

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: P641510

Luminaire Tested: GWS-SA6B-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641510
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-SA6B-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9678.6 lumens
Efficiency: N/A
Efficacy: 69.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

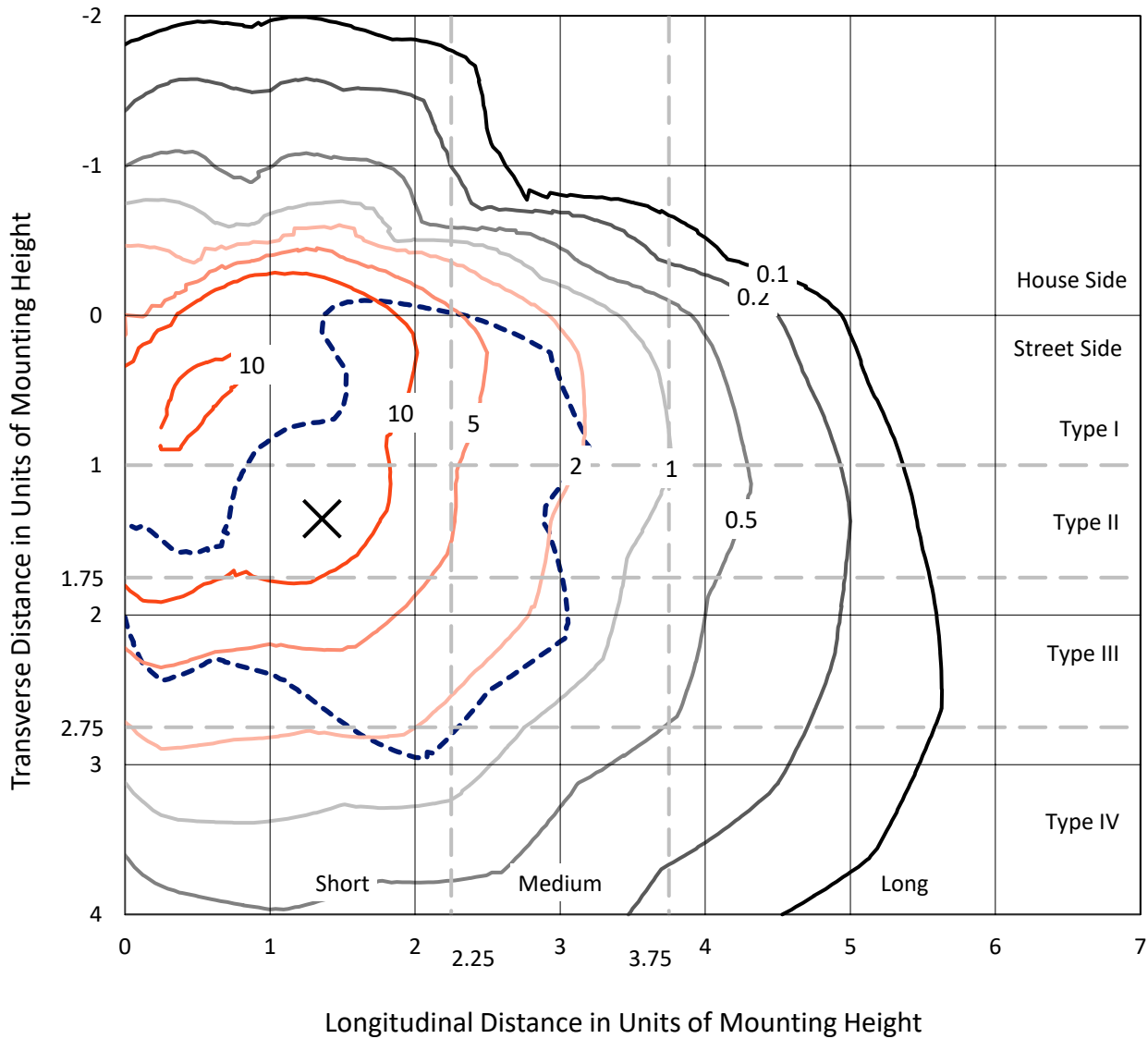
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

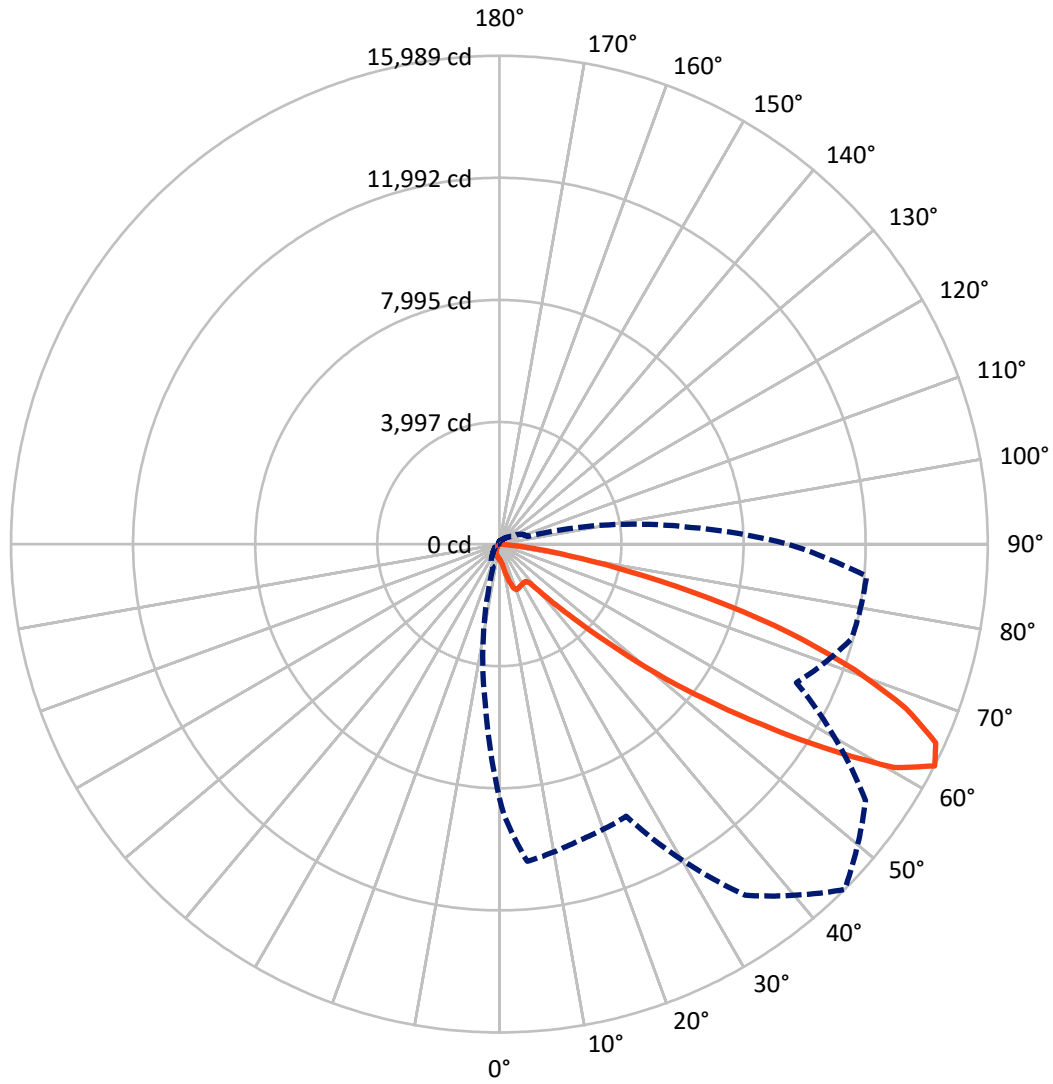
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.7 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	1194.3	0.0	1194.3
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	8484.3	0.0	8484.3
	% Fixture	87.7	0.0	87.7
Total	Lumens	9678.6	0.0	9678.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	0.5
10°-20°	168.7	1.7
20°-30°	366.8	3.8
30°-40°	602.1	6.2
40°-50°	1106.8	11.4
50°-60°	2376.9	24.6
60°-70°	3192.6	33.0
70°-80°	1662.4	17.2
80°-90°	157.6	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°	9678.6	100.0
0°-180°	9678.6	100.0

Coefficient of Utilization

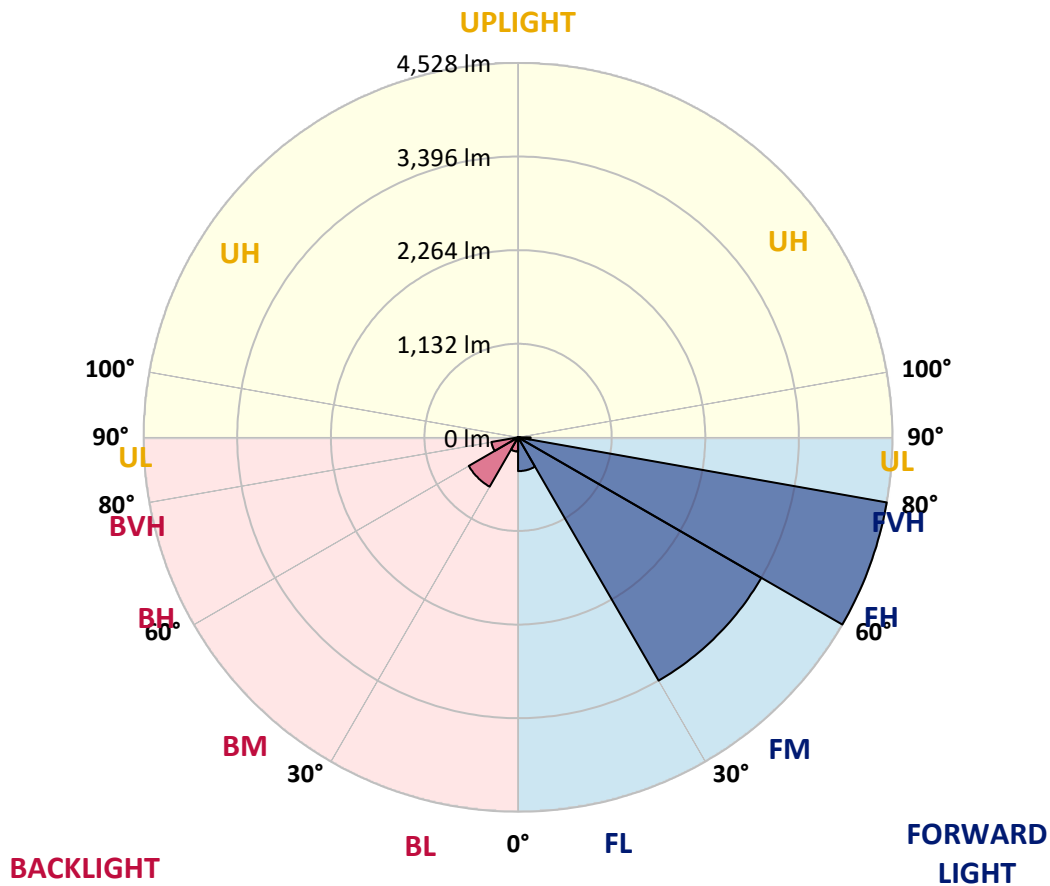


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	408.9	4.2			
FM (30°-60°)	3397.1	35.1			
FH (60°-80°)	4527.7	46.8			G2/5000
FVH (80°-90°)	150.6	1.6			G2/225
BL (0°-30°)	171.3	1.8	B1/500		
BM (30°-60°)	688.7	7.1	B1/1000		
BH (60°-80°)	327.3	3.4	B1/500		G1/500
BVH (80°-90°)	7.0	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-G2
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1
2.5°	513.1	515.4	517.6	525.4	531.0	535.5	536.6	533.3	525.4	517.6	506.4
5°	497.5	499.7	507.6	528.8	550.0	566.8	572.4	569.0	550.0	525.4	499.7
7.5°	496.4	500.8	519.9	564.6	610.4	645.1	654.0	646.2	610.4	561.2	508.7
10°	536.6	544.4	572.4	652.9	736.7	798.2	822.8	789.3	732.3	642.8	556.7
12.5°	641.7	655.1	708.8	826.2	955.9	1037.5	1071.0	1029.6	940.2	810.5	674.1
15°	807.2	827.3	907.8	1083.3	1236.5	1309.1	1320.3	1296.8	1192.9	1049.8	866.4
17.5°	1040.8	1069.9	1195.1	1374.0	1484.7	1510.4	1507.0	1482.4	1406.4	1308.0	1134.7
20°	1320.3	1355.0	1478.0	1625.5	1636.7	1606.5	1589.7	1575.2	1549.5	1532.7	1397.5
22.5°	1602.0	1644.5	1773.1	1810.0	1709.4	1622.2	1580.8	1592.0	1630.0	1712.7	1657.9
25°	1882.7	1922.9	2043.6	1944.1	1742.9	1597.6	1545.0	1571.9	1662.4	1841.3	1911.7
27.5°	2210.2	2240.4	2312.0	2035.8	1748.5	1577.4	1526.0	1567.4	1678.1	1921.8	2190.1
30°	2551.2	2569.1	2534.4	2060.4	1729.5	1547.3	1507.0	1567.4	1704.9	1975.4	2399.2
32.5°	2801.6	2805.0	2692.1	2062.6	1719.4	1522.7	1489.1	1560.7	1730.6	2020.2	2601.5
35°	3059.9	3043.1	2843.0	2096.2	1746.3	1531.6	1502.5	1579.7	1770.9	2072.7	2779.3
37.5°	3321.5	3291.3	3011.8	2151.0	1815.6	1628.9	1611.0	1676.9	1835.7	2145.4	2974.9
40°	3589.8	3548.4	3187.3	2233.7	1969.9	1959.8	2021.3	2013.5	2013.5	2238.2	3176.1
42.5°	3917.4	3869.3	3446.7	2467.4	2329.8	2554.6	2722.2	2618.3	2426.0	2451.7	3437.7
45°	4350.0	4308.6	3896.1	2914.5	2894.4	3410.9	3636.7	3431.0	2952.5	2944.7	3874.9
47.5°	5042.0	5034.2	4612.7	3433.3	3585.3	4500.9	4936.9	4541.2	3552.9	3466.8	4702.2
50°	6014.7	5991.2	5506.0	4041.4	4407.0	5851.4	6629.5	5969.9	4278.5	4076.1	5810.1
52.5°	7110.3	7134.9	6757.0	4705.5	5280.2	7354.0	8437.3	7606.6	5066.6	4850.9	7204.2
55°	8142.1	8283.0	8183.5	5482.5	6133.2	9013.0	10422.8	9402.1	6042.6	5864.8	8767.1
57.5°	8949.3	9346.2	10043.8	6611.6	7136.0	10953.8	12639.7	11348.5	7181.8	7511.6	10894.6
60°	8994.0	9519.5	11139.4	8973.9	8426.1	12618.5	14853.3	13250.1	8972.8	10307.6	12561.5
62.5°	8319.9	8883.4	10426.1	10047.2	9831.4	14034.9	15989.1	14636.4	10734.7	11945.5	12067.3
65°	7548.5	8117.5	9630.2	8829.7	9668.2	13974.6	15700.7	14668.8	10894.6	10832.0	11183.0
67.5°	6382.5	6893.4	8262.9	7815.7	8911.3	13300.4	14368.1	13744.3	10037.1	10131.0	10287.5
70°	4658.6	5150.5	6421.6	6444.0	7782.2	12085.2	12345.7	12259.6	9243.3	9342.8	8895.7
72.5°	3365.1	3779.8	4876.6	5284.6	6212.5	10134.4	9954.4	10286.4	7930.8	8321.0	7144.9
75°	2419.3	2730.1	3577.5	4597.1	4924.6	7526.1	7125.9	7966.6	6363.5	7165.0	5371.8
77.5°	981.6	1091.1	1407.5	3096.8	3236.5	5063.3	4362.3	5786.6	4536.7	4707.8	2603.7
80°	40.2	44.7	58.1	1598.7	2219.2	2848.6	2334.3	3093.4	2996.1	1896.1	614.9
82.5°	4.5	4.5	10.1	460.6	971.5	1571.9	1100.1	1782.0	1517.1	803.8	279.5
85°	1.1	1.1	2.2	52.5	228.1	251.5	148.7	546.7	705.4	328.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	10.1	11.2	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°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1
2.5°	506.4	500.8	494.1	487.4	484.1	475.1	471.8	469.5	467.3	468.4	468.4
5°	489.7	477.4	462.8	448.3	440.5	431.5	427.1	424.8	425.9	430.4	430.4
7.5°	487.4	464.0	432.7	413.6	404.7	398.0	393.5	391.3	392.4	398.0	400.2
10°	524.3	483.0	427.1	394.6	384.6	377.9	373.4	370.0	367.8	372.3	373.4
12.5°	603.7	546.7	453.9	392.4	374.5	365.6	362.2	355.5	352.2	354.4	355.5
15°	768.0	669.7	507.6	401.3	365.6	355.5	349.9	344.3	338.7	337.6	338.7
17.5°	982.7	841.8	589.2	422.6	358.9	346.6	338.7	330.9	323.1	322.0	320.9
20°	1248.8	1053.1	703.2	456.1	353.3	338.7	327.6	316.4	306.3	303.0	303.0
22.5°	1491.4	1308.0	849.7	497.5	345.5	327.6	314.1	300.7	289.6	284.0	282.8
25°	1787.6	1578.6	1025.2	545.6	334.3	313.0	298.5	285.1	273.9	267.2	265.0
27.5°	2086.1	1863.6	1224.2	608.2	320.9	298.5	285.1	272.8	260.5	252.7	250.4
30°	2375.7	2171.1	1447.8	686.4	310.8	284.0	272.8	260.5	249.3	237.0	233.7
32.5°	2686.5	2485.2	1698.2	773.6	303.0	273.9	261.6	250.4	235.9	224.7	219.1
35°	2986.1	2809.4	1974.3	858.6	295.1	265.0	251.5	240.4	224.7	212.4	204.6
37.5°	3287.9	3139.2	2262.8	910.0	284.0	252.7	240.4	231.4	213.5	199.0	190.1
40°	3607.7	3480.2	2574.7	888.8	273.9	239.2	232.5	222.5	202.4	185.6	174.4
42.5°	3958.7	3805.6	2892.2	807.2	265.0	228.1	221.4	211.3	192.3	172.2	157.6
45°	4400.3	4162.2	3152.7	684.2	269.4	216.9	203.5	201.2	183.3	157.6	139.7
47.5°	5159.4	4710.0	3355.0	604.8	299.6	204.6	188.9	194.5	175.5	143.1	123.0
50°	6321.0	5617.8	3544.0	599.2	345.5	199.0	175.5	190.1	167.7	128.6	108.4
52.5°	7427.8	6540.1	3664.7	648.4	385.7	213.5	162.1	184.5	162.1	118.5	98.4
55°	8486.5	7072.3	3448.9	684.2	423.7	257.1	152.0	175.5	155.4	112.9	95.0
57.5°	9627.9	7309.3	2715.5	756.9	450.5	294.0	154.3	162.1	146.5	109.6	93.9
60°	9968.9	7006.3	1638.9	851.9	436.0	305.2	171.0	144.2	134.2	102.9	90.6
62.5°	9439.0	6287.4	967.0	775.9	423.7	288.4	195.6	133.0	121.9	93.9	83.8
65°	8646.3	5311.5	630.5	655.1	449.4	257.1	207.9	127.4	110.7	85.0	73.8
67.5°	7740.8	4278.5	441.6	386.8	414.8	231.4	175.5	126.3	99.5	71.5	60.4
70°	6520.0	3204.1	310.8	256.0	345.5	205.7	136.4	123.0	87.2	58.1	47.0
72.5°	5037.6	2005.6	231.4	165.5	246.0	167.7	108.4	104.0	70.4	48.1	35.8
75°	3715.0	1143.7	163.2	119.6	162.1	127.4	80.5	73.8	60.4	45.8	32.4
77.5°	1939.7	572.4	101.7	91.7	92.8	79.4	58.1	53.7	55.9	45.8	30.2
80°	372.3	114.0	61.5	67.1	50.3	50.3	42.5	44.7	49.2	36.9	25.7
82.5°	155.4	24.6	33.5	38.0	31.3	34.7	34.7	35.8	34.7	26.8	19.0
85°	0.0	0.0	14.5	15.7	21.2	21.2	17.9	17.9	17.9	15.7	11.2
87.5°	0.0	0.0	0.0	0.0	1.1	3.4	6.7	7.8	8.9	6.7	4.5
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°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1
2.5°	467.3	465.1	468.4	470.7	472.9	472.9	470.7	468.4	465.1	468.4	465.1
5°	431.5	434.9	440.5	442.7	445.0	440.5	438.2	431.5	425.9	427.1	424.8
7.5°	403.6	406.9	413.6	418.1	418.1	415.9	409.2	402.5	393.5	393.5	392.4
10°	377.9	382.3	390.2	395.8	398.0	395.8	389.1	380.1	372.3	372.3	368.9
12.5°	356.6	362.2	371.2	379.0	381.2	379.0	372.3	363.3	354.4	354.4	352.2
15°	338.7	345.5	355.5	364.5	367.8	364.5	356.6	345.5	336.5	337.6	334.3
17.5°	322.0	327.6	341.0	351.0	354.4	351.0	341.0	326.4	317.5	319.7	317.5
20°	303.0	309.7	323.1	334.3	337.6	334.3	323.1	307.4	298.5	298.5	299.6
22.5°	282.8	289.6	303.0	310.8	315.3	311.9	300.7	286.2	277.3	277.3	278.4
25°	265.0	268.3	278.4	286.2	287.3	284.0	275.0	263.8	257.1	260.5	261.6
27.5°	248.2	248.2	252.7	257.1	256.0	252.7	249.3	240.4	239.2	242.6	246.0
30°	230.3	224.7	222.5	219.1	218.0	216.9	220.2	220.2	222.5	226.9	230.3
32.5°	214.6	203.5	193.4	183.3	177.8	182.2	191.2	199.0	206.8	213.5	216.9
35°	196.8	178.9	162.1	148.7	139.7	146.5	161.0	175.5	188.9	197.9	203.5
37.5°	178.9	153.2	133.0	116.3	109.6	115.2	130.8	150.9	171.0	182.2	190.1
40°	159.9	127.4	104.0	90.6	83.8	89.4	105.1	125.2	152.0	166.6	176.6
42.5°	140.9	105.1	83.8	70.4	67.1	70.4	82.7	102.9	131.9	149.8	163.2
45°	121.9	87.2	67.1	57.0	53.7	57.0	67.1	83.8	112.9	133.0	148.7
47.5°	105.1	73.8	55.9	47.0	44.7	48.1	55.9	70.4	95.0	115.2	133.0
50°	91.7	64.8	48.1	40.2	38.0	41.4	48.1	59.3	80.5	98.4	117.4
52.5°	82.7	60.4	42.5	34.7	33.5	35.8	41.4	50.3	68.2	83.8	101.7
55°	80.5	60.4	39.1	31.3	30.2	32.4	36.9	43.6	59.3	72.7	88.3
57.5°	82.7	64.8	36.9	26.8	25.7	27.9	32.4	38.0	51.4	62.6	77.1
60°	82.7	66.0	32.4	21.2	20.1	22.4	26.8	33.5	45.8	54.8	67.1
62.5°	74.9	60.4	26.8	16.8	14.5	16.8	22.4	27.9	40.2	49.2	59.3
65°	64.8	51.4	22.4	12.3	10.1	12.3	17.9	23.5	34.7	42.5	53.7
67.5°	52.5	39.1	16.8	8.9	6.7	8.9	13.4	19.0	29.1	36.9	48.1
70°	39.1	27.9	13.4	7.8	6.7	7.8	12.3	17.9	25.7	33.5	44.7
72.5°	29.1	19.0	11.2	7.8	5.6	7.8	11.2	16.8	24.6	32.4	42.5
75°	24.6	15.7	10.1	6.7	5.6	6.7	10.1	15.7	22.4	30.2	40.2
77.5°	23.5	14.5	8.9	5.6	4.5	5.6	8.9	13.4	20.1	27.9	39.1
80°	20.1	12.3	7.8	4.5	3.4	4.5	7.8	11.2	15.7	21.2	30.2
82.5°	15.7	10.1	5.6	2.2	1.1	2.2	5.6	6.7	10.1	12.3	17.9
85°	10.1	5.6	2.2	0.0	0.0	0.0	2.2	4.5	4.5	5.6	8.9
87.5°	4.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.4
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°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1
2.5°	471.8	472.9	475.1	478.5	486.3	493.0	499.7	508.7	513.1	513.1
5°	427.1	428.2	429.3	433.8	445.0	453.9	468.4	486.3	495.3	497.5
7.5°	392.4	394.6	396.9	400.2	411.4	423.7	442.7	476.3	493.0	496.4
10°	372.3	375.6	380.1	386.8	396.9	410.3	442.7	503.1	531.0	536.6
12.5°	356.6	362.2	366.7	374.5	386.8	408.1	472.9	579.1	628.3	641.7
15°	341.0	347.7	354.4	362.2	375.6	415.9	531.0	715.5	797.1	807.2
17.5°	325.3	333.2	342.1	351.0	367.8	434.9	622.7	904.4	1018.5	1040.8
20°	307.4	317.5	329.8	341.0	360.0	465.1	750.2	1129.1	1272.2	1320.3
22.5°	288.4	300.7	315.3	329.8	351.0	502.0	904.4	1370.6	1570.7	1602.0
25°	272.8	285.1	298.5	313.0	336.5	546.7	1091.1	1670.2	1852.5	1882.7
27.5°	258.3	270.5	282.8	296.3	322.0	604.8	1315.8	1988.9	2178.9	2210.2
30°	242.6	257.1	269.4	282.8	308.6	676.4	1575.2	2342.1	2522.1	2551.2
32.5°	229.2	243.7	256.0	269.4	298.5	754.6	1848.0	2655.2	2801.6	2801.6
35°	218.0	233.7	242.6	260.5	290.7	804.9	2106.2	2953.7	3064.3	3059.9
37.5°	205.7	224.7	231.4	243.7	280.6	810.5	2348.8	3268.9	3350.5	3321.5
40°	193.4	213.5	223.6	230.3	269.4	764.7	2614.9	3558.5	3627.8	3589.8
42.5°	182.2	197.9	212.4	220.2	262.7	684.2	2828.5	3868.2	3950.9	3917.4
45°	171.0	184.5	193.4	207.9	267.2	628.3	3011.8	4229.3	4374.6	4350.0
47.5°	159.9	171.0	176.6	199.0	297.4	602.6	3123.6	4788.2	5062.1	5042.0
50°	147.6	161.0	161.0	196.8	342.1	611.5	3220.9	5597.7	6021.4	6014.7
52.5°	135.3	149.8	147.6	213.5	376.8	652.9	3331.5	6312.0	7048.8	7110.3
55°	123.0	136.4	138.6	247.1	396.9	688.7	2903.4	6612.8	7926.4	8142.1
57.5°	109.6	117.4	144.2	272.8	390.2	792.6	1988.9	6667.5	8486.5	8949.3
60°	95.0	101.7	163.2	267.2	368.9	732.3	1252.1	6175.6	8407.1	8994.0
62.5°	82.7	93.9	172.2	235.9	375.6	635.0	798.2	5263.4	7650.2	8319.9
65°	72.7	90.6	156.5	213.5	380.1	430.4	538.9	4281.8	6911.3	7548.5
67.5°	64.8	100.6	128.6	190.1	326.4	303.0	370.0	3327.1	5811.2	6382.5
70°	59.3	102.9	105.1	163.2	252.7	194.5	243.7	2239.3	4005.7	4658.6
72.5°	53.7	76.0	79.4	130.8	163.2	118.5	157.6	1281.2	2920.1	3365.1
75°	51.4	51.4	54.8	85.0	90.6	86.1	101.7	764.7	2093.9	2419.3
77.5°	48.1	39.1	34.7	54.8	49.2	61.5	60.4	339.9	907.8	981.6
80°	38.0	27.9	23.5	34.7	33.5	41.4	35.8	27.9	41.4	40.2
82.5°	23.5	17.9	16.8	21.2	19.0	21.2	16.8	4.5	4.5	4.5
85°	11.2	10.1	8.9	8.9	10.1	8.9	6.7	2.2	1.1	1.1
87.5°	5.6	5.6	4.5	3.4	4.5	4.5	3.4	1.1	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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