

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: P628916

Luminaire Tested: GWS-SA1A-750-U-SLR-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-43)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-750-U-SLR-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2275.9 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

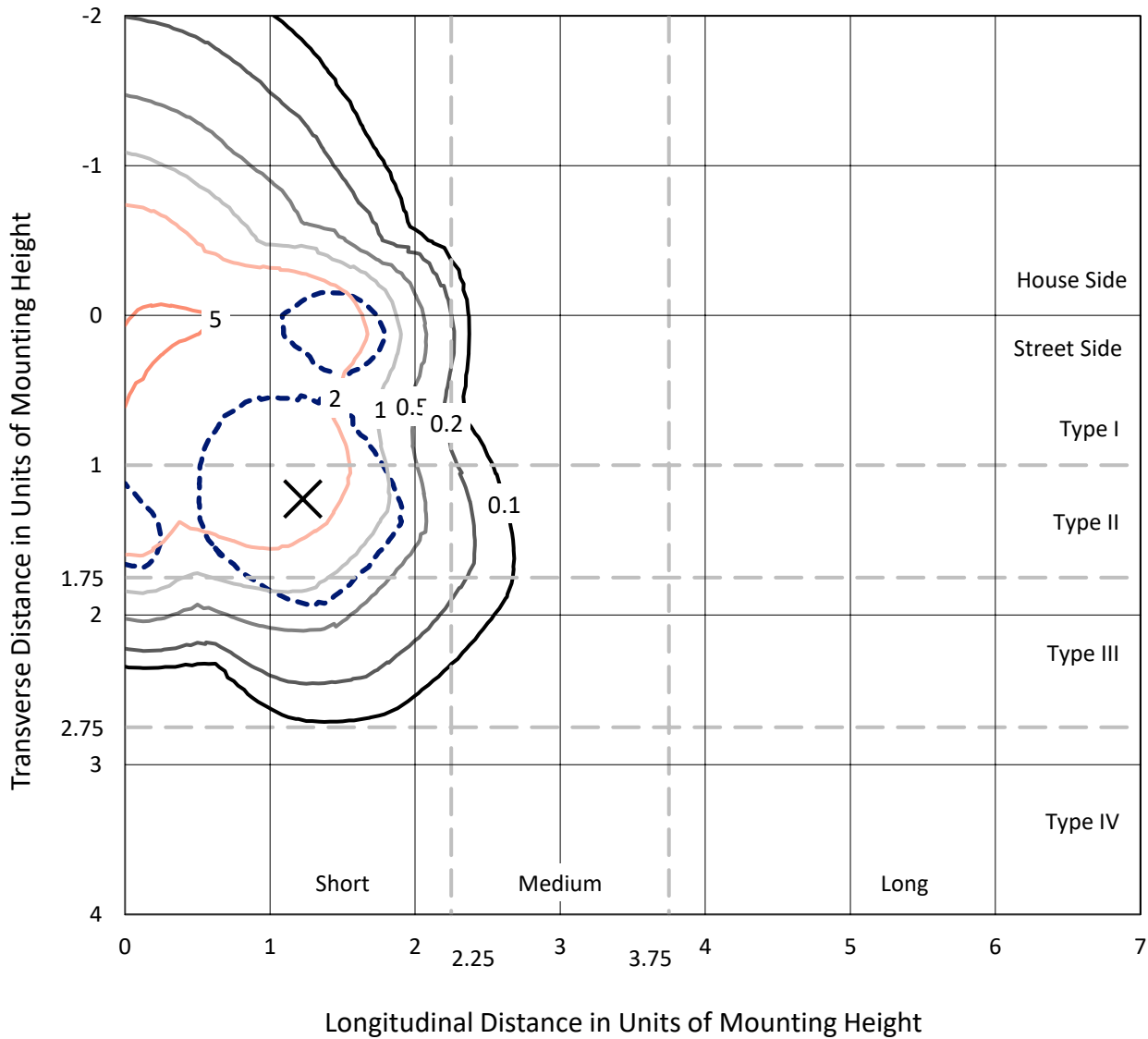
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

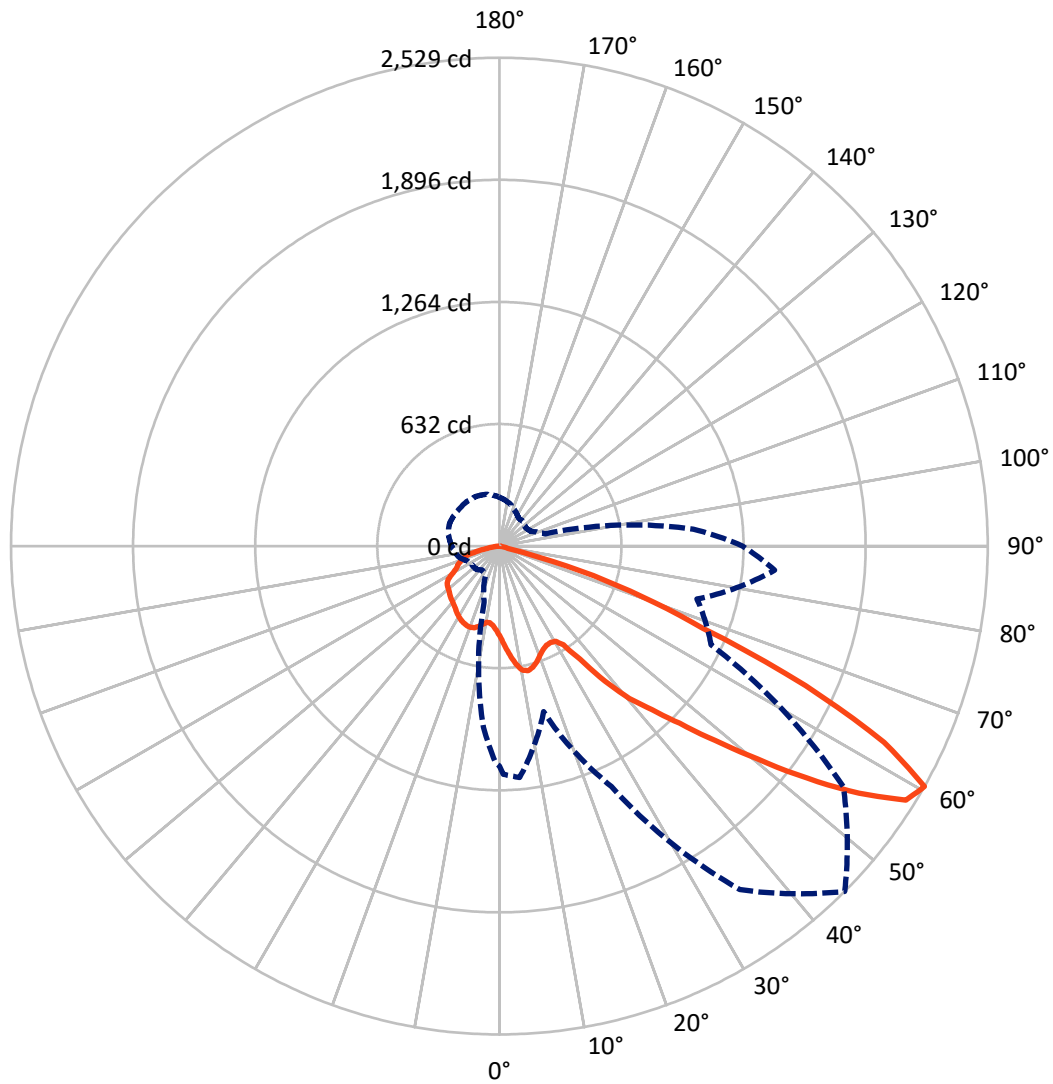
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	797.8	0.0	797.8
	% Fixture	35.1	0.0	35.1
Street Side	Lumens	1478.1	0.0	1478.1
	% Fixture	64.9	0.0	64.9
Total	Lumens	2275.9	0.0	2275.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	2.0
10°-20°	144.1	6.3
20°-30°	234.2	10.3
30°-40°	330.2	14.5
40°-50°	456.4	20.1
50°-60°	587.5	25.8
60°-70°	372.2	16.4
70°-80°	95.5	4.2
80°-90°	10.2	0.4
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°	2275.9	100.0
0°-180°	2275.9	100.0

Coefficient of Utilization



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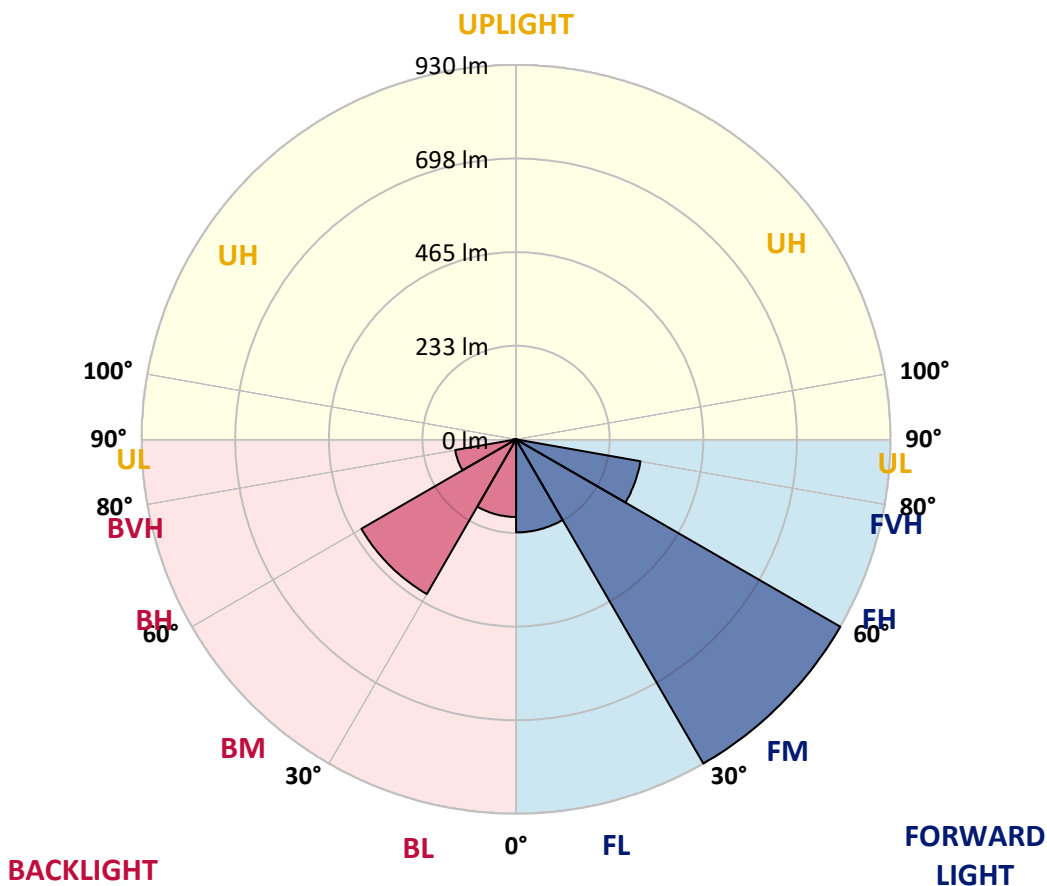
CATALOG NUMBER: GWS-SA1A-750-U-SLR-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	231.1	10.2			
FM (30°-60°)	930.3	40.9			
FH (60°-80°)	314.0	13.8			G0/660
FVH (80°-90°)	2.8	0.1			G0/10
BL (0°-30°)	192.8	8.5	B1/500		
BM (30°-60°)	443.8	19.5	B1/1000		
BH (60°-80°)	153.7	6.8	B1/500		G1/500
BVH (80°-90°)	7.4	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5
2.5°	489.0	492.4	494.4	498.4	505.5	509.5	513.8	509.0	510.3	509.7	501.9
5°	518.0	522.0	527.4	539.1	552.2	559.5	566.4	565.3	558.9	548.0	540.3
7.5°	545.1	549.7	559.1	578.1	597.5	608.7	617.1	611.6	606.2	589.1	569.7
10°	566.4	569.1	581.8	607.3	629.8	642.5	652.7	651.5	644.0	624.8	598.7
12.5°	586.4	588.3	602.0	627.5	647.7	653.3	661.7	664.4	661.9	647.5	621.9
15°	607.9	611.4	624.1	643.5	652.7	646.9	649.8	657.3	664.4	664.4	640.8
17.5°	627.9	631.0	644.0	652.3	643.5	628.1	628.9	638.5	655.4	673.2	658.1
20°	645.6	648.5	661.3	653.3	625.6	603.1	602.5	614.1	641.5	678.8	676.7
22.5°	665.0	669.2	679.8	654.2	608.9	580.4	580.1	592.2	629.2	684.4	698.0
25°	692.5	699.0	704.4	661.5	600.0	565.5	568.3	579.7	625.2	693.6	729.5
27.5°	733.4	738.6	738.2	676.7	599.5	559.5	565.1	578.5	632.3	709.9	762.6
30°	777.6	780.3	776.0	698.0	609.1	563.3	571.6	587.4	650.2	736.8	811.4
32.5°	826.6	830.0	821.6	729.9	631.4	591.0	609.3	617.1	675.4	775.5	863.1
35°	882.9	889.4	872.1	772.0	697.1	692.1	718.8	708.8	729.0	821.4	918.4
37.5°	942.2	942.4	917.6	834.4	826.0	834.6	887.9	856.7	842.7	872.5	974.7
40°	992.4	991.2	953.0	918.4	938.2	972.2	1036.6	988.7	952.0	941.1	1021.4
42.5°	1042.7	1038.1	999.5	971.8	1015.6	1085.4	1158.2	1099.4	1022.0	1003.5	1067.5
45°	1106.9	1105.4	1058.9	993.0	1085.4	1212.2	1308.8	1213.5	1063.5	1039.8	1144.2
47.5°	1210.5	1203.5	1116.9	991.4	1150.9	1381.1	1503.1	1357.1	1092.5	1040.6	1268.1
50°	1311.9	1303.1	1186.1	991.2	1218.5	1556.3	1732.5	1531.7	1122.1	1045.6	1394.1
52.5°	1414.3	1414.3	1299.8	1014.7	1289.4	1751.9	1997.6	1749.2	1172.6	1111.1	1549.0
55°	1475.2	1491.4	1427.6	1054.6	1372.4	1982.1	2259.7	1984.0	1250.6	1229.3	1692.1
57.5°	1397.8	1428.3	1419.1	1026.8	1421.4	2151.3	2482.0	2162.1	1289.2	1243.3	1670.6
60°	1139.0	1181.4	1202.4	886.7	1373.0	2170.9	2528.5	2173.8	1209.5	1058.7	1431.0
62.5°	757.2	792.0	824.1	633.5	1188.7	1952.9	2236.3	1953.6	1010.1	790.1	991.4
65°	371.4	397.3	431.9	374.5	928.6	1631.8	1743.6	1578.6	730.7	442.3	505.7
67.5°	97.2	104.5	109.3	145.3	665.2	1172.4	1137.1	1154.7	469.4	144.5	132.2
70°	50.5	50.9	50.7	60.1	449.6	745.1	783.7	725.1	327.6	60.5	52.1
72.5°	36.1	36.3	35.7	40.5	217.1	426.9	442.3	437.5	171.6	35.9	35.7
75°	23.6	23.8	23.4	23.8	32.7	48.6	44.8	47.1	28.6	22.7	22.7
77.5°	14.0	14.2	14.0	14.4	14.0	14.0	12.9	12.9	12.3	12.3	12.5
80°	9.4	9.4	9.2	9.6	8.8	8.8	8.3	8.1	7.5	7.3	7.3
82.5°	5.6	5.8	5.6	5.6	5.2	5.2	4.8	4.6	4.0	4.0	3.8
85°	2.9	2.9	2.7	2.7	2.3	2.1	1.7	1.7	1.3	1.0	1.0
87.5°	0.4	0.4	0.2	0.2	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°	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5
2.5°	499.9	495.7	489.4	483.4	477.8	471.9	465.2	458.4	452.5	446.5	443.3
5°	530.1	521.5	505.3	490.9	478.0	467.3	455.9	446.1	436.9	429.4	425.6
7.5°	557.4	544.1	519.5	496.7	479.2	464.6	448.8	434.2	421.9	412.7	409.1
10°	582.6	566.8	534.5	505.7	485.3	469.0	449.6	429.8	413.5	401.4	398.5
12.5°	603.1	584.9	546.4	513.0	488.8	471.3	454.2	437.1	421.0	405.4	402.9
15°	621.2	599.7	555.3	517.6	487.6	465.2	450.9	448.8	448.8	431.0	426.0
17.5°	636.9	613.3	562.6	519.7	479.6	447.3	438.6	456.7	477.1	464.4	453.1
20°	654.8	626.2	568.7	519.7	465.0	424.6	423.7	454.6	484.8	485.1	473.2
22.5°	672.9	641.2	575.8	517.8	445.0	398.3	413.7	446.3	473.2	484.6	476.5
25°	702.3	662.1	587.0	516.3	421.7	380.4	404.8	435.2	457.9	470.0	464.8
27.5°	739.7	689.6	604.1	518.6	398.5	369.7	395.2	420.8	441.5	452.1	448.4
30°	781.4	721.3	622.5	522.6	381.8	364.3	383.7	404.4	422.7	433.3	431.7
32.5°	834.6	755.7	638.3	517.2	372.4	361.6	371.6	386.4	404.1	410.8	412.3
35°	898.2	793.7	650.4	495.9	363.9	358.7	358.5	367.6	380.2	390.8	391.8
37.5°	956.8	838.1	663.8	459.4	348.5	351.4	343.0	348.5	360.8	371.4	375.6
40°	1014.7	883.1	682.3	412.9	328.2	335.1	325.3	329.1	338.9	352.8	359.5
42.5°	1071.0	923.8	701.9	365.4	308.0	312.4	305.1	308.8	319.1	336.6	344.1
45°	1132.3	978.9	717.2	320.5	290.5	288.6	282.8	288.2	303.6	322.8	331.8
47.5°	1248.3	1065.6	727.2	290.7	281.1	267.6	260.9	272.6	290.1	309.5	320.3
50°	1389.9	1191.2	724.2	271.7	273.0	245.9	243.6	259.0	277.8	298.0	309.9
52.5°	1502.1	1314.4	691.1	253.6	257.1	232.1	225.4	247.9	265.9	286.5	298.8
55°	1587.8	1355.9	589.3	232.1	231.3	222.1	208.1	236.5	254.0	273.2	286.5
57.5°	1517.9	1263.5	436.9	202.5	197.5	202.3	188.7	217.1	239.4	258.4	270.3
60°	1259.8	1007.4	243.4	179.3	165.2	176.8	174.8	196.6	223.6	243.6	253.8
62.5°	855.2	670.9	144.3	141.8	133.9	150.6	161.6	176.0	202.5	218.8	228.3
65°	426.2	325.9	95.9	106.1	107.2	123.9	144.7	160.6	182.7	199.4	209.0
67.5°	123.7	101.3	73.0	81.1	92.4	105.7	122.4	141.2	162.7	182.5	193.7
70°	53.4	54.0	58.0	67.6	78.6	92.4	109.1	127.4	145.6	160.8	169.3
72.5°	37.7	39.2	43.6	53.4	63.8	76.9	93.6	111.4	124.5	139.9	148.9
75°	24.2	25.2	28.8	36.3	44.0	56.7	72.6	88.8	102.4	113.4	122.0
77.5°	13.3	13.6	16.5	20.9	26.1	34.2	45.9	58.6	68.6	74.9	82.6
80°	7.7	7.7	9.2	11.9	15.0	20.0	26.5	32.7	38.8	42.7	46.5
82.5°	4.2	4.2	4.8	6.5	8.1	11.1	14.8	17.9	21.7	23.8	26.3
85°	1.3	1.3	1.7	2.3	2.9	4.2	5.8	7.5	9.2	10.6	12.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
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°	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5
2.5°	442.7	439.8	438.1	436.0	436.7	434.8	433.8	434.4	430.6	434.4	438.1
5°	424.2	420.0	416.7	413.9	412.7	410.2	408.7	408.7	406.4	410.2	414.8
7.5°	407.9	404.6	402.9	401.2	399.3	397.1	394.5	393.7	392.3	396.2	400.2
10°	397.1	397.5	398.5	400.8	400.4	398.9	395.2	393.1	393.1	397.7	403.7
12.5°	402.1	406.4	408.9	413.1	413.9	412.7	408.9	407.3	411.4	418.3	428.3
15°	421.5	424.4	426.5	429.8	429.6	428.5	425.6	426.9	440.6	454.0	462.9
17.5°	442.5	439.2	438.8	440.8	441.5	440.2	438.6	444.2	466.9	479.4	484.0
20°	457.7	446.3	443.8	444.6	446.3	445.6	445.6	454.8	478.4	484.2	478.4
22.5°	462.3	446.1	442.3	442.5	444.8	445.0	446.1	455.7	469.4	469.6	460.7
25°	455.0	439.4	436.7	437.1	439.8	439.6	440.0	445.4	451.5	449.0	442.3
27.5°	441.3	427.7	426.9	429.2	432.7	430.8	429.6	431.0	434.0	430.8	425.0
30°	425.6	414.2	414.6	418.9	422.7	419.6	416.4	417.3	417.5	414.2	407.5
32.5°	409.1	400.6	402.1	406.6	411.0	407.7	404.4	403.9	400.0	396.0	389.5
35°	392.7	389.3	391.2	395.0	398.7	396.0	393.9	392.7	384.1	378.3	372.9
37.5°	377.7	380.2	383.5	385.8	387.0	386.8	385.6	382.7	371.4	364.5	357.4
40°	364.3	372.0	375.6	376.6	378.5	378.1	377.9	373.7	358.9	351.6	343.5
42.5°	352.2	363.1	369.1	370.2	371.2	371.4	370.8	364.7	347.8	339.3	331.6
45°	340.5	354.7	362.4	361.4	362.9	362.9	363.5	355.6	337.0	328.2	320.1
47.5°	330.3	347.0	354.1	352.8	353.7	354.3	354.9	345.8	325.1	316.8	308.4
50°	320.9	338.7	344.7	345.1	345.1	346.6	346.4	337.4	315.1	306.1	297.8
52.5°	310.9	330.1	336.6	339.3	340.1	340.7	337.8	327.4	304.9	294.0	286.3
55°	299.2	321.4	327.2	330.7	332.4	332.0	328.0	317.4	294.5	283.6	274.8
57.5°	281.5	302.6	310.9	312.6	315.3	313.6	309.0	300.1	277.8	266.9	258.0
60°	262.1	277.4	284.0	285.5	283.4	284.0	283.4	274.8	255.5	246.9	237.7
62.5°	236.7	250.2	257.3	259.2	255.7	258.0	257.1	246.5	227.1	218.1	210.0
65°	217.5	232.3	240.6	241.7	240.6	241.7	238.8	225.8	207.5	198.3	190.0
67.5°	202.5	217.7	226.5	229.4	228.3	228.1	223.6	208.5	189.6	179.5	168.9
70°	176.6	190.0	201.2	208.3	208.3	204.4	195.6	181.6	166.4	157.9	149.5
72.5°	156.4	173.3	184.3	191.6	193.1	190.8	178.5	163.7	146.2	137.6	128.9
75°	128.9	145.3	157.2	166.8	168.7	166.2	152.0	137.4	121.2	112.8	104.1
77.5°	86.1	95.9	105.5	114.3	112.4	114.1	104.5	93.4	83.4	77.2	73.2
80°	48.6	55.1	58.0	62.8	62.8	62.8	56.5	51.3	45.7	42.1	38.2
82.5°	27.5	31.7	32.9	36.9	38.0	38.2	34.0	30.7	27.1	25.2	22.5
85°	12.7	15.0	15.2	17.5	18.4	20.0	18.1	15.8	13.8	12.9	11.3
87.5°	0.4	1.3	1.7	3.1	4.2	4.8	5.2	5.2	4.4	4.0	3.3
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°	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5	467.5
2.5°	442.7	447.7	453.6	457.7	465.2	471.5	478.0	485.1	490.3	489.0
5°	420.4	428.7	439.4	449.2	463.2	477.3	493.0	509.0	518.4	518.0
7.5°	407.9	419.8	432.7	445.8	462.3	482.8	506.7	531.8	544.5	545.1
10°	414.6	427.3	436.0	447.1	464.4	490.1	518.8	548.9	563.5	566.4
12.5°	435.6	434.6	434.0	441.9	462.7	495.3	530.5	566.4	582.9	586.4
15°	455.7	434.2	421.2	426.7	455.2	498.6	542.0	585.6	604.1	607.9
17.5°	459.4	426.9	402.9	406.6	443.3	499.7	553.0	604.3	624.4	627.9
20°	449.0	417.5	389.5	384.3	428.3	496.9	559.9	620.0	641.9	645.6
22.5°	435.8	409.1	379.5	366.0	410.0	494.2	567.6	636.5	661.7	665.0
25°	422.1	398.5	370.2	349.5	389.1	492.6	580.6	658.1	688.6	692.5
27.5°	407.5	385.6	362.0	341.6	369.9	494.6	598.9	693.2	727.8	733.4
30°	391.8	372.7	356.8	338.9	356.8	496.5	619.1	729.0	769.7	777.6
32.5°	375.6	360.8	351.4	340.1	348.7	492.1	636.9	769.3	819.8	826.6
35°	359.3	348.7	344.5	342.4	337.8	476.1	651.3	810.0	876.9	882.9
37.5°	344.1	336.2	334.9	337.2	321.1	449.8	667.9	861.7	933.0	942.2
40°	329.9	322.6	322.4	322.0	302.8	413.9	690.5	914.2	988.2	992.4
42.5°	316.8	307.6	309.3	304.3	287.8	375.2	711.7	959.1	1039.8	1042.7
45°	305.1	293.0	294.9	288.6	280.7	334.5	730.5	1012.0	1105.0	1106.9
47.5°	293.8	280.9	275.7	275.3	279.4	297.0	748.9	1114.0	1207.2	1210.5
50°	283.4	269.4	254.6	263.8	271.7	268.8	771.8	1223.3	1312.7	1311.9
52.5°	273.4	255.0	234.0	251.7	251.7	247.9	765.3	1289.6	1399.9	1414.3
55°	261.9	231.9	212.5	231.5	222.3	229.2	650.8	1311.3	1454.7	1475.2
57.5°	239.2	203.3	186.4	196.6	182.9	212.5	467.5	1203.7	1361.5	1397.8
60°	217.3	182.3	171.2	169.3	151.4	173.3	303.0	942.4	1120.7	1139.0
62.5°	191.6	164.1	154.7	140.3	121.8	126.2	183.5	620.2	753.0	757.2
65°	172.3	148.7	130.8	113.7	99.7	91.5	108.4	299.0	376.4	371.4
67.5°	147.9	127.4	110.3	98.0	86.5	76.3	72.2	88.8	100.5	97.2
70°	131.6	112.0	95.5	83.8	73.2	63.0	55.7	52.3	51.3	50.5
72.5°	113.4	96.3	79.2	68.0	58.0	48.6	41.9	38.0	36.9	36.1
75°	90.5	74.4	58.8	48.2	39.4	32.7	28.4	25.0	24.4	23.6
77.5°	59.8	47.8	35.0	28.6	23.4	19.8	16.9	14.8	14.4	14.0
80°	32.9	27.5	21.5	17.3	14.0	12.1	11.1	9.8	9.6	9.4
82.5°	19.6	16.5	12.3	9.8	8.1	7.3	6.7	6.0	5.8	5.6
85°	9.8	7.7	5.4	4.6	4.2	3.8	3.8	3.1	2.9	2.9
87.5°	2.5	2.1	1.3	1.0	1.0	1.0	0.8	0.6	0.6	0.4
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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