

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: P629465

Luminaire Tested: GWS-SA1B-760-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-760-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1929.1 lumens
Efficiency: N/A
Efficacy: 77.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

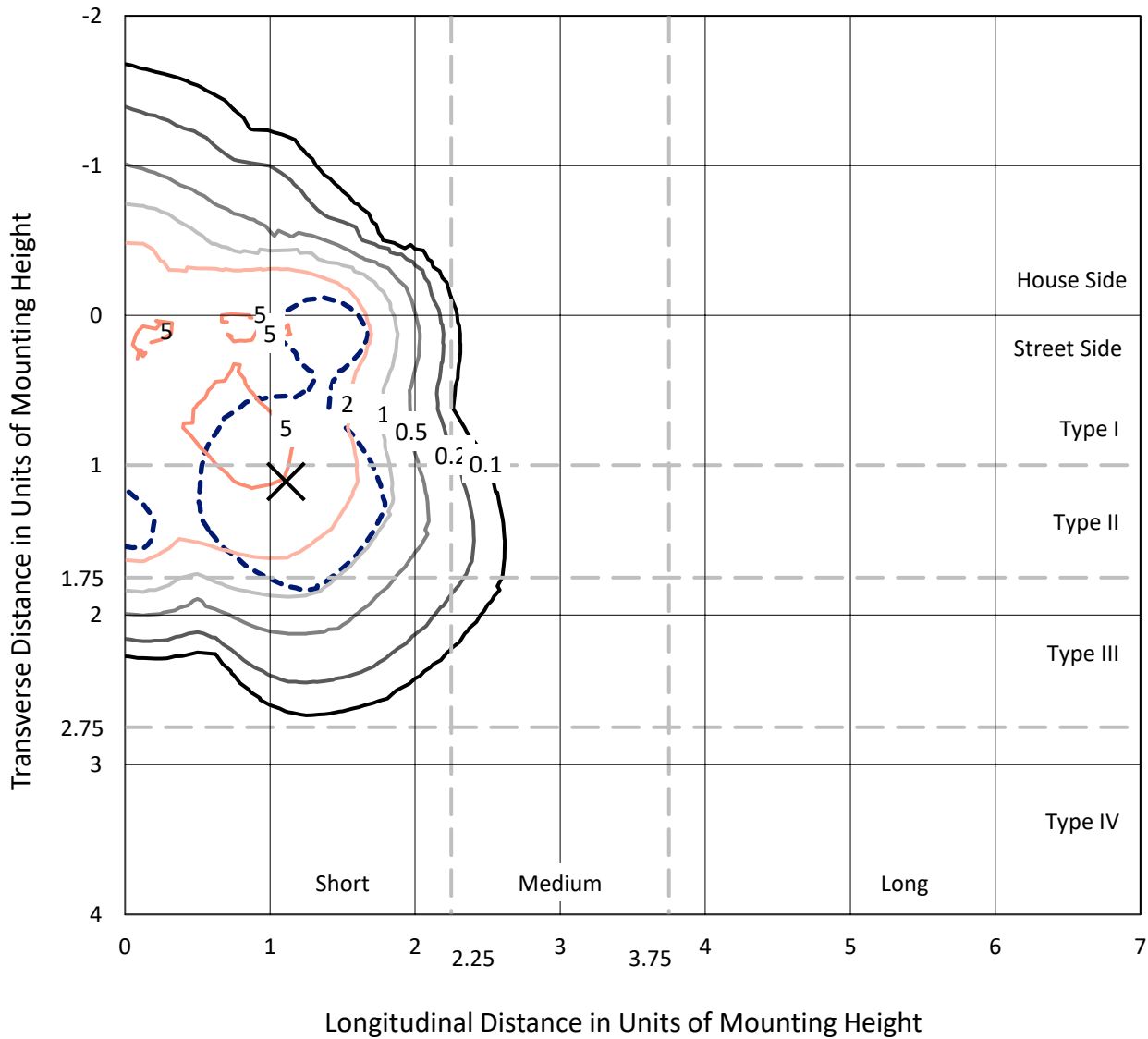
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

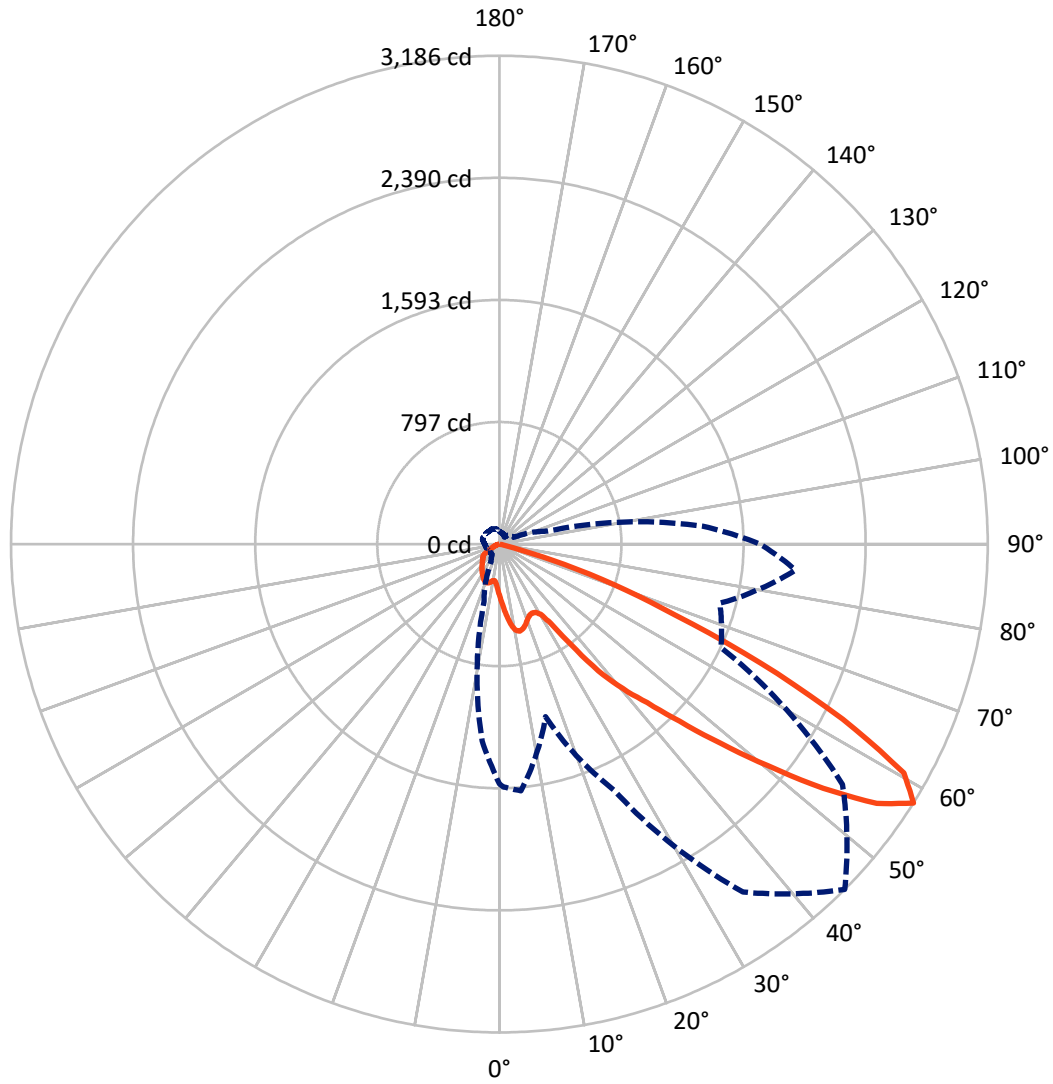
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	432.0	0.0	432.0
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	1497.1	0.0	1497.1
	% Fixture	77.6	0.0	77.6
Total	Lumens	1929.1	0.0	1929.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.4	1.7
10°-20°	107.9	5.6
20°-30°	175.3	9.1
30°-40°	270.8	14.0
40°-50°	434.3	22.5
50°-60°	593.6	30.8
60°-70°	287.5	14.9
70°-80°	26.3	1.4
80°-90°	0.1	0.0
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°	1929.1	100.0
0°-180°	1929.1	100.0

Coefficient of Utilization



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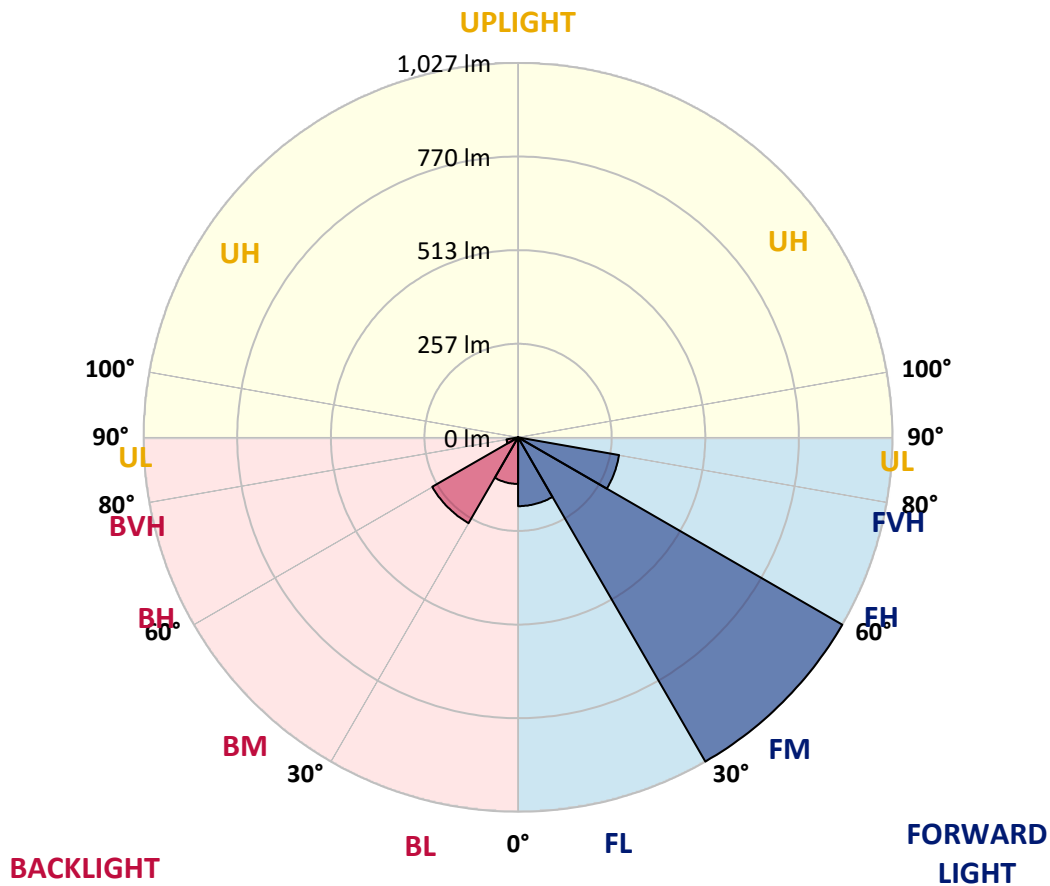
CATALOG NUMBER: GWS-SA1B-760-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	188.7	9.8			
FM (30°-60°)	1026.9	53.2			
FH (60°-80°)	281.4	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	127.8	6.6	B1/500		
BM (30°-60°)	271.8	14.1	B1/1000		
BH (60°-80°)	32.4	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1
2.5°	367.3	369.6	373.5	381.8	388.8	393.5	395.6	395.1	392.2	390.1	386.0
5°	406.7	406.7	414.2	433.2	447.7	456.7	461.4	458.6	452.9	443.8	429.8
7.5°	441.2	442.5	455.2	482.1	504.2	517.1	524.7	523.1	513.0	495.6	467.6
10°	468.2	469.7	486.6	519.5	545.4	558.6	569.8	570.8	559.7	536.6	504.4
12.5°	494.3	495.9	513.5	545.1	568.0	573.4	583.2	587.1	584.3	568.0	534.5
15°	522.6	526.2	541.3	564.8	574.4	568.0	574.4	581.4	591.0	589.5	559.4
17.5°	550.3	552.9	568.2	576.5	565.9	549.0	552.1	560.4	582.2	603.5	584.0
20°	576.0	579.6	592.3	581.4	549.3	523.1	523.4	534.3	567.4	612.0	609.2
22.5°	602.9	608.4	617.5	586.9	534.0	502.6	503.9	513.8	555.8	620.1	637.7
25°	638.2	643.4	649.3	600.4	529.1	492.5	497.4	506.5	555.8	633.8	672.9
27.5°	685.9	689.5	689.8	625.5	537.6	494.1	504.4	514.8	572.4	661.3	720.1
30°	745.8	751.5	744.0	664.6	564.3	514.8	530.1	543.1	608.1	707.7	789.6
32.5°	818.6	826.7	816.5	722.7	620.1	586.4	614.1	621.6	665.2	774.8	868.4
35°	904.2	910.9	900.0	803.1	750.2	756.4	806.7	797.1	779.7	857.5	960.4
37.5°	998.0	1004.2	983.2	924.9	942.5	969.5	1049.8	1016.9	960.9	964.0	1060.2
40°	1084.1	1090.8	1057.9	1057.4	1093.7	1142.9	1239.9	1194.5	1118.3	1103.5	1153.8
42.5°	1173.2	1177.9	1148.1	1127.9	1210.3	1311.7	1414.3	1353.1	1222.5	1206.4	1271.0
45°	1300.5	1310.4	1257.2	1162.6	1315.3	1505.8	1648.9	1529.4	1293.5	1280.5	1450.3
47.5°	1487.7	1494.9	1386.6	1184.4	1413.0	1747.7	1942.1	1758.0	1356.0	1326.4	1695.6
50°	1642.4	1647.3	1505.6	1208.2	1517.0	2008.4	2276.2	2029.2	1426.2	1402.4	1924.5
52.5°	1756.5	1775.1	1661.9	1257.2	1653.6	2315.1	2646.1	2350.3	1535.9	1549.1	2114.2
55°	1780.1	1805.5	1768.7	1287.3	1773.8	2627.5	2987.8	2637.8	1645.3	1660.3	2178.0
57.5°	1564.4	1584.6	1615.2	1166.0	1771.0	2770.5	3186.1	2733.2	1595.5	1489.0	1939.2
60°	1171.9	1185.9	1241.4	891.2	1628.7	2644.0	3031.6	2570.9	1395.1	1136.2	1477.6
62.5°	695.0	701.2	771.4	577.3	1351.8	2277.0	2514.2	2218.4	1102.5	764.2	904.9
65°	266.7	264.1	317.8	284.9	994.1	1813.8	1870.0	1691.2	756.4	350.2	345.0
67.5°	41.2	39.4	53.1	84.2	717.0	1257.0	1233.9	1218.9	473.9	81.7	71.3
70°	9.3	9.3	11.4	24.9	438.1	738.5	790.4	753.6	303.3	17.4	9.3
72.5°	4.4	4.4	5.4	10.6	158.6	304.3	354.6	349.2	98.5	5.7	3.4
75°	1.6	1.8	1.8	2.3	9.6	15.8	36.3	25.9	6.2	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1
2.5°	376.9	375.1	368.4	359.3	350.5	342.7	334.7	325.1	318.1	310.0	307.4
5°	418.9	407.5	389.1	369.9	352.3	337.2	322.7	307.2	295.8	284.4	280.5
7.5°	454.4	437.6	407.8	379.0	354.9	333.6	312.6	291.4	274.8	261.3	257.1
10°	486.3	466.9	426.9	391.4	361.1	336.5	311.1	284.4	262.8	246.8	242.9
12.5°	513.8	491.2	443.3	400.8	363.7	335.4	310.8	289.5	270.1	251.7	246.8
15°	536.8	512.0	457.0	407.0	359.8	322.5	301.0	297.6	296.0	275.8	266.2
17.5°	559.4	531.4	468.2	409.8	348.9	299.7	284.1	299.4	315.7	302.5	290.3
20°	583.0	551.1	479.6	410.3	330.8	274.0	271.4	295.5	316.2	312.1	300.7
22.5°	610.7	575.7	493.8	410.1	308.0	252.2	262.1	288.0	304.8	304.6	295.5
25°	650.9	606.8	513.0	411.6	283.1	235.4	251.7	275.3	289.0	288.5	281.0
27.5°	693.9	643.9	537.9	415.5	261.8	225.5	239.5	257.9	269.8	269.3	262.8
30°	754.3	686.7	561.7	415.8	246.5	220.3	226.0	238.7	250.1	248.9	243.9
32.5°	827.7	734.9	581.7	401.0	236.9	215.4	212.0	218.5	227.3	225.5	224.2
35°	916.3	792.2	598.8	368.6	222.2	205.6	196.5	197.8	204.0	205.0	204.5
37.5°	1017.4	860.4	620.1	325.8	202.2	191.3	179.1	178.1	181.7	185.1	187.7
40°	1117.2	937.1	648.8	282.6	184.0	173.2	161.5	158.9	160.5	166.4	171.9
42.5°	1229.5	1026.0	679.9	245.5	171.6	153.2	142.1	137.1	141.5	151.1	157.6
45°	1391.2	1150.7	710.3	215.9	166.4	135.6	120.5	120.0	124.9	137.4	144.6
47.5°	1618.3	1311.9	730.2	192.9	166.2	121.8	103.9	107.1	112.8	124.9	133.2
50°	1839.7	1513.8	708.2	175.2	160.7	112.8	91.5	97.7	103.4	114.1	122.6
52.5°	1973.2	1622.5	622.4	158.6	143.9	108.6	79.3	90.2	91.2	100.8	109.9
55°	1959.2	1552.2	476.7	133.0	119.0	102.7	66.6	81.4	81.9	89.2	96.9
57.5°	1700.5	1332.7	327.4	107.8	89.4	84.8	55.0	68.7	73.6	78.0	83.7
60°	1267.3	972.3	145.9	87.6	56.8	57.3	46.9	51.8	59.4	64.5	69.5
62.5°	746.8	559.4	59.4	52.6	31.4	36.0	37.8	37.8	42.5	46.4	49.5
65°	282.3	195.7	24.1	26.4	16.3	16.8	22.3	27.5	31.1	34.5	38.6
67.5°	49.5	34.2	12.4	9.9	9.6	8.6	11.4	17.9	20.0	22.6	24.4
70°	8.3	7.0	5.2	4.9	4.4	4.7	7.5	12.7	14.0	14.8	15.6
72.5°	2.3	2.1	1.6	1.3	1.0	1.3	4.7	9.9	10.4	10.9	11.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	7.0	7.5	7.8	8.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	2.1	2.6	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1
2.5°	305.9	300.7	297.8	296.3	296.3	294.2	291.9	291.1	294.5	294.5	300.2
5°	275.6	271.4	266.7	263.9	259.5	260.3	257.7	257.4	260.8	262.3	268.3
7.5°	254.6	249.4	246.5	244.7	242.4	241.3	239.0	238.2	240.0	242.6	248.3
10°	240.6	239.8	239.5	240.8	240.8	239.5	237.4	236.1	236.7	241.6	248.1
12.5°	244.2	245.7	246.3	248.3	249.4	248.3	246.8	247.3	250.7	259.7	269.3
15°	260.0	258.7	258.2	259.2	260.0	259.0	258.4	262.3	274.0	287.0	297.8
17.5°	276.8	268.6	264.9	264.9	265.4	264.9	265.4	273.0	291.9	304.8	312.9
20°	285.4	270.1	264.4	263.1	264.1	264.4	266.2	274.8	295.5	304.6	306.4
22.5°	282.8	263.6	257.1	256.1	257.1	258.2	260.0	267.3	286.7	291.4	290.6
25°	269.8	250.9	245.7	245.7	248.1	247.8	248.6	253.8	269.8	272.7	271.4
27.5°	253.5	235.6	231.2	233.8	235.9	235.4	235.6	240.0	252.0	252.7	251.4
30°	236.9	221.4	217.2	220.3	223.2	222.7	222.9	227.3	234.9	234.1	232.3
32.5°	220.1	208.7	205.6	207.4	211.8	211.3	212.3	217.0	219.8	216.4	214.4
35°	204.5	198.6	196.2	197.3	200.6	201.4	203.2	206.3	206.3	202.2	198.6
37.5°	190.0	189.2	187.7	186.4	189.5	191.8	194.4	198.0	192.9	186.9	183.5
40°	176.5	179.9	177.8	174.5	176.3	179.6	184.8	187.7	181.5	175.5	169.8
42.5°	164.1	169.8	169.0	164.9	166.4	169.5	175.5	177.8	170.6	163.8	158.4
45°	152.2	160.2	160.7	155.5	157.1	160.2	167.2	168.0	158.6	151.4	147.5
47.5°	141.8	150.6	150.9	147.0	147.5	151.9	158.4	158.6	148.0	141.3	136.3
50°	131.9	142.1	142.8	139.5	140.0	145.2	150.6	149.6	138.2	131.2	126.8
52.5°	120.0	133.8	135.6	134.0	136.1	140.2	143.6	140.0	126.8	119.8	115.9
55°	107.1	124.9	128.8	127.8	130.1	133.5	134.3	131.9	115.4	108.4	104.7
57.5°	92.0	102.9	109.7	107.6	109.4	112.8	115.1	113.3	100.8	95.4	92.3
60°	76.2	83.5	85.0	81.7	80.1	86.1	91.5	89.2	78.5	75.2	71.5
62.5°	55.7	64.0	65.1	60.7	58.8	65.3	70.0	67.7	56.0	52.4	49.5
65°	44.6	52.4	54.4	50.3	49.3	54.2	57.0	51.3	43.0	39.1	36.0
67.5°	29.3	35.5	41.0	40.7	38.6	40.2	38.1	33.4	27.5	25.4	23.3
70°	18.1	21.8	25.1	26.4	26.2	25.7	22.8	19.4	17.6	16.8	15.8
72.5°	14.0	17.6	20.2	21.0	21.3	20.5	18.1	15.0	13.2	12.2	11.4
75°	10.4	13.2	15.3	16.3	16.8	16.3	14.0	11.9	10.1	9.3	8.6
77.5°	3.6	4.4	5.4	6.0	5.7	5.4	4.9	4.9	3.9	3.6	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1	339.1
2.5°	306.7	311.3	319.9	327.7	335.9	344.5	353.8	363.4	367.8	367.3
5°	277.4	287.5	301.5	316.8	333.9	352.3	372.8	393.8	402.8	406.7
7.5°	259.0	273.2	291.6	311.1	333.6	359.8	390.6	423.6	436.8	441.2
10°	261.3	277.9	293.2	312.1	336.2	370.2	408.5	447.7	463.2	468.2
12.5°	280.2	283.8	288.0	303.5	333.9	377.9	424.9	471.5	489.4	494.3
15°	297.3	280.5	272.7	287.0	325.6	383.4	441.5	497.2	516.9	522.6
17.5°	298.1	272.7	255.3	266.5	312.1	385.7	457.8	523.4	544.9	550.3
20°	288.5	264.1	241.9	242.1	293.7	385.2	471.3	547.0	571.1	576.0
22.5°	274.5	254.0	231.0	222.9	274.0	384.2	486.0	572.1	598.3	602.9
25°	259.0	241.1	220.6	208.4	254.3	385.2	506.8	605.0	633.8	638.2
27.5°	242.1	226.8	212.6	202.7	237.7	389.1	531.7	647.0	681.2	685.9
30°	224.5	213.1	207.4	201.4	227.3	390.1	558.6	696.0	739.3	745.8
32.5°	207.1	200.9	201.2	202.2	217.5	382.9	583.2	750.4	808.2	818.6
35°	191.0	189.2	194.4	199.6	203.2	364.2	604.8	814.7	893.5	904.2
37.5°	177.3	178.9	185.3	190.5	187.7	337.8	633.3	895.1	988.9	998.0
40°	164.1	168.0	175.5	177.8	175.8	306.9	667.5	972.6	1071.6	1084.1
42.5°	151.9	154.8	165.4	165.9	172.4	275.6	700.4	1056.1	1166.8	1173.2
45°	142.1	141.5	152.4	155.8	176.8	240.8	732.6	1167.3	1291.2	1300.5
47.5°	132.5	131.9	134.5	149.8	178.6	208.7	764.4	1330.1	1471.6	1487.7
50°	123.4	124.2	116.1	147.0	168.8	184.0	779.0	1480.7	1635.7	1642.4
52.5°	115.4	112.5	98.5	137.6	147.8	160.7	737.7	1549.1	1737.3	1756.5
55°	103.9	88.1	81.1	111.7	116.6	140.2	604.2	1509.4	1746.1	1780.1
57.5°	88.9	69.2	69.0	82.4	82.4	130.1	387.0	1289.6	1504.8	1564.4
60°	68.4	53.7	57.0	57.3	52.9	94.9	217.2	934.2	1112.6	1171.9
62.5°	48.7	41.0	43.0	34.2	30.3	47.4	104.2	537.9	686.7	695.0
65°	32.7	27.7	22.6	18.9	18.7	20.2	43.0	194.4	236.4	266.7
67.5°	21.5	16.8	11.9	11.9	13.5	13.5	16.3	32.1	45.1	41.2
70°	14.0	11.7	7.5	7.3	8.8	8.8	8.3	8.8	9.3	9.3
72.5°	10.4	8.8	4.4	3.9	4.9	5.2	4.7	4.4	4.4	4.4
75°	7.8	6.2	2.6	1.8	2.3	3.1	2.6	1.8	1.8	1.6
77.5°	3.1	2.3	1.0	0.8	1.3	1.8	1.6	0.8	0.5	0.5
80°	0.3	0.5	0.5	0.5	0.8	1.0	1.3	0.5	0.3	0.3
82.5°	0.0	0.3	0.3	0.3	0.5	0.8	1.0	0.5	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.5	0.8	0.5	0.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	0.5	0.3	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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