

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: P632325

Luminaire Tested: GWS-SA2C-740-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632325
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5743.8 lumens
Efficiency: N/A
Efficacy: 90.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

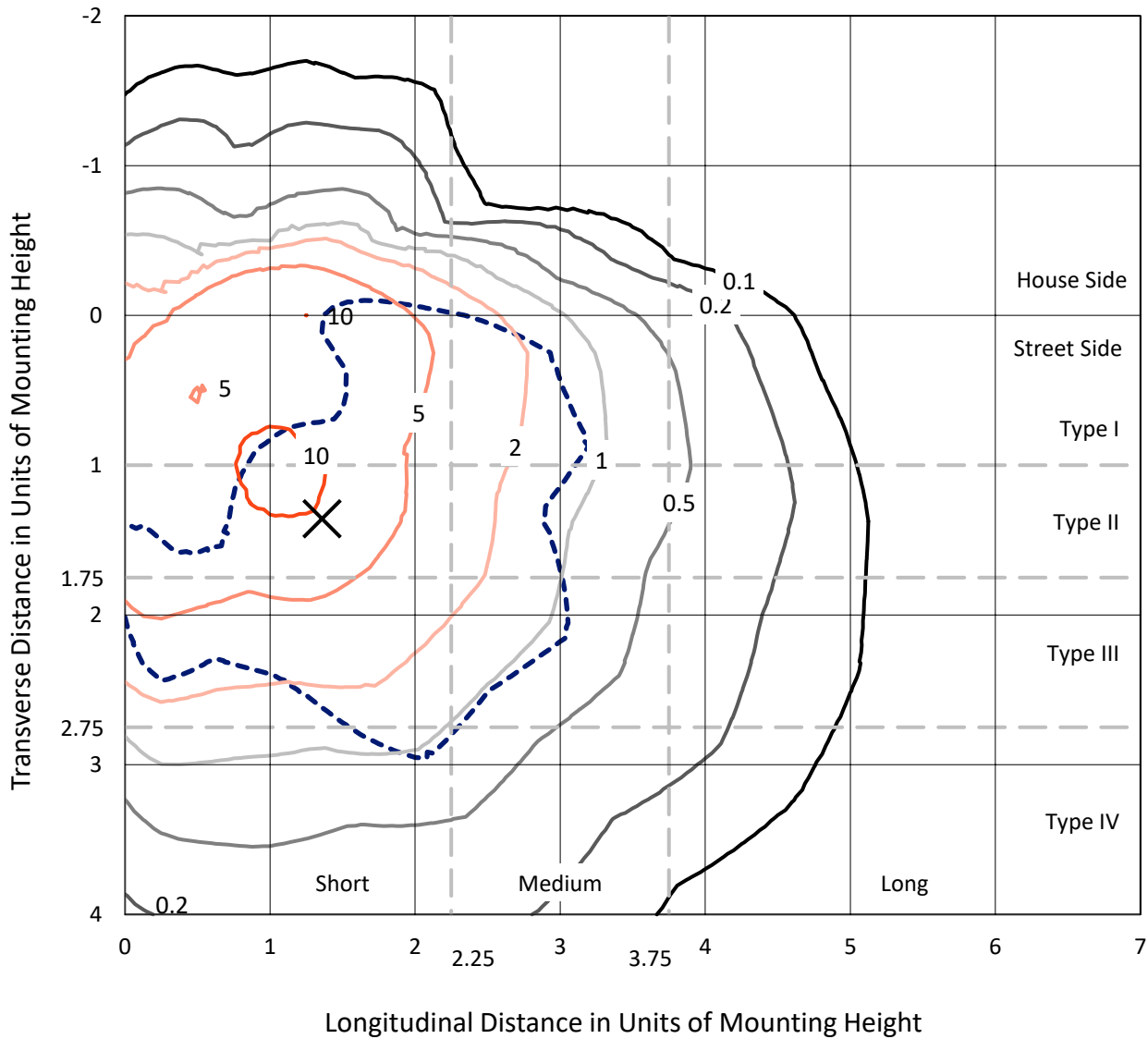
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

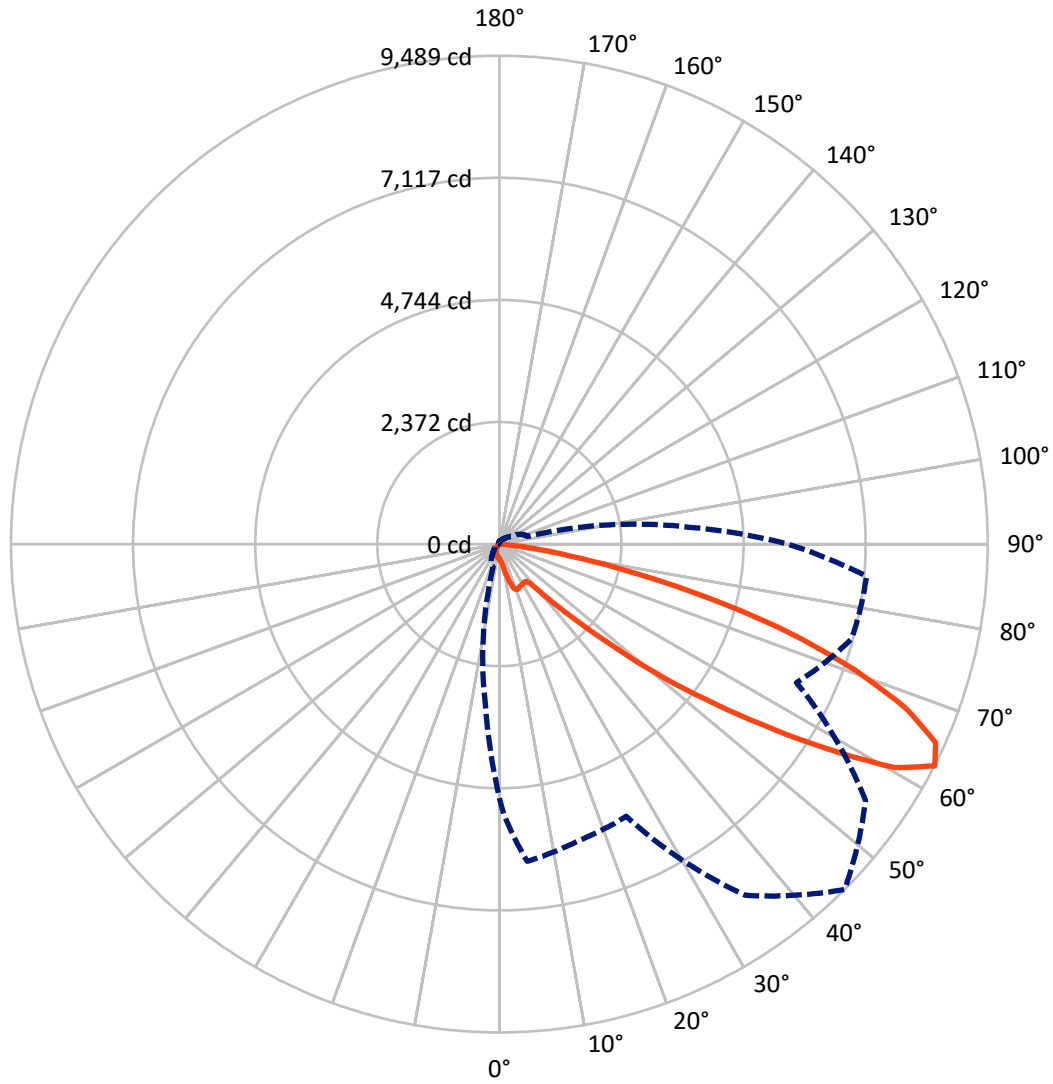
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.7 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	708.8	0.0	708.8
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	5035.0	0.0	5035.0
	% Fixture	87.7	0.0	87.7
Total	Lumens	5743.8	0.0	5743.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	0.5
10°-20°	100.1	1.7
20°-30°	217.7	3.8
30°-40°	357.3	6.2
40°-50°	656.8	11.4
50°-60°	1410.6	24.6
60°-70°	1894.6	33.0
70°-80°	986.6	17.2
80°-90°	93.5	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°	5743.8	100.0
0°-180°	5743.8	100.0

Coefficient of Utilization



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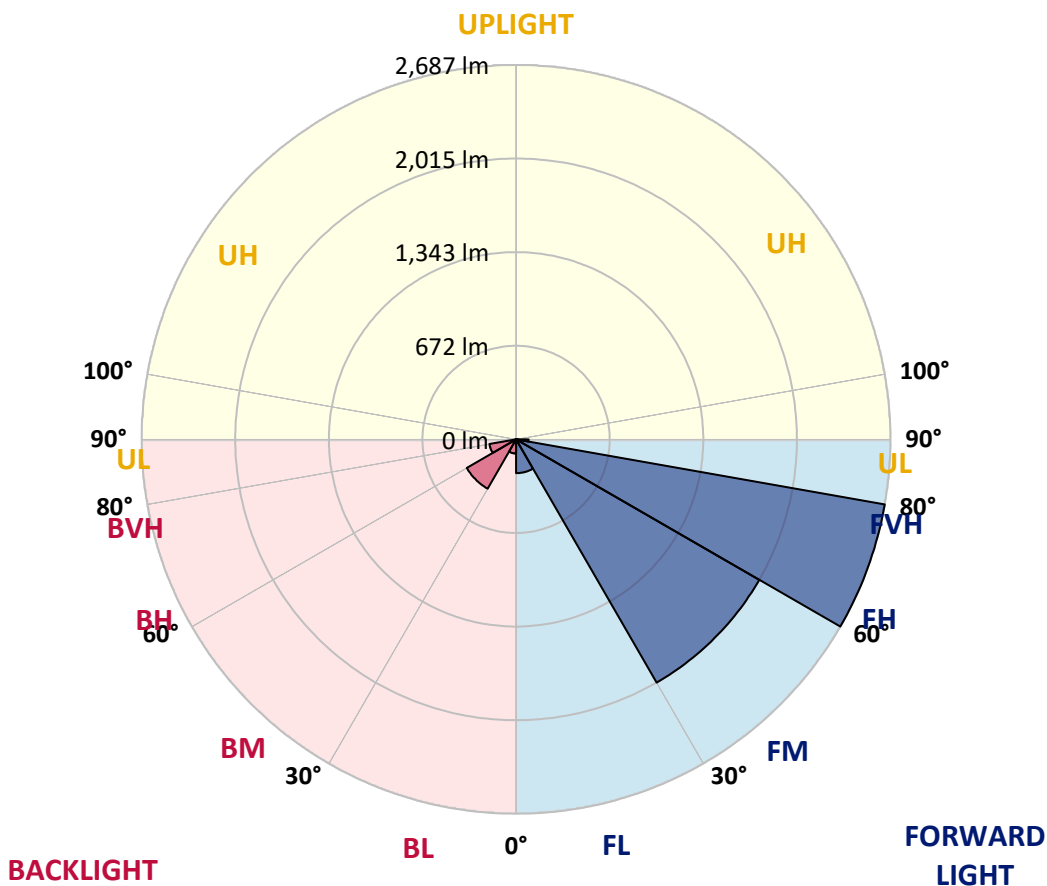
CATALOG NUMBER: GWS-SA2C-740-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	242.6	4.2			
FM (30°-60°)	2016.0	35.1			
FH (60°-80°)	2687.0	46.8			G2/5000
FVH (80°-90°)	89.4	1.6			G1/100
BL (0°-30°)	101.7	1.8	B0/110		
BM (30°-60°)	408.7	7.1	B1/1000		
BH (60°-80°)	194.2	3.4	B1/500		G1/500
BVH (80°-90°)	4.2	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°	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6
2.5°	304.5	305.9	307.2	311.8	315.1	317.8	318.5	316.5	311.8	307.2	300.5
5°	295.2	296.6	301.2	313.8	326.4	336.4	339.7	337.7	326.4	311.8	296.6
7.5°	294.6	297.2	308.5	335.0	362.2	382.8	388.1	383.5	362.2	333.1	301.9
10°	318.5	323.1	339.7	387.5	437.2	473.7	488.3	468.4	434.6	381.5	330.4
12.5°	380.8	388.8	420.6	490.3	567.3	615.7	635.6	611.0	558.0	481.0	400.1
15°	479.0	491.0	538.7	642.9	733.8	776.9	783.5	769.6	707.9	623.0	514.2
17.5°	617.7	634.9	709.2	815.4	881.1	896.3	894.3	879.7	834.6	776.2	673.4
20°	783.5	804.1	877.1	964.7	971.3	953.4	943.4	934.8	919.6	909.6	829.3
22.5°	950.7	976.0	1052.2	1074.1	1014.4	962.7	938.1	944.8	967.3	1016.4	983.9
25°	1117.3	1141.2	1212.8	1153.8	1034.3	948.1	916.9	932.8	986.6	1092.7	1134.5
27.5°	1311.7	1329.6	1372.0	1208.2	1037.7	936.1	905.6	930.2	995.9	1140.5	1299.7
30°	1514.0	1524.6	1504.1	1222.8	1026.4	918.2	894.3	930.2	1011.8	1172.3	1423.8
32.5°	1662.6	1664.6	1597.6	1224.1	1020.4	903.6	883.7	926.2	1027.0	1198.9	1543.9
35°	1815.9	1805.9	1687.2	1244.0	1036.3	908.9	891.7	937.5	1050.9	1230.1	1649.4
37.5°	1971.1	1953.2	1787.4	1276.5	1077.5	966.7	956.0	995.2	1089.4	1273.2	1765.5
40°	2130.4	2105.8	1891.5	1325.6	1169.0	1163.0	1199.5	1194.9	1194.9	1328.2	1884.9
42.5°	2324.8	2296.2	2045.4	1464.3	1382.7	1516.0	1615.5	1553.8	1439.7	1455.0	2040.1
45°	2581.5	2557.0	2312.2	1729.6	1717.7	2024.2	2158.2	2036.2	1752.2	1747.6	2299.6
47.5°	2992.2	2987.6	2737.4	2037.5	2127.7	2671.1	2929.8	2695.0	2108.5	2057.4	2790.5
50°	3569.4	3555.5	3267.5	2398.4	2615.4	3472.6	3934.3	3542.9	2539.1	2419.0	3448.0
52.5°	4219.6	4234.2	4010.0	2792.5	3133.5	4364.2	5007.1	4514.2	3006.8	2878.8	4275.3
55°	4832.0	4915.6	4856.5	3253.6	3639.7	5348.8	6185.4	5579.7	3586.0	3480.5	5202.9
57.5°	5311.0	5546.5	5960.5	3923.7	4234.9	6500.6	7501.1	6734.8	4262.1	4457.8	6465.4
60°	5337.5	5649.4	6610.7	5325.6	5000.5	7488.5	8814.7	7863.3	5324.9	6117.1	7454.6
62.5°	4937.5	5271.9	6187.4	5962.5	5834.5	8329.1	9488.8	8686.0	6370.6	7089.1	7161.4
65°	4479.7	4817.4	5715.1	5240.0	5737.6	8293.3	9317.6	8705.3	6465.4	6428.3	6636.6
67.5°	3787.7	4090.9	4903.6	4638.3	5288.4	7893.2	8526.8	8156.6	5956.6	6012.3	6105.2
70°	2764.6	3056.6	3810.9	3824.2	4618.4	7172.0	7326.6	7275.5	5485.5	5544.5	5279.2
72.5°	1997.0	2243.2	2894.0	3136.2	3686.9	6014.3	5907.5	6104.5	4706.6	4938.1	4240.2
75°	1435.7	1620.2	2123.1	2728.2	2922.5	4466.4	4228.9	4727.8	3776.4	4252.1	3187.9
77.5°	582.5	647.5	835.3	1837.8	1920.7	3004.8	2588.8	3434.1	2692.3	2793.8	1545.2
80°	23.9	26.5	34.5	948.7	1317.0	1690.5	1385.3	1835.8	1778.1	1125.2	364.9
82.5°	2.7	2.7	6.0	273.3	576.5	932.8	652.8	1057.6	900.3	477.0	165.9
85°	0.7	0.7	1.3	31.2	135.3	149.3	88.2	324.4	418.6	195.1	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	6.0	6.6	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°	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6
2.5°	300.5	297.2	293.2	289.3	287.3	282.0	280.0	278.7	277.3	278.0	278.0
5°	290.6	283.3	274.7	266.0	261.4	256.1	253.4	252.1	252.8	255.4	255.4
7.5°	289.3	275.3	256.8	245.5	240.2	236.2	233.5	232.2	232.9	236.2	237.5
10°	311.2	286.6	253.4	234.2	228.2	224.2	221.6	219.6	218.3	220.9	221.6
12.5°	358.3	324.4	269.4	232.9	222.3	217.0	215.0	211.0	209.0	210.3	211.0
15°	455.8	397.4	301.2	238.2	217.0	211.0	207.7	204.3	201.0	200.4	201.0
17.5°	583.2	499.6	349.6	250.8	213.0	205.7	201.0	196.4	191.7	191.1	190.4
20°	741.1	625.0	417.3	270.7	209.7	201.0	194.4	187.8	181.8	179.8	179.8
22.5°	885.1	776.2	504.2	295.2	205.0	194.4	186.4	178.5	171.8	168.5	167.9
25°	1060.9	936.8	608.4	323.8	198.4	185.8	177.1	169.2	162.5	158.6	157.2
27.5°	1238.0	1106.0	726.5	360.9	190.4	177.1	169.2	161.9	154.6	149.9	148.6
30°	1409.9	1288.4	859.2	407.4	184.4	168.5	161.9	154.6	148.0	140.7	138.7
32.5°	1594.3	1474.9	1007.8	459.1	179.8	162.5	155.2	148.6	140.0	133.4	130.0
35°	1772.1	1667.3	1171.7	509.5	175.2	157.2	149.3	142.6	133.4	126.1	121.4
37.5°	1951.2	1863.0	1342.8	540.1	168.5	149.9	142.6	137.3	126.7	118.1	112.8
40°	2141.0	2065.4	1528.0	527.5	162.5	142.0	138.0	132.0	120.1	110.1	103.5
42.5°	2349.3	2258.4	1716.4	479.0	157.2	135.3	131.4	125.4	114.1	102.2	93.5
45°	2611.4	2470.1	1871.0	406.0	159.9	128.7	120.7	119.4	108.8	93.5	82.9
47.5°	3061.9	2795.2	1991.0	358.9	177.8	121.4	112.1	115.4	104.2	84.9	73.0
50°	3751.2	3333.9	2103.2	355.6	205.0	118.1	104.2	112.8	99.5	76.3	64.4
52.5°	4408.0	3881.2	2174.8	384.8	228.9	126.7	96.2	109.5	96.2	70.3	58.4
55°	5036.3	4197.1	2046.8	406.0	251.5	152.6	90.2	104.2	92.2	67.0	56.4
57.5°	5713.7	4337.7	1611.5	449.2	267.4	174.5	91.6	96.2	86.9	65.0	55.7
60°	5916.1	4157.9	972.6	505.6	258.7	181.1	101.5	85.6	79.6	61.0	53.7
62.5°	5601.6	3731.3	573.9	460.4	251.5	171.2	116.1	79.0	72.3	55.7	49.8
65°	5131.2	3152.1	374.2	388.8	266.7	152.6	123.4	75.6	65.7	50.4	43.8
67.5°	4593.8	2539.1	262.1	229.6	246.1	137.3	104.2	75.0	59.0	42.5	35.8
70°	3869.3	1901.5	184.4	151.9	205.0	122.1	80.9	73.0	51.7	34.5	27.9
72.5°	2989.6	1190.2	137.3	98.2	146.0	99.5	64.4	61.7	41.8	28.5	21.2
75°	2204.7	678.7	96.9	71.0	96.2	75.6	47.8	43.8	35.8	27.2	19.2
77.5°	1151.1	339.7	60.4	54.4	55.1	47.1	34.5	31.8	33.2	27.2	17.9
80°	220.9	67.7	36.5	39.8	29.9	29.9	25.2	26.5	29.2	21.9	15.3
82.5°	92.2	14.6	19.9	22.6	18.6	20.6	20.6	21.2	20.6	15.9	11.3
85°	0.0	0.0	8.6	9.3	12.6	12.6	10.6	10.6	10.6	9.3	6.6
87.5°	0.0	0.0	0.0	0.0	0.7	2.0	4.0	4.6	5.3	4.0	2.7
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°	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6
2.5°	277.3	276.0	278.0	279.3	280.6	280.6	279.3	278.0	276.0	278.0	276.0
5°	256.1	258.1	261.4	262.7	264.1	261.4	260.1	256.1	252.8	253.4	252.1
7.5°	239.5	241.5	245.5	248.1	248.1	246.8	242.8	238.8	233.5	233.5	232.9
10°	224.2	226.9	231.5	234.9	236.2	234.9	230.9	225.6	220.9	220.9	218.9
12.5°	211.6	215.0	220.3	224.9	226.2	224.9	220.9	215.6	210.3	210.3	209.0
15°	201.0	205.0	211.0	216.3	218.3	216.3	211.6	205.0	199.7	200.4	198.4
17.5°	191.1	194.4	202.4	208.3	210.3	208.3	202.4	193.7	188.4	189.7	188.4
20°	179.8	183.8	191.7	198.4	200.4	198.4	191.7	182.5	177.1	177.1	177.8
22.5°	167.9	171.8	179.8	184.4	187.1	185.1	178.5	169.8	164.5	164.5	165.2
25°	157.2	159.2	165.2	169.8	170.5	168.5	163.2	156.6	152.6	154.6	155.2
27.5°	147.3	147.3	149.9	152.6	151.9	149.9	148.0	142.6	142.0	144.0	146.0
30°	136.7	133.4	132.0	130.0	129.4	128.7	130.7	130.7	132.0	134.7	136.7
32.5°	127.4	120.7	114.8	108.8	105.5	108.1	113.5	118.1	122.7	126.7	128.7
35°	116.8	106.2	96.2	88.2	82.9	86.9	95.5	104.2	112.1	117.4	120.7
37.5°	106.2	90.9	79.0	69.0	65.0	68.3	77.6	89.6	101.5	108.1	112.8
40°	94.9	75.6	61.7	53.7	49.8	53.1	62.4	74.3	90.2	98.9	104.8
42.5°	83.6	62.4	49.8	41.8	39.8	41.8	49.1	61.0	78.3	88.9	96.9
45°	72.3	51.7	39.8	33.8	31.8	33.8	39.8	49.8	67.0	79.0	88.2
47.5°	62.4	43.8	33.2	27.9	26.5	28.5	33.2	41.8	56.4	68.3	79.0
50°	54.4	38.5	28.5	23.9	22.6	24.5	28.5	35.2	47.8	58.4	69.7
52.5°	49.1	35.8	25.2	20.6	19.9	21.2	24.5	29.9	40.5	49.8	60.4
55°	47.8	35.8	23.2	18.6	17.9	19.2	21.9	25.9	35.2	43.1	52.4
57.5°	49.1	38.5	21.9	15.9	15.3	16.6	19.2	22.6	30.5	37.2	45.8
60°	49.1	39.1	19.2	12.6	11.9	13.3	15.9	19.9	27.2	32.5	39.8
62.5°	44.5	35.8	15.9	10.0	8.6	10.0	13.3	16.6	23.9	29.2	35.2
65°	38.5	30.5	13.3	7.3	6.0	7.3	10.6	13.9	20.6	25.2	31.8
67.5°	31.2	23.2	10.0	5.3	4.0	5.3	8.0	11.3	17.2	21.9	28.5
70°	23.2	16.6	8.0	4.6	4.0	4.6	7.3	10.6	15.3	19.9	26.5
72.5°	17.2	11.3	6.6	4.6	3.3	4.6	6.6	10.0	14.6	19.2	25.2
75°	14.6	9.3	6.0	4.0	3.3	4.0	6.0	9.3	13.3	17.9	23.9
77.5°	13.9	8.6	5.3	3.3	2.7	3.3	5.3	8.0	11.9	16.6	23.2
80°	11.9	7.3	4.6	2.7	2.0	2.7	4.6	6.6	9.3	12.6	17.9
82.5°	9.3	6.0	3.3	1.3	0.7	1.3	3.3	4.0	6.0	7.3	10.6
85°	6.0	3.3	1.3	0.0	0.0	0.0	1.3	2.7	2.7	3.3	5.3
87.5°	2.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.3	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6	298.6
2.5°	280.0	280.6	282.0	284.0	288.6	292.6	296.6	301.9	304.5	304.5
5°	253.4	254.1	254.8	257.4	264.1	269.4	278.0	288.6	293.9	295.2
7.5°	232.9	234.2	235.5	237.5	244.2	251.5	262.7	282.6	292.6	294.6
10°	220.9	222.9	225.6	229.6	235.5	243.5	262.7	298.6	315.1	318.5
12.5°	211.6	215.0	217.6	222.3	229.6	242.2	280.6	343.7	372.9	380.8
15°	202.4	206.3	210.3	215.0	222.9	246.8	315.1	424.6	473.0	479.0
17.5°	193.1	197.7	203.0	208.3	218.3	258.1	369.5	536.7	604.4	617.7
20°	182.5	188.4	195.7	202.4	213.6	276.0	445.2	670.1	755.0	783.5
22.5°	171.2	178.5	187.1	195.7	208.3	297.9	536.7	813.4	932.2	950.7
25°	161.9	169.2	177.1	185.8	199.7	324.4	647.5	991.2	1099.4	1117.3
27.5°	153.3	160.6	167.9	175.8	191.1	358.9	780.9	1180.3	1293.1	1311.7
30°	144.0	152.6	159.9	167.9	183.1	401.4	934.8	1390.0	1496.8	1514.0
32.5°	136.0	144.6	151.9	159.9	177.1	447.8	1096.7	1575.7	1662.6	1662.6
35°	129.4	138.7	144.0	154.6	172.5	477.7	1250.0	1752.9	1818.5	1815.9
37.5°	122.1	133.4	137.3	144.6	166.5	481.0	1393.9	1940.0	1988.4	1971.1
40°	114.8	126.7	132.7	136.7	159.9	453.8	1551.8	2111.8	2152.9	2130.4
42.5°	108.1	117.4	126.1	130.7	155.9	406.0	1678.6	2295.6	2344.7	2324.8
45°	101.5	109.5	114.8	123.4	158.6	372.9	1787.4	2509.9	2596.1	2581.5
47.5°	94.9	101.5	104.8	118.1	176.5	357.6	1853.7	2841.6	3004.2	2992.2
50°	87.6	95.5	95.5	116.8	203.0	362.9	1911.4	3321.9	3573.4	3569.4
52.5°	80.3	88.9	87.6	126.7	223.6	387.5	1977.1	3745.9	4183.1	4219.6
55°	73.0	80.9	82.3	146.6	235.5	408.7	1723.0	3924.4	4703.9	4832.0
57.5°	65.0	69.7	85.6	161.9	231.5	470.4	1180.3	3956.9	5036.3	5311.0
60°	56.4	60.4	96.9	158.6	218.9	434.6	743.1	3665.0	4989.2	5337.5
62.5°	49.1	55.7	102.2	140.0	222.9	376.8	473.7	3123.6	4540.1	4937.5
65°	43.1	53.7	92.9	126.7	225.6	255.4	319.8	2541.1	4101.5	4479.7
67.5°	38.5	59.7	76.3	112.8	193.7	179.8	219.6	1974.5	3448.7	3787.7
70°	35.2	61.0	62.4	96.9	149.9	115.4	144.6	1328.9	2377.2	2764.6
72.5°	31.8	45.1	47.1	77.6	96.9	70.3	93.5	760.3	1733.0	1997.0
75°	30.5	30.5	32.5	50.4	53.7	51.1	60.4	453.8	1242.7	1435.7
77.5°	28.5	23.2	20.6	32.5	29.2	36.5	35.8	201.7	538.7	582.5
80°	22.6	16.6	13.9	20.6	19.9	24.5	21.2	16.6	24.5	23.9
82.5°	13.9	10.6	10.0	12.6	11.3	12.6	10.0	2.7	2.7	2.7
85°	6.6	6.0	5.3	5.3	6.0	5.3	4.0	1.3	0.7	0.7
87.5°	3.3	3.3	2.7	2.0	2.7	2.7	2.0	0.7	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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