

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: P632105

Luminaire Tested: GWS-SA2C-722-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632105
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-SA2C-722-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4230.8 lumens
Efficiency: N/A
Efficacy: 66.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

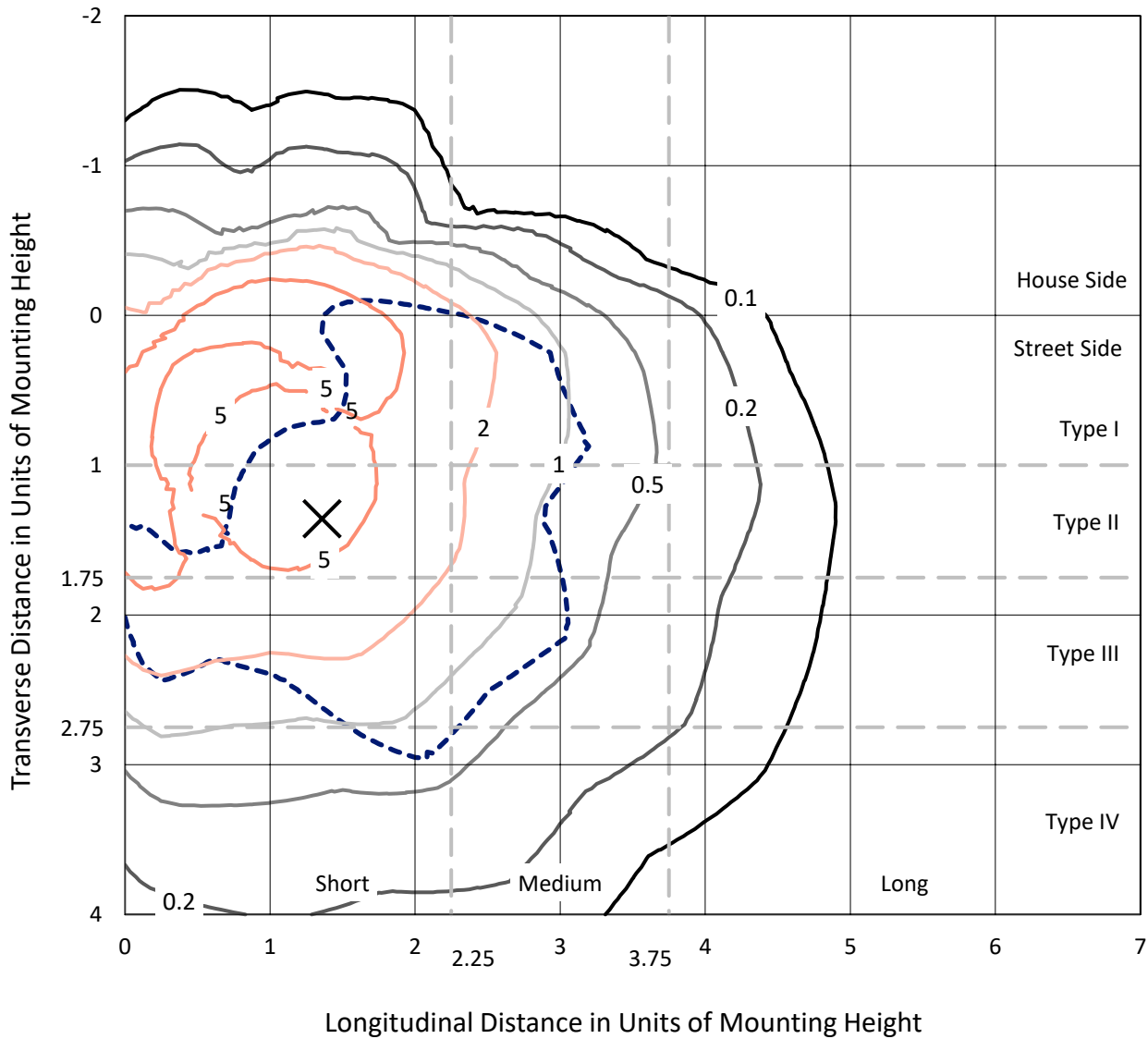
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

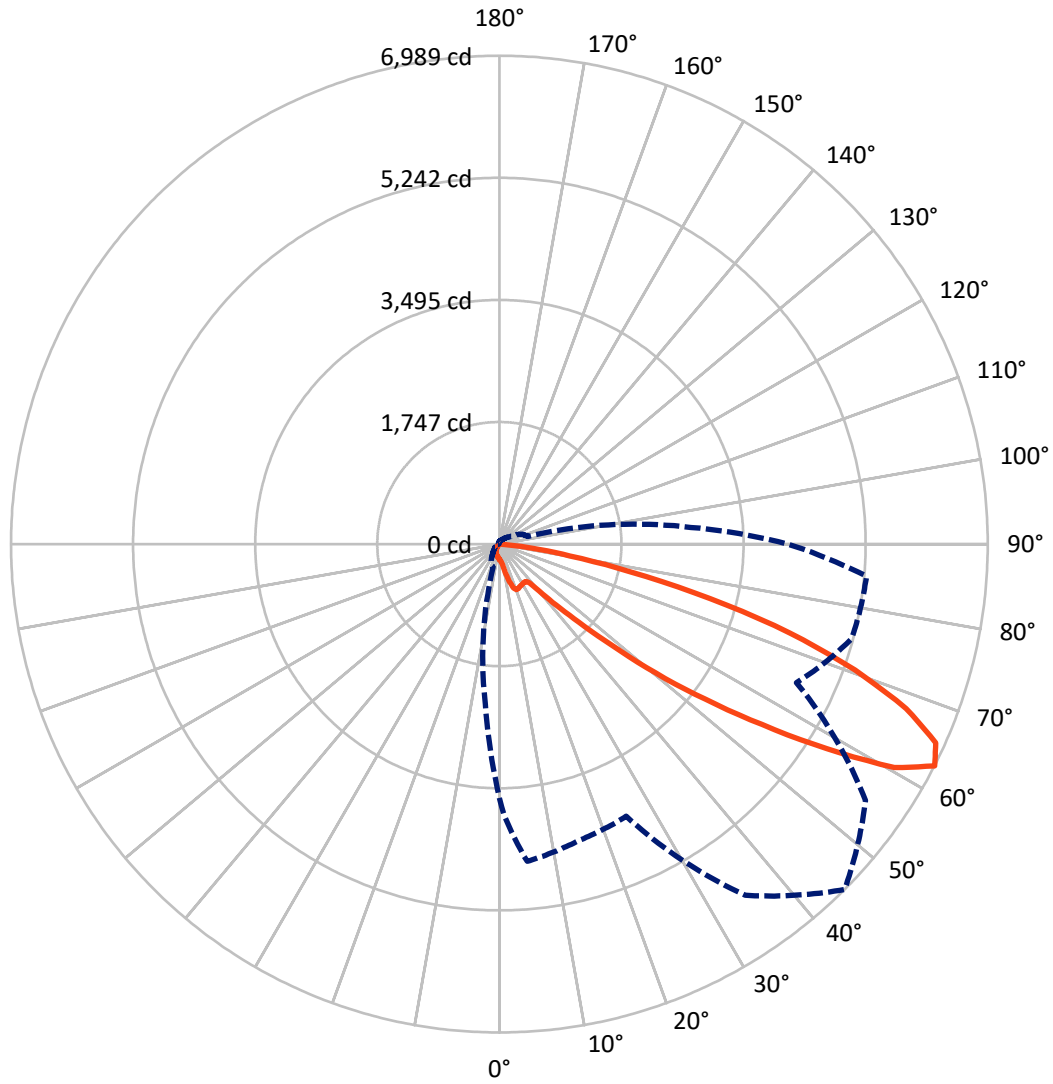
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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	522.1	0.0	522.1
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	3708.7	0.0	3708.7
	% Fixture	87.7	0.0	87.7
Total	Lumens	4230.8	0.0	4230.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.5
10°-20°	73.8	1.7
20°-30°	160.3	3.8
30°-40°	263.2	6.2
40°-50°	483.8	11.4
50°-60°	1039.0	24.6
60°-70°	1395.6	33.0
70°-80°	726.7	17.2
80°-90°	68.9	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°	4230.8	100.0
0°-180°	4230.8	100.0

Coefficient of Utilization



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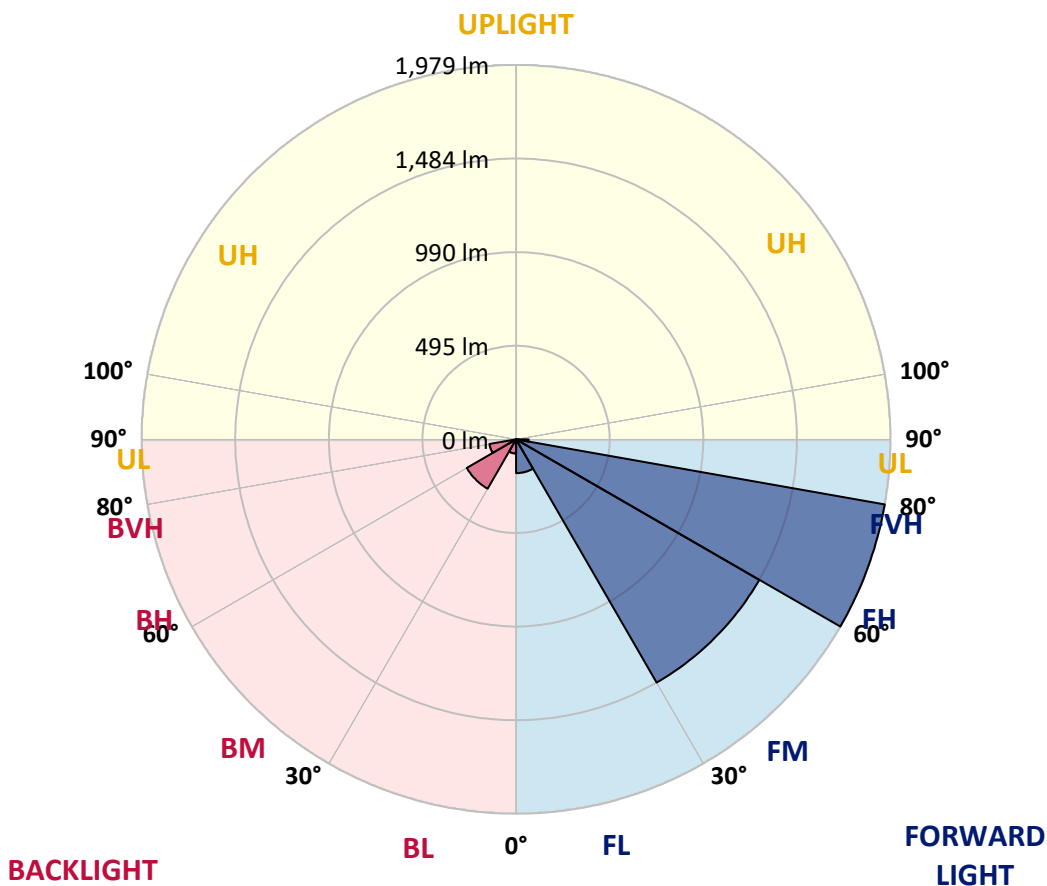
CATALOG NUMBER: GWS-SA2C-722-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	178.7	4.2			
FM (30°-60°)	1485.0	35.1			
FH (60°-80°)	1979.2	46.8			G2/5000
FVH (80°-90°)	65.8	1.6			G1/100
BL (0°-30°)	74.9	1.8	B0/110		
BM (30°-60°)	301.1	7.1	B1/1000		
BH (60°-80°)	143.1	3.4	B1/500		G1/500
BVH (80°-90°)	3.1	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9
2.5°	224.3	225.3	226.3	229.7	232.1	234.1	234.6	233.1	229.7	226.3	221.4
5°	217.5	218.4	221.9	231.2	240.4	247.8	250.2	248.7	240.4	229.7	218.4
7.5°	217.0	218.9	227.2	246.8	266.8	282.0	285.9	282.5	266.8	245.3	222.4
10°	234.6	238.0	250.2	285.4	322.1	348.9	359.7	345.0	320.1	281.0	243.4
12.5°	280.5	286.4	309.8	361.1	417.8	453.5	468.2	450.1	411.0	354.3	294.7
15°	352.8	361.6	396.8	473.5	540.5	572.3	577.1	566.9	521.4	458.9	378.7
17.5°	455.0	467.7	522.4	600.6	649.0	660.2	658.8	648.0	614.8	571.8	496.0
20°	577.1	592.3	646.1	710.6	715.5	702.3	694.9	688.6	677.3	670.0	610.9
22.5°	700.3	718.9	775.1	791.2	747.2	709.1	691.0	695.9	712.5	748.7	724.7
25°	823.0	840.6	893.3	849.8	761.9	698.3	675.4	687.1	726.7	804.9	835.7
27.5°	966.2	979.3	1010.6	889.9	764.3	689.5	667.1	685.2	733.5	840.1	957.4
30°	1115.2	1123.0	1107.9	900.7	756.0	676.4	658.8	685.2	745.3	863.5	1048.7
32.5°	1224.7	1226.1	1176.8	901.6	751.6	665.6	650.9	682.2	756.5	883.1	1137.2
35°	1337.6	1330.2	1242.8	916.3	763.3	669.5	656.8	690.5	774.1	906.0	1214.9
37.5°	1451.9	1438.7	1316.5	940.3	793.6	712.0	704.2	733.0	802.4	937.8	1300.4
40°	1569.2	1551.1	1393.3	976.4	861.1	856.7	883.6	880.1	880.1	978.4	1388.4
42.5°	1712.4	1691.4	1506.6	1078.6	1018.4	1116.7	1190.0	1144.5	1060.5	1071.7	1502.7
45°	1901.5	1883.4	1703.1	1274.0	1265.2	1491.0	1589.7	1499.8	1290.6	1287.2	1693.8
47.5°	2204.0	2200.6	2016.4	1500.8	1567.2	1967.5	2158.1	1985.1	1553.1	1515.4	2055.5
50°	2629.2	2618.9	2406.8	1766.6	1926.4	2557.8	2898.0	2609.6	1870.2	1781.8	2539.8
52.5°	3108.1	3118.9	2953.7	2056.9	2308.1	3214.6	3688.2	3325.1	2214.8	2120.5	3149.2
55°	3559.2	3620.7	3577.3	2396.6	2681.0	3939.9	4556.1	4109.9	2641.4	2563.7	3832.4
57.5°	3912.0	4085.5	4390.4	2890.1	3119.3	4788.2	5525.2	4960.7	3139.4	3283.5	4762.3
60°	3931.6	4161.2	4869.4	3922.8	3683.3	5515.9	6492.8	5792.0	3922.3	4505.8	5491.0
62.5°	3636.9	3883.2	4557.6	4391.9	4297.6	6135.1	6989.3	6398.0	4692.5	5221.7	5275.0
65°	3299.7	3548.4	4209.6	3859.7	4226.2	6108.7	6863.2	6412.2	4762.3	4735.0	4888.4
67.5°	2790.0	3013.3	3611.9	3416.5	3895.4	5814.0	6280.7	6008.0	4387.5	4428.6	4497.0
70°	2036.4	2251.4	2807.1	2816.8	3401.8	5282.8	5396.7	5359.0	4040.5	4084.0	3888.6
72.5°	1471.0	1652.3	2131.7	2310.1	2715.7	4430.0	4351.3	4496.5	3466.8	3637.4	3123.3
75°	1057.5	1193.4	1563.8	2009.5	2152.7	3289.9	3114.9	3482.4	2781.7	3132.1	2348.2
77.5°	429.1	477.0	615.3	1353.7	1414.8	2213.3	1906.9	2529.5	1983.1	2057.9	1138.2
80°	17.6	19.5	25.4	698.8	970.1	1245.2	1020.4	1352.2	1309.7	828.8	268.8
82.5°	2.0	2.0	4.4	201.3	424.7	687.1	480.9	779.0	663.2	351.4	122.2
85°	0.5	0.5	1.0	23.0	99.7	110.0	65.0	239.0	308.4	143.7	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	4.4	4.9	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°	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9
2.5°	221.4	218.9	216.0	213.1	211.6	207.7	206.2	205.3	204.3	204.8	204.8
5°	214.0	208.7	202.3	196.0	192.5	188.6	186.7	185.7	186.2	188.1	188.1
7.5°	213.1	202.8	189.1	180.8	176.9	174.0	172.0	171.0	171.5	174.0	175.0
10°	229.2	211.1	186.7	172.5	168.1	165.2	163.2	161.8	160.8	162.7	163.2
12.5°	263.9	239.0	198.4	171.5	163.7	159.8	158.3	155.4	153.9	154.9	155.4
15°	335.7	292.7	221.9	175.4	159.8	155.4	153.0	150.5	148.1	147.6	148.1
17.5°	429.6	368.0	257.5	184.7	156.9	151.5	148.1	144.7	141.2	140.7	140.3
20°	545.9	460.4	307.4	199.4	154.4	148.1	143.2	138.3	133.9	132.4	132.4
22.5°	651.9	571.8	371.4	217.5	151.0	143.2	137.3	131.5	126.6	124.1	123.6
25°	781.4	690.0	448.1	238.5	146.1	136.8	130.5	124.6	119.7	116.8	115.8
27.5°	911.9	814.7	535.1	265.9	140.3	130.5	124.6	119.2	113.9	110.4	109.5
30°	1038.5	949.0	632.9	300.1	135.9	124.1	119.2	113.9	109.0	103.6	102.1
32.5°	1174.3	1086.4	742.3	338.2	132.4	119.7	114.4	109.5	103.1	98.2	95.8
35°	1305.3	1228.1	863.0	375.3	129.0	115.8	110.0	105.1	98.2	92.9	89.4
37.5°	1437.3	1372.3	989.1	397.8	124.1	110.4	105.1	101.2	93.3	87.0	83.1
40°	1577.0	1521.3	1125.5	388.5	119.7	104.6	101.6	97.3	88.5	81.1	76.2
42.5°	1730.5	1663.5	1264.3	352.8	115.8	99.7	96.8	92.4	84.1	75.3	68.9
45°	1923.5	1819.4	1378.1	299.1	117.8	94.8	88.9	88.0	80.1	68.9	61.1
47.5°	2255.3	2058.9	1466.6	264.4	131.0	89.4	82.6	85.0	76.7	62.6	53.8
50°	2763.1	2455.7	1549.2	261.9	151.0	87.0	76.7	83.1	73.3	56.2	47.4
52.5°	3246.9	2858.9	1601.9	283.4	168.6	93.3	70.9	80.6	70.9	51.8	43.0
55°	3709.7	3091.5	1507.6	299.1	185.2	112.4	66.5	76.7	67.9	49.4	41.5
57.5°	4208.6	3195.1	1187.0	330.8	196.9	128.5	67.4	70.9	64.0	47.9	41.1
60°	4357.7	3062.7	716.4	372.4	190.6	133.4	74.8	63.0	58.6	45.0	39.6
62.5°	4126.1	2748.4	422.7	339.2	185.2	126.1	85.5	58.2	53.3	41.1	36.7
65°	3779.6	2321.8	275.6	286.4	196.5	112.4	90.9	55.7	48.4	37.1	32.3
67.5°	3383.7	1870.2	193.0	169.1	181.3	101.2	76.7	55.2	43.5	31.3	26.4
70°	2850.1	1400.6	135.9	111.9	151.0	89.9	59.6	53.8	38.1	25.4	20.5
72.5°	2202.1	876.7	101.2	72.3	107.5	73.3	47.4	45.4	30.8	21.0	15.6
75°	1623.9	499.9	71.3	52.3	70.9	55.7	35.2	32.3	26.4	20.0	14.2
77.5°	847.9	250.2	44.5	40.1	40.6	34.7	25.4	23.5	24.4	20.0	13.2
80°	162.7	49.8	26.9	29.3	22.0	22.0	18.6	19.5	21.5	16.1	11.2
82.5°	67.9	10.8	14.7	16.6	13.7	15.1	15.1	15.6	15.1	11.7	8.3
85°	0.0	0.0	6.4	6.8	9.3	9.3	7.8	7.8	7.8	6.8	4.9
87.5°	0.0	0.0	0.0	0.0	0.5	1.5	2.9	3.4	3.9	2.9	2.0
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°	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9
2.5°	204.3	203.3	204.8	205.7	206.7	206.7	205.7	204.8	203.3	204.8	203.3
5°	188.6	190.1	192.5	193.5	194.5	192.5	191.6	188.6	186.2	186.7	185.7
7.5°	176.4	177.9	180.8	182.8	182.8	181.8	178.9	175.9	172.0	172.0	171.5
10°	165.2	167.1	170.6	173.0	174.0	173.0	170.1	166.2	162.7	162.7	161.3
12.5°	155.9	158.3	162.2	165.7	166.6	165.7	162.7	158.8	154.9	154.9	153.9
15°	148.1	151.0	155.4	159.3	160.8	159.3	155.9	151.0	147.1	147.6	146.1
17.5°	140.7	143.2	149.1	153.5	154.9	153.5	149.1	142.7	138.8	139.8	138.8
20°	132.4	135.4	141.2	146.1	147.6	146.1	141.2	134.4	130.5	130.5	131.0
22.5°	123.6	126.6	132.4	135.9	137.8	136.3	131.5	125.1	121.2	121.2	121.7
25°	115.8	117.3	121.7	125.1	125.6	124.1	120.2	115.3	112.4	113.9	114.4
27.5°	108.5	108.5	110.4	112.4	111.9	110.4	109.0	105.1	104.6	106.0	107.5
30°	100.7	98.2	97.3	95.8	95.3	94.8	96.3	96.3	97.3	99.2	100.7
32.5°	93.8	88.9	84.5	80.1	77.7	79.7	83.6	87.0	90.4	93.3	94.8
35°	86.0	78.2	70.9	65.0	61.1	64.0	70.4	76.7	82.6	86.5	88.9
37.5°	78.2	67.0	58.2	50.8	47.9	50.3	57.2	66.0	74.8	79.7	83.1
40°	69.9	55.7	45.4	39.6	36.7	39.1	45.9	54.7	66.5	72.8	77.2
42.5°	61.6	45.9	36.7	30.8	29.3	30.8	36.2	45.0	57.7	65.5	71.3
45°	53.3	38.1	29.3	24.9	23.5	24.9	29.3	36.7	49.4	58.2	65.0
47.5°	45.9	32.3	24.4	20.5	19.5	21.0	24.4	30.8	41.5	50.3	58.2
50°	40.1	28.3	21.0	17.6	16.6	18.1	21.0	25.9	35.2	43.0	51.3
52.5°	36.2	26.4	18.6	15.1	14.7	15.6	18.1	22.0	29.8	36.7	44.5
55°	35.2	26.4	17.1	13.7	13.2	14.2	16.1	19.1	25.9	31.8	38.6
57.5°	36.2	28.3	16.1	11.7	11.2	12.2	14.2	16.6	22.5	27.4	33.7
60°	36.2	28.8	14.2	9.3	8.8	9.8	11.7	14.7	20.0	23.9	29.3
62.5°	32.7	26.4	11.7	7.3	6.4	7.3	9.8	12.2	17.6	21.5	25.9
65°	28.3	22.5	9.8	5.4	4.4	5.4	7.8	10.3	15.1	18.6	23.5
67.5°	23.0	17.1	7.3	3.9	2.9	3.9	5.9	8.3	12.7	16.1	21.0
70°	17.1	12.2	5.9	3.4	2.9	3.4	5.4	7.8	11.2	14.7	19.5
72.5°	12.7	8.3	4.9	3.4	2.4	3.4	4.9	7.3	10.8	14.2	18.6
75°	10.8	6.8	4.4	2.9	2.4	2.9	4.4	6.8	9.8	13.2	17.6
77.5°	10.3	6.4	3.9	2.4	2.0	2.4	3.9	5.9	8.8	12.2	17.1
80°	8.8	5.4	3.4	2.0	1.5	2.0	3.4	4.9	6.8	9.3	13.2
82.5°	6.8	4.4	2.4	1.0	0.5	1.0	2.4	2.9	4.4	5.4	7.8
85°	4.4	2.4	1.0	0.0	0.0	0.0	1.0	2.0	2.0	2.4	3.9
87.5°	2.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9	219.9
2.5°	206.2	206.7	207.7	209.2	212.6	215.5	218.4	222.4	224.3	224.3
5°	186.7	187.2	187.7	189.6	194.5	198.4	204.8	212.6	216.5	217.5
7.5°	171.5	172.5	173.5	175.0	179.8	185.2	193.5	208.2	215.5	217.0
10°	162.7	164.2	166.2	169.1	173.5	179.4	193.5	219.9	232.1	234.6
12.5°	155.9	158.3	160.3	163.7	169.1	178.4	206.7	253.1	274.6	280.5
15°	149.1	152.0	154.9	158.3	164.2	181.8	232.1	312.8	348.4	352.8
17.5°	142.2	145.6	149.5	153.5	160.8	190.1	272.2	395.4	445.2	455.0
20°	134.4	138.8	144.2	149.1	157.4	203.3	327.9	493.6	556.1	577.1
22.5°	126.1	131.5	137.8	144.2	153.5	219.4	395.4	599.1	686.6	700.3
25°	119.2	124.6	130.5	136.8	147.1	239.0	477.0	730.1	809.8	823.0
27.5°	112.9	118.3	123.6	129.5	140.7	264.4	575.2	869.4	952.5	966.2
30°	106.0	112.4	117.8	123.6	134.9	295.7	688.6	1023.8	1102.5	1115.2
32.5°	100.2	106.5	111.9	117.8	130.5	329.9	807.8	1160.7	1224.7	1224.7
35°	95.3	102.1	106.0	113.9	127.1	351.9	920.7	1291.1	1339.5	1337.6
37.5°	89.9	98.2	101.2	106.5	122.7	354.3	1026.7	1428.9	1464.6	1451.9
40°	84.5	93.3	97.7	100.7	117.8	334.3	1143.1	1555.5	1585.8	1569.2
42.5°	79.7	86.5	92.9	96.3	114.8	299.1	1236.4	1690.9	1727.1	1712.4
45°	74.8	80.6	84.5	90.9	116.8	274.6	1316.5	1848.7	1912.3	1901.5
47.5°	69.9	74.8	77.2	87.0	130.0	263.4	1365.4	2093.1	2212.8	2204.0
50°	64.5	70.4	70.4	86.0	149.5	267.3	1407.9	2446.9	2632.1	2629.2
52.5°	59.1	65.5	64.5	93.3	164.7	285.4	1456.3	2759.2	3081.2	3108.1
55°	53.8	59.6	60.6	108.0	173.5	301.0	1269.1	2890.6	3464.9	3559.2
57.5°	47.9	51.3	63.0	119.2	170.6	346.5	869.4	2914.6	3709.7	3912.0
60°	41.5	44.5	71.3	116.8	161.3	320.1	547.3	2699.6	3675.0	3931.6
62.5°	36.2	41.1	75.3	103.1	164.2	277.6	348.9	2300.8	3344.1	3636.9
65°	31.8	39.6	68.4	93.3	166.2	188.1	235.6	1871.7	3021.1	3299.7
67.5°	28.3	44.0	56.2	83.1	142.7	132.4	161.8	1454.4	2540.2	2790.0
70°	25.9	45.0	45.9	71.3	110.4	85.0	106.5	978.9	1751.0	2036.4
72.5°	23.5	33.2	34.7	57.2	71.3	51.8	68.9	560.0	1276.5	1471.0
75°	22.5	22.5	23.9	37.1	39.6	37.6	44.5	334.3	915.3	1057.5
77.5°	21.0	17.1	15.1	23.9	21.5	26.9	26.4	148.6	396.8	429.1
80°	16.6	12.2	10.3	15.1	14.7	18.1	15.6	12.2	18.1	17.6
82.5°	10.3	7.8	7.3	9.3	8.3	9.3	7.3	2.0	2.0	2.0
85°	4.9	4.4	3.9	3.9	4.4	3.9	2.9	1.0	0.5	0.5
87.5°	2.4	2.4	2.0	1.5	2.0	2.0	1.5	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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