	507.2	444.3	476.4	265.8	201.6	145.1	114.3	82.2	69.3
70°	7489.1	3680.3	357.0	294.1	396.8	236.3	156.7	141.3	100.2	66.8	53.9
72.5°	5786.3	2303.7	265.8	190.1	282.5	192.6	124.6	119.4	80.9	55.2	41.1
75°	4267.2	1313.7	187.5	137.4	186.2	146.4	92.5	84.8	69.3	52.6	37.2
77.5°	2228.0	657.5	116.9	105.3	106.6	91.2	66.8	61.6	64.2	52.6	34.7
80°	427.6	131.0	70.6	77.0	57.8	57.8	48.8	51.4	56.5	42.4	29.5
82.5°	178.5	28.3	38.5	43.7	36.0	39.8	39.8	41.1	39.8	30.8	21.8
85°	0.0	0.0	16.7	18.0	24.4	24.4	20.5	20.5	20.5	18.0	12.8
87.5°	0.0	0.0	0.0	0.0	1.3	3.9	7.7	9.0	10.3	7.7	5.1
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°	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9
2.5°	536.8	534.2	538.1	540.6	543.2	543.2	540.6	538.1	534.2	538.1	534.2
5°	495.7	499.5	506.0	508.5	511.1	506.0	503.4	495.7	489.3	490.5	488.0
7.5°	463.6	467.4	475.1	480.3	480.3	477.7	470.0	462.3	452.0	452.0	450.7
10°	434.0	439.2	448.2	454.6	457.2	454.6	446.9	436.6	427.6	427.6	423.8
12.5°	409.6	416.1	426.3	435.3	437.9	435.3	427.6	417.3	407.1	407.1	404.5
15°	389.1	396.8	408.4	418.6	422.5	418.6	409.6	396.8	386.5	387.8	384.0
17.5°	369.8	376.3	391.7	403.2	407.1	403.2	391.7	375.0	364.7	367.3	364.7
20°	348.0	355.7	371.1	384.0	387.8	384.0	371.1	353.1	342.9	342.9	344.1
22.5°	324.9	332.6	348.0	357.0	362.1	358.3	345.4	328.7	318.5	318.5	319.8
25°	304.3	308.2	319.8	328.7	330.0	326.2	315.9	303.1	295.4	299.2	300.5
27.5°	285.1	285.1	290.2	295.4	294.1	290.2	286.4	276.1	274.8	278.7	282.5
30°	264.5	258.1	255.5	251.7	250.4	249.1	253.0	253.0	255.5	260.7	264.5
32.5°	246.6	233.7	222.2	210.6	204.2	209.3	219.6	228.6	237.6	245.3	249.1
35°	226.0	205.5	186.2	170.8	160.5	168.2	184.9	201.6	217.0	227.3	233.7
37.5°	205.5	175.9	152.8	133.6	125.8	132.3	150.2	173.4	196.5	209.3	218.3
40°	183.6	146.4	119.4	104.0	96.3	102.7	120.7	143.8	174.6	191.3	202.9
42.5°	161.8	120.7	96.3	80.9	77.0	80.9	95.0	118.1	151.5	172.1	187.5
45°	140.0	100.2	77.0	65.5	61.6	65.5	77.0	96.3	129.7	152.8	170.8
47.5°	120.7	84.8	64.2	53.9	51.4	55.2	64.2	80.9	109.2	132.3	152.8
50°	105.3	74.5	55.2	46.2	43.7	47.5	55.2	68.1	92.5	113.0	134.8
52.5°	95.0	69.3	48.8	39.8	38.5	41.1	47.5	57.8	78.3	96.3	116.9
55°	92.5	69.3	44.9	36.0	34.7	37.2	42.4	50.1	68.1	83.5	101.4
57.5°	95.0	74.5	42.4	30.8	29.5	32.1	37.2	43.7	59.1	71.9	88.6
60°	95.0	75.8	37.2	24.4	23.1	25.7	30.8	38.5	52.6	62.9	77.0
62.5°	86.0	69.3	30.8	19.3	16.7	19.3	25.7	32.1	46.2	56.5	68.1
65°	74.5	59.1	25.7	14.1	11.6	14.1	20.5	27.0	39.8	48.8	61.6
67.5°	60.4	44.9	19.3	10.3	7.7	10.3	15.4	21.8	33.4	42.4	55.2
70°	44.9	32.1	15.4	9.0	7.7	9.0	14.1	20.5	29.5	38.5	51.4
72.5°	33.4	21.8	12.8	9.0	6.4	9.0	12.8	19.3	28.3	37.2	48.8
75°	28.3	18.0	11.6	7.7	6.4	7.7	11.6	18.0	25.7	34.7	46.2
77.5°	27.0	16.7	10.3	6.4	5.1	6.4	10.3	15.4	23.1	32.1	44.9
80°	23.1	14.1	9.0	5.1	3.9	5.1	9.0	12.8	18.0	24.4	34.7
82.5°	18.0	11.6	6.4	2.6	1.3	2.6	6.4	7.7	11.6	14.1	20.5
85°	11.6	6.4	2.6	0.0	0.0	0.0	2.6	5.1	5.1	6.4	10.3
87.5°	5.1	1.3	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.6	3.9
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°	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9	577.9
2.5°	541.9	543.2	545.8	549.6	558.6	566.3	574.0	584.3	589.4	589.4
5°	490.5	491.8	493.1	498.2	511.1	521.4	538.1	558.6	568.9	571.4
7.5°	450.7	453.3	455.9	459.7	472.6	486.7	508.5	547.0	566.3	570.2
10°	427.6	431.5	436.6	444.3	455.9	471.3	508.5	577.9	610.0	616.4
12.5°	409.6	416.1	421.2	430.2	444.3	468.7	543.2	665.2	721.7	737.1
15°	391.7	399.4	407.1	416.1	431.5	477.7	610.0	821.8	915.6	927.1
17.5°	373.7	382.7	392.9	403.2	422.5	499.5	715.3	1038.9	1169.8	1195.5
20°	353.1	364.7	378.8	391.7	413.5	534.2	861.7	1297.0	1461.3	1516.6
22.5°	331.3	345.4	362.1	378.8	403.2	576.6	1038.9	1574.4	1804.2	1840.2
25°	313.3	327.5	342.9	359.6	386.5	627.9	1253.3	1918.5	2127.8	2162.5
27.5°	296.6	310.8	324.9	340.3	369.8	694.7	1511.4	2284.5	2502.8	2538.7
30°	278.7	295.4	309.5	324.9	354.4	776.9	1809.3	2690.3	2897.0	2930.4
32.5°	263.2	279.9	294.1	309.5	342.9	866.8	2122.7	3049.8	3218.0	3218.0
35°	250.4	268.4	278.7	299.2	333.9	924.6	2419.3	3392.7	3519.8	3514.7
37.5°	236.3	258.1	265.8	279.9	322.3	931.0	2698.0	3754.8	3848.6	3815.2
40°	222.2	245.3	256.8	264.5	309.5	878.3	3003.6	4087.4	4167.0	4123.4
42.5°	209.3	227.3	244.0	253.0	301.8	785.9	3248.9	4443.1	4538.1	4499.6
45°	196.5	211.9	222.2	238.8	306.9	721.7	3459.5	4857.9	5024.8	4996.6
47.5°	183.6	196.5	202.9	228.6	341.6	692.1	3587.9	5500.0	5814.6	5791.5
50°	169.5	184.9	184.9	226.0	392.9	702.4	3699.6	6429.7	6916.4	6908.7
52.5°	155.4	172.1	169.5	245.3	432.8	749.9	3826.7	7250.2	8096.5	8167.1
55°	141.3	156.7	159.2	283.8	455.9	791.0	3334.9	7595.7	9104.5	9352.4
57.5°	125.8	134.8	165.7	313.3	448.2	910.5	2284.5	7658.6	9747.9	10279.5
60°	109.2	116.9	187.5	306.9	423.8	841.1	1438.2	7093.6	9656.7	10330.9
62.5°	95.0	107.9	197.8	271.0	431.5	729.4	916.9	6045.7	8787.4	9556.5
65°	83.5	104.0	179.8	245.3	436.6	494.4	619.0	4918.2	7938.5	8670.5
67.5°	74.5	115.6	147.7	218.3	375.0	348.0	425.0	3821.6	6674.9	7331.1
70°	68.1	118.1	120.7	187.5	290.2	223.4	279.9	2572.1	4601.1	5351.0
72.5°	61.6	87.3	91.2	150.2	187.5	136.1	181.1	1471.6	3354.2	3865.3
75°	59.1	59.1	62.9	97.6	104.0	98.9	116.9	878.3	2405.2	2778.9
77.5°	55.2	44.9	39.8	62.9	56.5	70.6	69.3	390.4	1042.7	1127.5
80°	43.7	32.1	27.0	39.8	38.5	47.5	41.1	32.1	47.5	46.2
82.5°	27.0	20.5	19.3	24.4	21.8	24.4	19.3	5.1	5.1	5.1
85°	12.8	11.6	10.3	10.3	11.6	10.3	7.7	2.6	1.3	1.3
87.5°	6.4	6.4	5.1	3.9	5.1	5.1	3.9	1.3	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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