

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: P631445

Luminaire Tested: GWS-SA1F-760-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631445
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-SA1F-760-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5275 lumens
Efficiency: N/A
Efficacy: 78.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

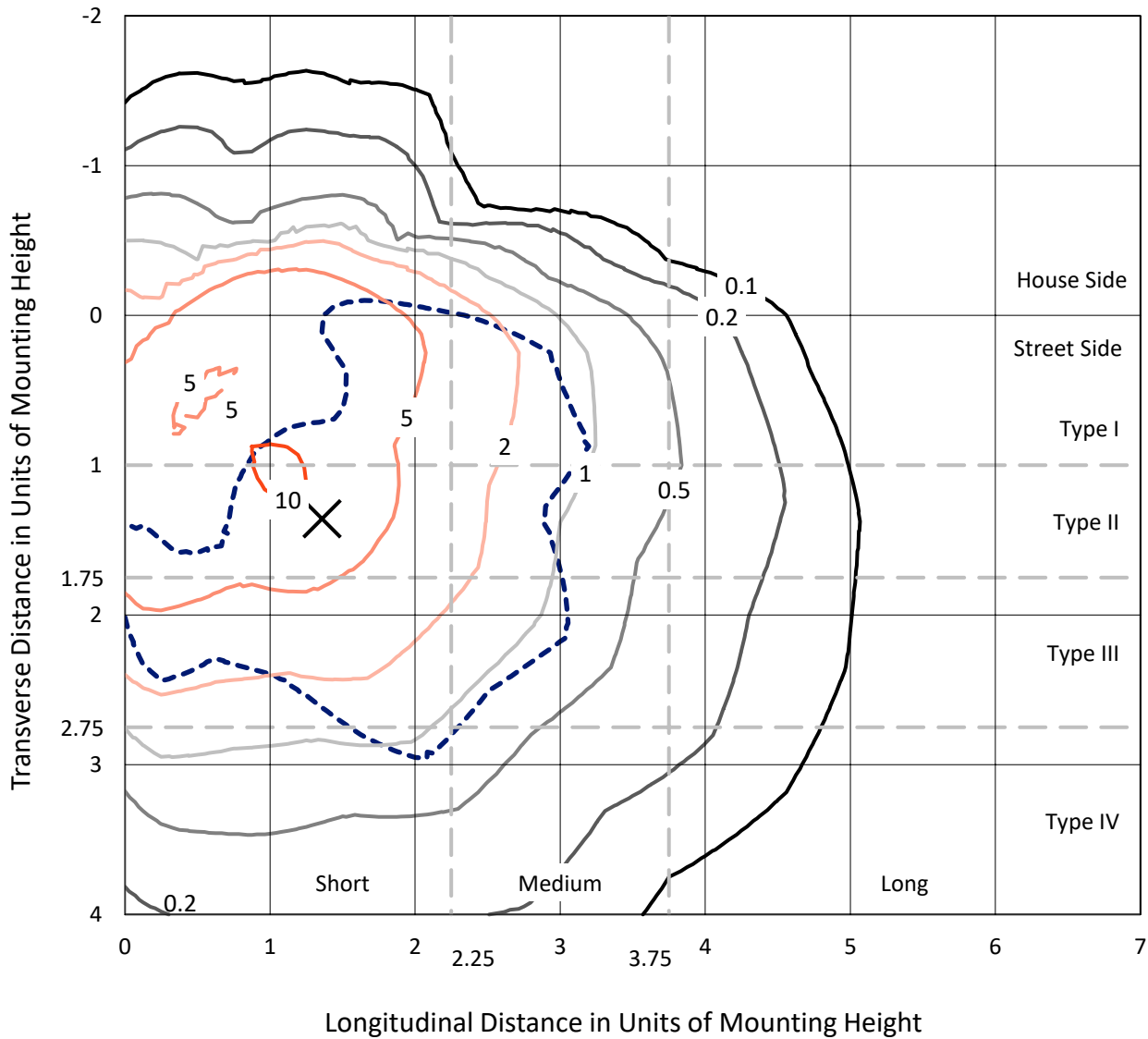
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

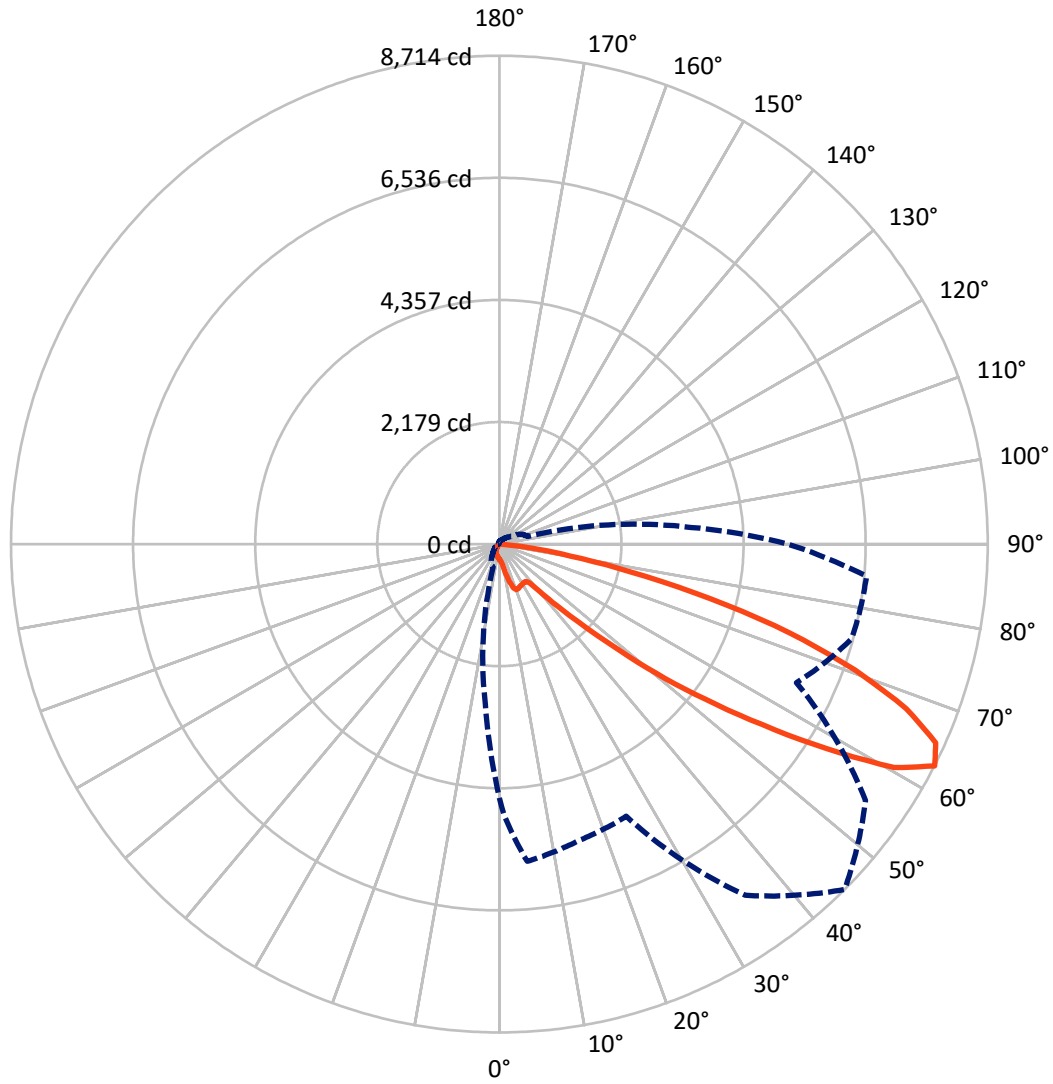
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 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	650.9	0.0	650.9
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	4624.1	0.0	4624.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	5275.0	0.0	5275.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.3	0.5
10°-20°	92.0	1.7
20°-30°	199.9	3.8
30°-40°	328.1	6.2
40°-50°	603.2	11.4
50°-60°	1295.5	24.6
60°-70°	1740.0	33.0
70°-80°	906.0	17.2
80°-90°	85.9	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°	5275.0	100.0
0°-180°	5275.0	100.0

Coefficient of Utilization

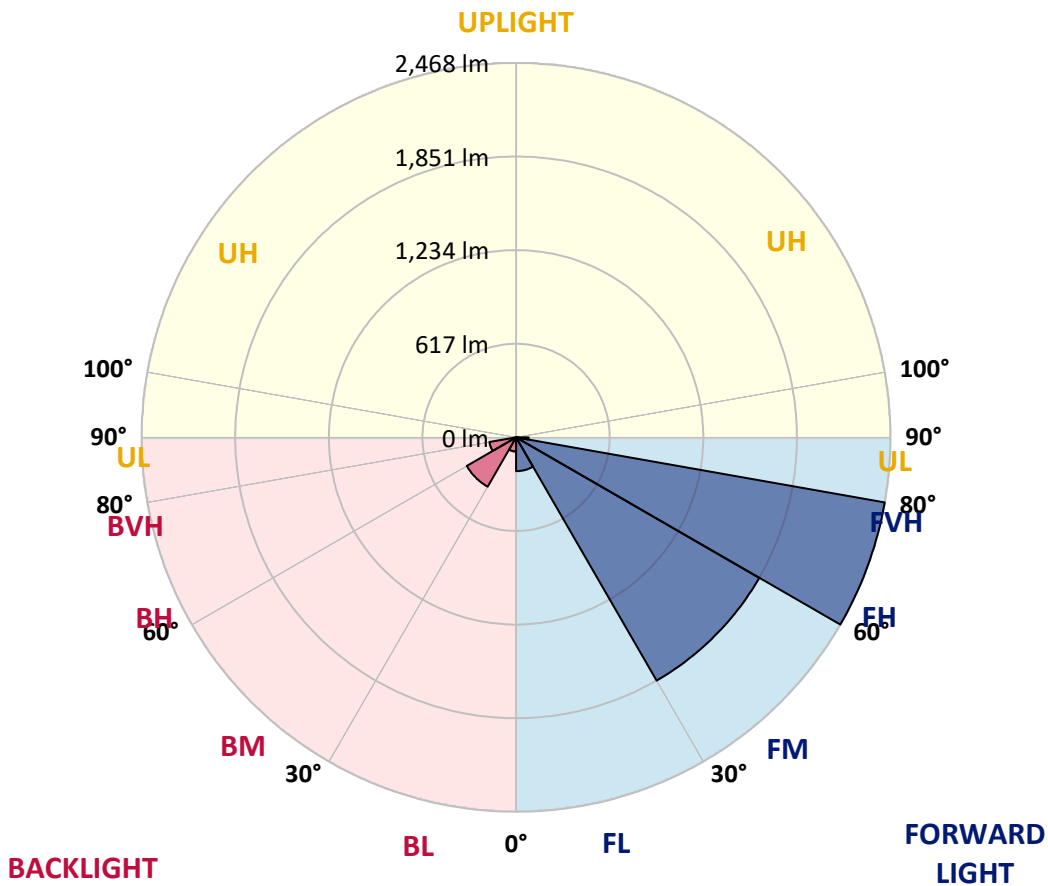


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	222.8	4.2			
FM (30°-60°)	1851.5	35.1			
FH (60°-80°)	2467.7	46.8			G2/5000
FVH (80°-90°)	82.1	1.6			G1/100
BL (0°-30°)	93.4	1.8	B0/110		
BM (30°-60°)	375.4	7.1	B1/1000		
BH (60°-80°)	178.4	3.4	B1/500		G1/500
BVH (80°-90°)	3.8	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°	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2
2.5°	279.7	280.9	282.1	286.4	289.4	291.9	292.5	290.6	286.4	282.1	276.0
5°	271.1	272.4	276.6	288.2	299.8	308.9	312.0	310.1	299.8	286.4	272.4
7.5°	270.5	273.0	283.3	307.7	332.7	351.6	356.4	352.2	332.7	305.9	277.2
10°	292.5	296.7	312.0	355.8	401.5	435.0	448.5	430.2	399.1	350.4	303.4
12.5°	349.7	357.1	386.3	450.3	521.0	565.4	583.7	561.2	512.4	441.7	367.4
15°	439.9	450.9	494.8	590.4	673.9	713.5	719.6	706.8	650.1	572.1	472.2
17.5°	567.3	583.1	651.4	748.8	809.2	823.2	821.4	807.9	766.5	712.9	618.4
20°	719.6	738.5	805.5	885.9	892.0	875.6	866.4	858.5	844.5	835.4	761.6
22.5°	873.1	896.3	966.4	986.5	931.6	884.1	861.6	867.7	888.4	933.5	903.6
25°	1026.1	1048.0	1113.8	1059.6	949.9	870.7	842.1	856.7	906.0	1003.5	1041.9
27.5°	1204.6	1221.1	1260.1	1109.6	953.0	859.7	831.7	854.3	914.6	1047.4	1193.6
30°	1390.4	1400.2	1381.3	1123.0	942.6	843.3	821.4	854.3	929.2	1076.7	1307.6
32.5°	1526.9	1528.8	1467.2	1124.2	937.1	829.9	811.6	850.6	943.2	1101.0	1417.9
35°	1667.7	1658.5	1549.5	1142.5	951.7	834.8	818.9	861.0	965.1	1129.7	1514.7
37.5°	1810.3	1793.8	1641.5	1172.3	989.5	887.8	878.0	914.0	1000.5	1169.3	1621.4
40°	1956.5	1934.0	1737.1	1217.4	1073.6	1068.1	1101.6	1097.4	1097.4	1219.8	1731.1
42.5°	2135.0	2108.8	1878.5	1344.7	1269.8	1392.3	1483.7	1427.0	1322.2	1336.2	1873.6
45°	2370.8	2348.3	2123.4	1588.5	1577.5	1859.0	1982.1	1870.0	1609.2	1604.9	2111.9
47.5°	2748.0	2743.7	2514.0	1871.2	1954.1	2453.1	2690.7	2475.0	1936.4	1889.5	2562.8
50°	3278.1	3265.3	3000.9	2202.7	2401.9	3189.1	3613.2	3253.7	2331.8	2221.5	3166.6
52.5°	3875.2	3888.6	3682.7	2564.6	2877.8	4008.0	4598.5	4145.7	2761.4	2643.8	3926.4
55°	4437.6	4514.4	4460.2	2988.1	3342.7	4912.3	5680.6	5124.3	3293.3	3196.4	4778.2
57.5°	4877.5	5093.8	5474.0	3603.5	3889.2	5970.0	6888.9	6185.1	3914.2	4094.0	5937.7
60°	4901.9	5188.3	6071.2	4890.9	4592.4	6877.3	8095.3	7221.5	4890.3	5617.8	6846.2
62.5°	4534.5	4841.6	5682.4	5475.9	5358.3	7649.3	8714.4	7977.1	5850.6	6510.5	6576.9
65°	4114.1	4424.2	5248.6	4812.3	5269.3	7616.4	8557.2	7994.8	5937.7	5903.6	6094.9
67.5°	3478.6	3757.0	4503.4	4259.7	4856.8	7249.0	7830.9	7490.9	5470.4	5521.6	5606.9
70°	2539.0	2807.1	3499.9	3512.1	4241.4	6586.6	6728.6	6681.7	5037.8	5092.0	4848.3
72.5°	1834.0	2060.1	2657.8	2880.2	3385.9	5523.4	5425.3	5606.3	4322.4	4535.1	3894.1
75°	1318.5	1487.9	1949.8	2505.5	2684.0	4101.9	3883.7	4341.9	3468.2	3905.1	2927.7
77.5°	535.0	594.7	767.1	1687.8	1764.0	2759.6	2377.5	3153.8	2472.6	2565.8	1419.1
80°	21.9	24.4	31.7	871.3	1209.5	1552.5	1272.2	1686.0	1633.0	1033.4	335.1
82.5°	2.4	2.4	5.5	251.0	529.5	856.7	599.6	971.2	826.8	438.1	152.3
85°	0.6	0.6	1.2	28.6	124.3	137.1	81.0	298.0	384.5	179.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	5.5	6.1	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°	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2
2.5°	276.0	273.0	269.3	265.7	263.8	259.0	257.1	255.9	254.7	255.3	255.3
5°	266.9	260.2	252.3	244.3	240.1	235.2	232.8	231.5	232.1	234.6	234.6
7.5°	265.7	252.9	235.8	225.4	220.6	216.9	214.5	213.3	213.9	216.9	218.1
10°	285.8	263.2	232.8	215.1	209.6	205.9	203.5	201.7	200.5	202.9	203.5
12.5°	329.0	298.0	247.4	213.9	204.1	199.2	197.4	193.8	191.9	193.2	193.8
15°	418.6	365.0	276.6	218.7	199.2	193.8	190.7	187.7	184.6	184.0	184.6
17.5°	535.6	458.8	321.1	230.3	195.6	188.9	184.6	180.4	176.1	175.5	174.9
20°	680.6	574.0	383.3	248.6	192.5	184.6	178.5	172.4	167.0	165.1	165.1
22.5°	812.8	712.9	463.1	271.1	188.3	178.5	171.2	163.9	157.8	154.8	154.2
25°	974.3	860.3	558.7	297.3	182.2	170.6	162.7	155.4	149.3	145.6	144.4
27.5°	1137.0	1015.7	667.2	331.5	174.9	162.7	155.4	148.7	142.0	137.7	136.5
30°	1294.8	1183.3	789.1	374.1	169.4	154.8	148.7	142.0	135.9	129.2	127.3
32.5°	1464.2	1354.5	925.5	421.6	165.1	149.3	142.6	136.5	128.6	122.5	119.4
35°	1627.5	1531.2	1076.0	468.0	160.9	144.4	137.1	131.0	122.5	115.8	111.5
37.5°	1792.0	1710.9	1233.2	496.0	154.8	137.7	131.0	126.1	116.4	108.5	103.6
40°	1966.2	1896.8	1403.2	484.4	149.3	130.4	126.7	121.3	110.3	101.1	95.1
42.5°	2157.6	2074.1	1576.3	439.9	144.4	124.3	120.6	115.2	104.8	93.8	85.9
45°	2398.2	2268.5	1718.3	372.9	146.8	118.2	110.9	109.7	99.9	85.9	76.2
47.5°	2812.0	2567.0	1828.5	329.6	163.3	111.5	103.0	106.0	95.7	78.0	67.0
50°	3445.0	3061.8	1931.5	326.6	188.3	108.5	95.7	103.6	91.4	70.1	59.1
52.5°	4048.3	3564.5	1997.3	353.4	210.2	116.4	88.3	100.5	88.3	64.6	53.6
55°	4625.3	3854.5	1879.7	372.9	230.9	140.1	82.9	95.7	84.7	61.5	51.8
57.5°	5247.4	3983.7	1480.0	412.5	245.6	160.2	84.1	88.3	79.8	59.7	51.2
60°	5433.2	3818.5	893.2	464.3	237.6	166.3	93.2	78.6	73.1	56.1	49.4
62.5°	5144.4	3426.8	527.1	422.9	230.9	157.2	106.6	72.5	66.4	51.2	45.7
65°	4712.4	2894.8	343.7	357.1	244.9	140.1	113.3	69.5	60.3	46.3	40.2
67.5°	4218.9	2331.8	240.7	210.8	226.1	126.1	95.7	68.9	54.2	39.0	32.9
70°	3553.5	1746.3	169.4	139.5	188.3	112.1	74.3	67.0	47.5	31.7	25.6
72.5°	2745.6	1093.1	126.1	90.2	134.0	91.4	59.1	56.7	38.4	26.2	19.5
75°	2024.7	623.3	89.0	65.2	88.3	69.5	43.9	40.2	32.9	25.0	17.7
77.5°	1057.2	312.0	55.4	50.0	50.6	43.3	31.7	29.2	30.5	25.0	16.5
80°	202.9	62.1	33.5	36.6	27.4	27.4	23.2	24.4	26.8	20.1	14.0
82.5°	84.7	13.4	18.3	20.7	17.1	18.9	18.9	19.5	18.9	14.6	10.4
85°	0.0	0.0	7.9	8.5	11.6	11.6	9.7	9.7	9.7	8.5	6.1
87.5°	0.0	0.0	0.0	0.0	0.6	1.8	3.7	4.3	4.9	3.7	2.4
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2
2.5°	254.7	253.5	255.3	256.5	257.7	257.7	256.5	255.3	253.5	255.3	253.5
5°	235.2	237.0	240.1	241.3	242.5	240.1	238.8	235.2	232.1	232.8	231.5
7.5°	220.0	221.8	225.4	227.9	227.9	226.7	223.0	219.4	214.5	214.5	213.9
10°	205.9	208.4	212.6	215.7	216.9	215.7	212.0	207.2	202.9	202.9	201.1
12.5°	194.4	197.4	202.3	206.6	207.8	206.6	202.9	198.0	193.2	193.2	191.9
15°	184.6	188.3	193.8	198.6	200.5	198.6	194.4	188.3	183.4	184.0	182.2
17.5°	175.5	178.5	185.8	191.3	193.2	191.3	185.8	177.9	173.0	174.3	173.0
20°	165.1	168.8	176.1	182.2	184.0	182.2	176.1	167.6	162.7	162.7	163.3
22.5°	154.2	157.8	165.1	169.4	171.8	170.0	163.9	156.0	151.1	151.1	151.7
25°	144.4	146.2	151.7	156.0	156.6	154.8	149.9	143.8	140.1	142.0	142.6
27.5°	135.3	135.3	137.7	140.1	139.5	137.7	135.9	131.0	130.4	132.2	134.0
30°	125.5	122.5	121.3	119.4	118.8	118.2	120.0	120.0	121.3	123.7	125.5
32.5°	117.0	110.9	105.4	99.9	96.9	99.3	104.2	108.5	112.7	116.4	118.2
35°	107.2	97.5	88.3	81.0	76.2	79.8	87.7	95.7	103.0	107.8	110.9
37.5°	97.5	83.5	72.5	63.4	59.7	62.8	71.3	82.3	93.2	99.3	103.6
40°	87.1	69.5	56.7	49.4	45.7	48.7	57.3	68.2	82.9	90.8	96.3
42.5°	76.8	57.3	45.7	38.4	36.6	38.4	45.1	56.1	71.9	81.6	89.0
45°	66.4	47.5	36.6	31.1	29.2	31.1	36.6	45.7	61.5	72.5	81.0
47.5°	57.3	40.2	30.5	25.6	24.4	26.2	30.5	38.4	51.8	62.8	72.5
50°	50.0	35.3	26.2	21.9	20.7	22.5	26.2	32.3	43.9	53.6	64.0
52.5°	45.1	32.9	23.2	18.9	18.3	19.5	22.5	27.4	37.2	45.7	55.4
55°	43.9	32.9	21.3	17.1	16.5	17.7	20.1	23.8	32.3	39.6	48.1
57.5°	45.1	35.3	20.1	14.6	14.0	15.2	17.7	20.7	28.0	34.1	42.0
60°	45.1	35.9	17.7	11.6	11.0	12.2	14.6	18.3	25.0	29.9	36.6
62.5°	40.8	32.9	14.6	9.1	7.9	9.1	12.2	15.2	21.9	26.8	32.3
65°	35.3	28.0	12.2	6.7	5.5	6.7	9.7	12.8	18.9	23.2	29.2
67.5°	28.6	21.3	9.1	4.9	3.7	4.9	7.3	10.4	15.8	20.1	26.2
70°	21.3	15.2	7.3	4.3	3.7	4.3	6.7	9.7	14.0	18.3	24.4
72.5°	15.8	10.4	6.1	4.3	3.0	4.3	6.1	9.1	13.4	17.7	23.2
75°	13.4	8.5	5.5	3.7	3.0	3.7	5.5	8.5	12.2	16.5	21.9
77.5°	12.8	7.9	4.9	3.0	2.4	3.0	4.9	7.3	11.0	15.2	21.3
80°	11.0	6.7	4.3	2.4	1.8	2.4	4.3	6.1	8.5	11.6	16.5
82.5°	8.5	5.5	3.0	1.2	0.6	1.2	3.0	3.7	5.5	6.7	9.7
85°	5.5	3.0	1.2	0.0	0.0	0.0	1.2	2.4	2.4	3.0	4.9
87.5°	2.4	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	1.2	1.8
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°	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2	274.2
2.5°	257.1	257.7	259.0	260.8	265.0	268.7	272.4	277.2	279.7	279.7
5°	232.8	233.4	234.0	236.4	242.5	247.4	255.3	265.0	269.9	271.1
7.5°	213.9	215.1	216.3	218.1	224.2	230.9	241.3	259.6	268.7	270.5
10°	202.9	204.7	207.2	210.8	216.3	223.6	241.3	274.2	289.4	292.5
12.5°	194.4	197.4	199.9	204.1	210.8	222.4	257.7	315.6	342.4	349.7
15°	185.8	189.5	193.2	197.4	204.7	226.7	289.4	390.0	434.4	439.9
17.5°	177.3	181.6	186.4	191.3	200.5	237.0	339.4	492.9	555.1	567.3
20°	167.6	173.0	179.7	185.8	196.2	253.5	408.8	615.4	693.4	719.6
22.5°	157.2	163.9	171.8	179.7	191.3	273.6	492.9	747.0	856.1	873.1
25°	148.7	155.4	162.7	170.6	183.4	298.0	594.7	910.3	1009.6	1026.1
27.5°	140.8	147.5	154.2	161.5	175.5	329.6	717.2	1084.0	1187.5	1204.6
30°	132.2	140.1	146.8	154.2	168.2	368.6	858.5	1276.5	1374.6	1390.4
32.5°	124.9	132.8	139.5	146.8	162.7	411.3	1007.2	1447.1	1526.9	1526.9
35°	118.8	127.3	132.2	142.0	158.4	438.7	1147.9	1609.8	1670.1	1667.7
37.5°	112.1	122.5	126.1	132.8	152.9	441.7	1280.2	1781.6	1826.1	1810.3
40°	105.4	116.4	121.9	125.5	146.8	416.8	1425.2	1939.4	1977.2	1956.5
42.5°	99.3	107.8	115.8	120.0	143.2	372.9	1541.6	2108.2	2153.3	2135.0
45°	93.2	100.5	105.4	113.3	145.6	342.4	1641.5	2305.0	2384.2	2370.8
47.5°	87.1	93.2	96.3	108.5	162.1	328.4	1702.4	2609.7	2759.0	2748.0
50°	80.4	87.7	87.7	107.2	186.4	333.3	1755.4	3050.8	3281.7	3278.1
52.5°	73.7	81.6	80.4	116.4	205.3	355.8	1815.7	3440.2	3841.7	3875.2
55°	67.0	74.3	75.6	134.7	216.3	375.3	1582.4	3604.1	4320.0	4437.6
57.5°	59.7	64.0	78.6	148.7	212.6	432.0	1084.0	3633.9	4625.3	4877.5
60°	51.8	55.4	89.0	145.6	201.1	399.1	682.4	3365.8	4582.0	4901.9
62.5°	45.1	51.2	93.8	128.6	204.7	346.1	435.0	2868.6	4169.5	4534.5
65°	39.6	49.4	85.3	116.4	207.2	234.6	293.7	2333.7	3766.8	4114.1
67.5°	35.3	54.8	70.1	103.6	177.9	165.1	201.7	1813.3	3167.2	3478.6
70°	32.3	56.1	57.3	89.0	137.7	106.0	132.8	1220.4	2183.2	2539.0
72.5°	29.2	41.4	43.3	71.3	89.0	64.6	85.9	698.3	1591.5	1834.0
75°	28.0	28.0	29.9	46.3	49.4	46.9	55.4	416.8	1141.2	1318.5
77.5°	26.2	21.3	18.9	29.9	26.8	33.5	32.9	185.2	494.8	535.0
80°	20.7	15.2	12.8	18.9	18.3	22.5	19.5	15.2	22.5	21.9
82.5°	12.8	9.7	9.1	11.6	10.4	11.6	9.1	2.4	2.4	2.4
85°	6.1	5.5	4.9	4.9	5.5	4.9	3.7	1.2	0.6	0.6
87.5°	3.0	3.0	2.4	1.8	2.4	2.4	1.8	0.6	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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