

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: P629467

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629467
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-SA1B-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: 2244 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B0 - U0 - G1

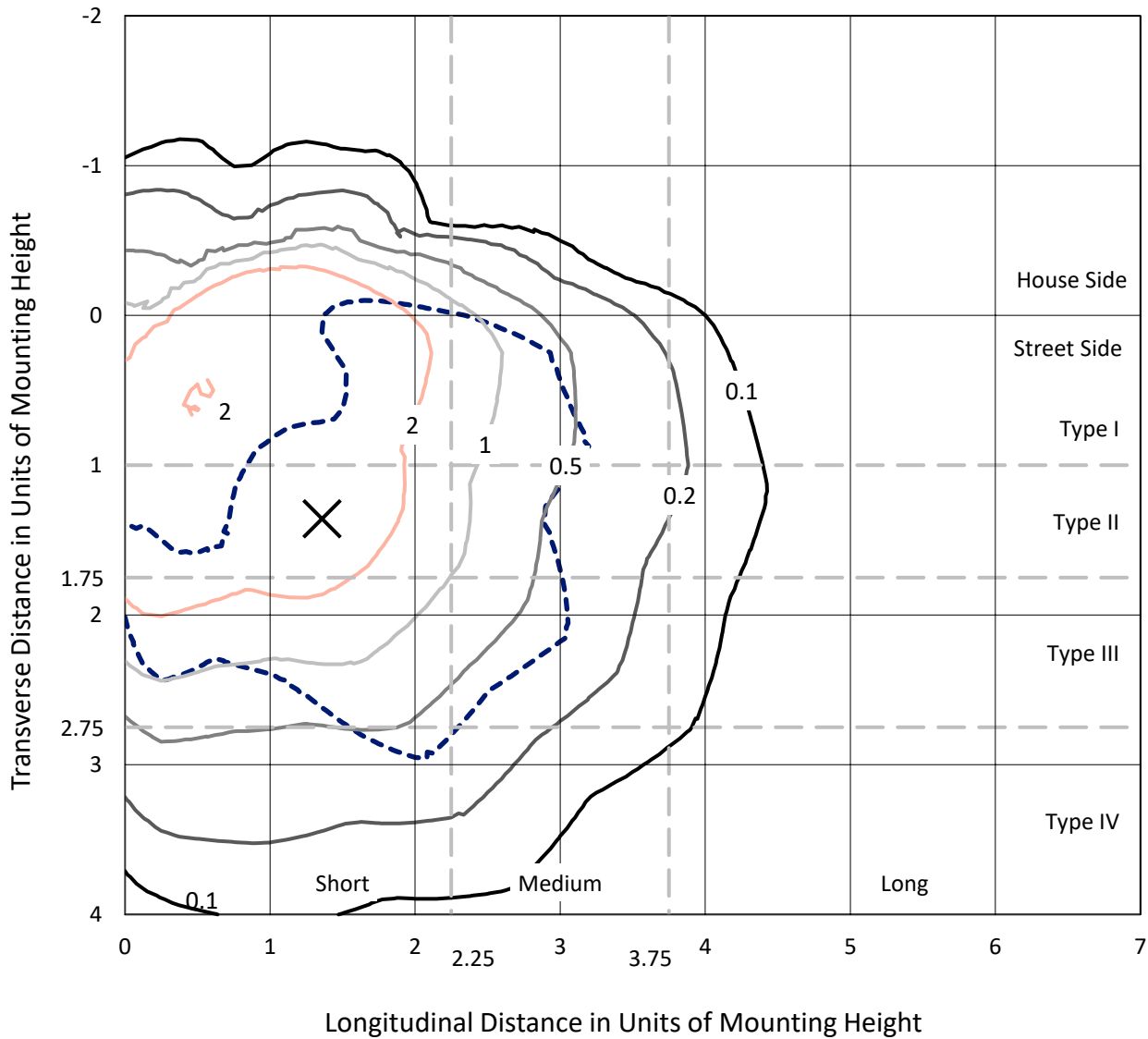
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

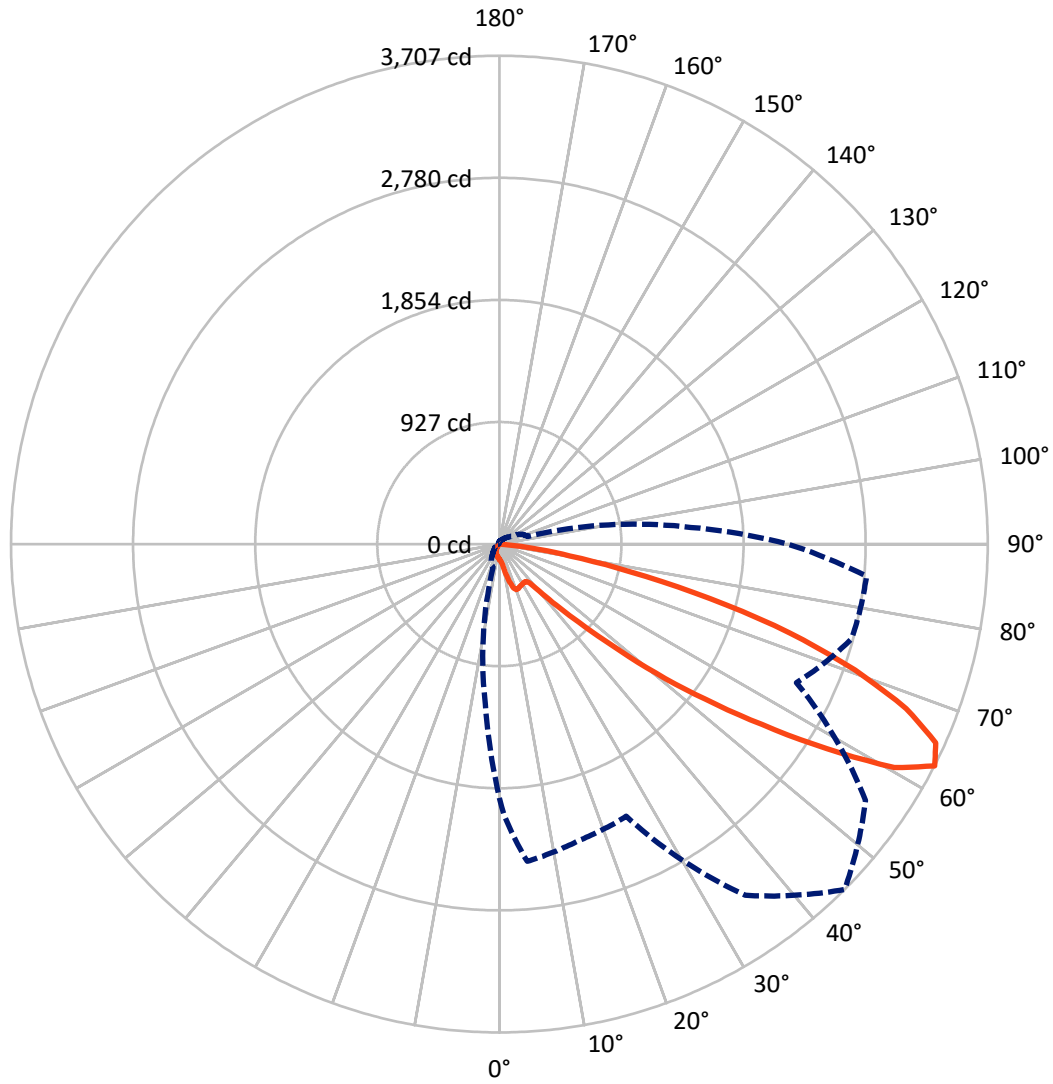
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 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	276.9	0.0	276.9
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	1967.1	0.0	1967.1
	% Fixture	87.7	0.0	87.7
Total	Lumens	2244.0	0.0	2244.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.5
10°-20°	39.1	1.7
20°-30°	85.0	3.8
30°-40°	139.6	6.2
40°-50°	256.6	11.4
50°-60°	551.1	24.6
60°-70°	740.2	33.0
70°-80°	385.4	17.2
80°-90°	36.5	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°	2244.0	100.0
0°-180°	2244.0	100.0

Coefficient of Utilization



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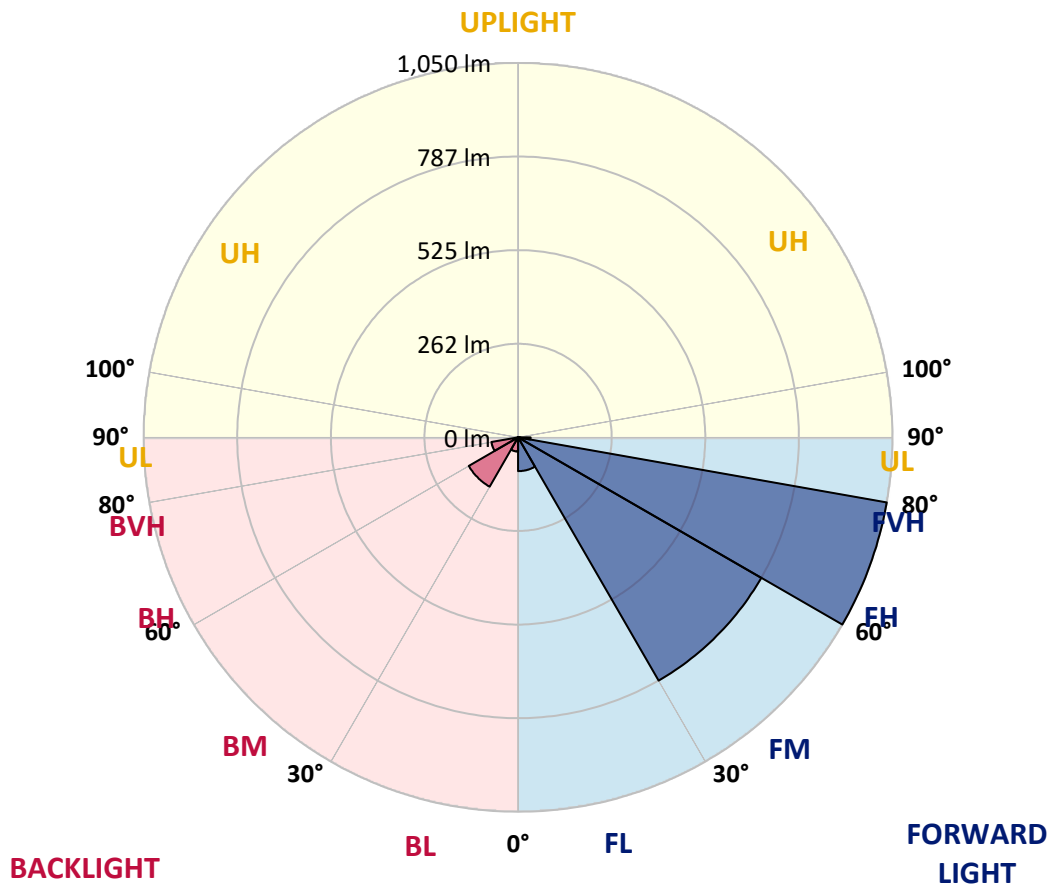
CATALOG NUMBER: GWS-SA1B-760-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.8	4.2			
FM (30°-60°)	787.6	35.1			
FH (60°-80°)	1049.8	46.8			G1/1800
FVH (80°-90°)	34.9	1.6			G1/100
BL (0°-30°)	39.7	1.8	B0/110		
BM (30°-60°)	159.7	7.1	B0/220		
BH (60°-80°)	75.9	3.4	B0/110		G0/110
BVH (80°-90°)	1.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
2.5°	119.0	119.5	120.0	121.8	123.1	124.2	124.4	123.6	121.8	120.0	117.4
5°	115.3	115.9	117.7	122.6	127.5	131.4	132.7	131.9	127.5	121.8	115.9
7.5°	115.1	116.1	120.5	130.9	141.5	149.6	151.6	149.8	141.5	130.1	117.9
10°	124.4	126.2	132.7	151.4	170.8	185.1	190.8	183.0	169.8	149.0	129.1
12.5°	148.8	151.9	164.3	191.6	221.6	240.5	248.3	238.7	218.0	187.9	156.3
15°	187.1	191.8	210.5	251.2	286.7	303.5	306.1	300.7	276.6	243.4	200.9
17.5°	241.3	248.1	277.1	318.6	344.2	350.2	349.4	343.7	326.1	303.3	263.1
20°	306.1	314.2	342.7	376.9	379.5	372.5	368.6	365.2	359.3	355.4	324.0
22.5°	371.4	381.3	411.1	419.6	396.3	376.1	366.5	369.1	377.9	397.1	384.4
25°	436.5	445.8	473.8	450.8	404.1	370.4	358.2	364.4	385.4	426.9	443.2
27.5°	512.4	519.4	536.0	472.0	405.4	365.7	353.8	363.4	389.1	445.6	507.8
30°	591.5	595.6	587.6	477.7	401.0	358.7	349.4	363.4	395.3	458.0	556.2
32.5°	649.6	650.3	624.2	478.2	398.7	353.0	345.3	361.8	401.2	468.4	603.2
35°	709.4	705.5	659.2	486.0	404.9	355.1	348.4	366.3	410.6	480.6	644.4
37.5°	770.1	763.1	698.3	498.7	420.9	377.7	373.5	388.8	425.6	497.4	689.7
40°	832.3	822.7	739.0	517.9	456.7	454.4	468.6	466.8	466.8	518.9	736.4
42.5°	908.2	897.1	799.1	572.1	540.2	592.3	631.2	607.1	562.5	568.4	797.0
45°	1008.6	999.0	903.3	675.7	671.1	790.8	843.2	795.5	684.6	682.7	898.4
47.5°	1169.0	1167.2	1069.5	796.0	831.3	1043.5	1144.6	1052.9	823.7	803.8	1090.2
50°	1394.5	1389.1	1276.6	937.0	1021.8	1356.7	1537.1	1384.1	992.0	945.1	1347.1
52.5°	1648.5	1654.2	1566.6	1091.0	1224.2	1705.0	1956.2	1763.6	1174.7	1124.7	1670.3
55°	1887.8	1920.4	1897.4	1271.1	1422.0	2089.7	2416.5	2179.9	1401.0	1359.8	2032.7
57.5°	2074.9	2166.9	2328.7	1532.9	1654.5	2539.7	2930.5	2631.2	1665.1	1741.6	2525.9
60°	2085.3	2207.1	2582.7	2080.6	1953.6	2925.6	3443.8	3072.1	2080.4	2389.8	2912.4
62.5°	1929.0	2059.6	2417.3	2329.5	2279.4	3254.0	3707.1	3393.5	2488.9	2769.6	2797.8
65°	1750.1	1882.1	2232.8	2047.2	2241.6	3240.0	3640.2	3401.0	2525.9	2511.4	2592.8
67.5°	1479.8	1598.2	1915.8	1812.1	2066.1	3083.7	3331.3	3186.6	2327.1	2348.9	2385.2
70°	1080.1	1194.1	1488.9	1494.0	1804.3	2802.0	2862.4	2842.4	2143.1	2166.2	2062.5
72.5°	780.2	876.4	1130.6	1225.2	1440.4	2349.7	2307.9	2384.9	1838.8	1929.2	1656.6
75°	560.9	633.0	829.4	1065.8	1141.8	1744.9	1652.2	1847.1	1475.4	1661.2	1245.5
77.5°	227.6	253.0	326.3	718.0	750.4	1173.9	1011.4	1341.6	1051.8	1091.5	603.7
80°	9.3	10.4	13.5	370.7	514.5	660.4	541.2	717.2	694.7	439.6	142.6
82.5°	1.0	1.0	2.3	106.8	225.2	364.4	255.1	413.2	351.7	186.4	64.8
85°	0.3	0.3	0.5	12.2	52.9	58.3	34.5	126.7	163.6	76.2	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	2.3	2.6	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°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
2.5°	117.4	116.1	114.6	113.0	112.2	110.2	109.4	108.9	108.3	108.6	108.6
5°	113.5	110.7	107.3	103.9	102.1	100.1	99.0	98.5	98.8	99.8	99.8
7.5°	113.0	107.6	100.3	95.9	93.8	92.3	91.2	90.7	91.0	92.3	92.8
10°	121.6	112.0	99.0	91.5	89.2	87.6	86.6	85.8	85.3	86.3	86.6
12.5°	140.0	126.7	105.2	91.0	86.8	84.8	84.0	82.4	81.6	82.2	82.4
15°	178.1	155.3	117.7	93.1	84.8	82.4	81.1	79.8	78.5	78.3	78.5
17.5°	227.8	195.2	136.6	98.0	83.2	80.4	78.5	76.7	74.9	74.7	74.4
20°	289.5	244.2	163.0	105.8	81.9	78.5	75.9	73.4	71.0	70.2	70.2
22.5°	345.8	303.3	197.0	115.3	80.1	75.9	72.8	69.7	67.1	65.8	65.6
25°	414.5	366.0	237.7	126.5	77.5	72.6	69.2	66.1	63.5	61.9	61.4
27.5°	483.7	432.1	283.8	141.0	74.4	69.2	66.1	63.2	60.4	58.6	58.1
30°	550.8	503.4	335.7	159.2	72.1	65.8	63.2	60.4	57.8	55.0	54.2
32.5°	622.9	576.2	393.7	179.4	70.2	63.5	60.7	58.1	54.7	52.1	50.8
35°	692.3	651.4	457.8	199.1	68.4	61.4	58.3	55.7	52.1	49.2	47.4
37.5°	762.3	727.8	524.6	211.0	65.8	58.6	55.7	53.7	49.5	46.1	44.1
40°	836.4	806.9	596.9	206.1	63.5	55.5	53.9	51.6	46.9	43.0	40.4
42.5°	917.8	882.3	670.6	187.1	61.4	52.9	51.3	49.0	44.6	39.9	36.5
45°	1020.2	965.0	731.0	158.6	62.5	50.3	47.2	46.7	42.5	36.5	32.4
47.5°	1196.2	1092.0	777.9	140.2	69.5	47.4	43.8	45.1	40.7	33.2	28.5
50°	1465.5	1302.5	821.7	138.9	80.1	46.1	40.7	44.1	38.9	29.8	25.1
52.5°	1722.1	1516.3	849.7	150.3	89.4	49.5	37.6	42.8	37.6	27.5	22.8
55°	1967.6	1639.7	799.6	158.6	98.2	59.6	35.3	40.7	36.0	26.2	22.0
57.5°	2232.3	1694.7	629.6	175.5	104.5	68.2	35.8	37.6	34.0	25.4	21.8
60°	2311.3	1624.4	380.0	197.5	101.1	70.8	39.7	33.4	31.1	23.8	21.0
62.5°	2188.4	1457.8	224.2	179.9	98.2	66.9	45.4	30.8	28.3	21.8	19.4
65°	2004.7	1231.5	146.2	151.9	104.2	59.6	48.2	29.5	25.7	19.7	17.1
67.5°	1794.7	992.0	102.4	89.7	96.2	53.7	40.7	29.3	23.1	16.6	14.0
70°	1511.7	742.9	72.1	59.4	80.1	47.7	31.6	28.5	20.2	13.5	10.9
72.5°	1168.0	465.0	53.7	38.4	57.0	38.9	25.1	24.1	16.3	11.1	8.3
75°	861.3	265.2	37.8	27.7	37.6	29.5	18.7	17.1	14.0	10.6	7.5
77.5°	449.7	132.7	23.6	21.3	21.5	18.4	13.5	12.4	13.0	10.6	7.0
80°	86.3	26.4	14.3	15.6	11.7	11.7	9.8	10.4	11.4	8.6	6.0
82.5°	36.0	5.7	7.8	8.8	7.3	8.0	8.0	8.3	8.0	6.2	4.4
85°	0.0	0.0	3.4	3.6	4.9	4.9	4.1	4.1	4.1	3.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	1.6	1.8	2.1	1.6	1.0
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°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
2.5°	108.3	107.8	108.6	109.1	109.6	109.6	109.1	108.6	107.8	108.6	107.8
5°	100.1	100.8	102.1	102.6	103.2	102.1	101.6	100.1	98.8	99.0	98.5
7.5°	93.6	94.3	95.9	96.9	96.9	96.4	94.9	93.3	91.2	91.2	91.0
10°	87.6	88.6	90.5	91.8	92.3	91.8	90.2	88.1	86.3	86.3	85.5
12.5°	82.7	84.0	86.1	87.9	88.4	87.9	86.3	84.2	82.2	82.2	81.6
15°	78.5	80.1	82.4	84.5	85.3	84.5	82.7	80.1	78.0	78.3	77.5
17.5°	74.7	75.9	79.1	81.4	82.2	81.4	79.1	75.7	73.6	74.1	73.6
20°	70.2	71.8	74.9	77.5	78.3	77.5	74.9	71.3	69.2	69.2	69.5
22.5°	65.6	67.1	70.2	72.1	73.1	72.3	69.7	66.4	64.3	64.3	64.5
25°	61.4	62.2	64.5	66.4	66.6	65.8	63.8	61.2	59.6	60.4	60.7
27.5°	57.5	57.5	58.6	59.6	59.4	58.6	57.8	55.7	55.5	56.2	57.0
30°	53.4	52.1	51.6	50.8	50.5	50.3	51.1	51.1	51.6	52.6	53.4
32.5°	49.8	47.2	44.8	42.5	41.2	42.2	44.3	46.1	48.0	49.5	50.3
35°	45.6	41.5	37.6	34.5	32.4	34.0	37.3	40.7	43.8	45.9	47.2
37.5°	41.5	35.5	30.8	27.0	25.4	26.7	30.3	35.0	39.7	42.2	44.1
40°	37.1	29.5	24.1	21.0	19.4	20.7	24.4	29.0	35.3	38.6	41.0
42.5°	32.7	24.4	19.4	16.3	15.6	16.3	19.2	23.8	30.6	34.7	37.8
45°	28.3	20.2	15.6	13.2	12.4	13.2	15.6	19.4	26.2	30.8	34.5
47.5°	24.4	17.1	13.0	10.9	10.4	11.1	13.0	16.3	22.0	26.7	30.8
50°	21.3	15.0	11.1	9.3	8.8	9.6	11.1	13.7	18.7	22.8	27.2
52.5°	19.2	14.0	9.8	8.0	7.8	8.3	9.6	11.7	15.8	19.4	23.6
55°	18.7	14.0	9.1	7.3	7.0	7.5	8.6	10.1	13.7	16.8	20.5
57.5°	19.2	15.0	8.6	6.2	6.0	6.5	7.5	8.8	11.9	14.5	17.9
60°	19.2	15.3	7.5	4.9	4.7	5.2	6.2	7.8	10.6	12.7	15.6
62.5°	17.4	14.0	6.2	3.9	3.4	3.9	5.2	6.5	9.3	11.4	13.7
65°	15.0	11.9	5.2	2.9	2.3	2.9	4.1	5.4	8.0	9.8	12.4
67.5°	12.2	9.1	3.9	2.1	1.6	2.1	3.1	4.4	6.7	8.6	11.1
70°	9.1	6.5	3.1	1.8	1.6	1.8	2.9	4.1	6.0	7.8	10.4
72.5°	6.7	4.4	2.6	1.8	1.3	1.8	2.6	3.9	5.7	7.5	9.8
75°	5.7	3.6	2.3	1.6	1.3	1.6	2.3	3.6	5.2	7.0	9.3
77.5°	5.4	3.4	2.1	1.3	1.0	1.3	2.1	3.1	4.7	6.5	9.1
80°	4.7	2.9	1.8	1.0	0.8	1.0	1.8	2.6	3.6	4.9	7.0
82.5°	3.6	2.3	1.3	0.5	0.3	0.5	1.3	1.6	2.3	2.9	4.1
85°	2.3	1.3	0.5	0.0	0.0	0.0	0.5	1.0	1.0	1.3	2.1
87.5°	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.8
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°	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6
2.5°	109.4	109.6	110.2	110.9	112.8	114.3	115.9	117.9	119.0	119.0
5°	99.0	99.3	99.5	100.6	103.2	105.2	108.6	112.8	114.8	115.3
7.5°	91.0	91.5	92.0	92.8	95.4	98.2	102.6	110.4	114.3	115.1
10°	86.3	87.1	88.1	89.7	92.0	95.1	102.6	116.6	123.1	124.4
12.5°	82.7	84.0	85.0	86.8	89.7	94.6	109.6	134.3	145.7	148.8
15°	79.1	80.6	82.2	84.0	87.1	96.4	123.1	165.9	184.8	187.1
17.5°	75.4	77.2	79.3	81.4	85.3	100.8	144.4	209.7	236.1	241.3
20°	71.3	73.6	76.5	79.1	83.5	107.8	173.9	261.8	295.0	306.1
22.5°	66.9	69.7	73.1	76.5	81.4	116.4	209.7	317.8	364.2	371.4
25°	63.2	66.1	69.2	72.6	78.0	126.7	253.0	387.2	429.5	436.5
27.5°	59.9	62.7	65.6	68.7	74.7	140.2	305.1	461.1	505.2	512.4
30°	56.2	59.6	62.5	65.6	71.5	156.8	365.2	543.0	584.8	591.5
32.5°	53.1	56.5	59.4	62.5	69.2	175.0	428.5	615.6	649.6	649.6
35°	50.5	54.2	56.2	60.4	67.4	186.6	488.3	684.8	710.5	709.4
37.5°	47.7	52.1	53.7	56.5	65.1	187.9	544.6	757.9	776.8	770.1
40°	44.8	49.5	51.8	53.4	62.5	177.3	606.3	825.0	841.1	832.3
42.5°	42.2	45.9	49.2	51.1	60.9	158.6	655.8	896.8	916.0	908.2
45°	39.7	42.8	44.8	48.2	61.9	145.7	698.3	980.6	1014.3	1008.6
47.5°	37.1	39.7	41.0	46.1	68.9	139.7	724.2	1110.2	1173.7	1169.0
50°	34.2	37.3	37.3	45.6	79.3	141.8	746.8	1297.8	1396.1	1394.5
52.5°	31.4	34.7	34.2	49.5	87.4	151.4	772.4	1463.5	1634.3	1648.5
55°	28.5	31.6	32.1	57.3	92.0	159.7	673.1	1533.2	1837.7	1887.8
57.5°	25.4	27.2	33.4	63.2	90.5	183.8	461.1	1545.9	1967.6	2074.9
60°	22.0	23.6	37.8	61.9	85.5	169.8	290.3	1431.8	1949.2	2085.3
62.5°	19.2	21.8	39.9	54.7	87.1	147.2	185.1	1220.3	1773.7	1929.0
65°	16.8	21.0	36.3	49.5	88.1	99.8	124.9	992.7	1602.4	1750.1
67.5°	15.0	23.3	29.8	44.1	75.7	70.2	85.8	771.4	1347.3	1479.8
70°	13.7	23.8	24.4	37.8	58.6	45.1	56.5	519.2	928.7	1080.1
72.5°	12.4	17.6	18.4	30.3	37.8	27.5	36.5	297.0	677.0	780.2
75°	11.9	11.9	12.7	19.7	21.0	20.0	23.6	177.3	485.5	560.9
77.5°	11.1	9.1	8.0	12.7	11.4	14.3	14.0	78.8	210.5	227.6
80°	8.8	6.5	5.4	8.0	7.8	9.6	8.3	6.5	9.6	9.3
82.5°	5.4	4.1	3.9	4.9	4.4	4.9	3.9	1.0	1.0	1.0
85°	2.6	2.3	2.1	2.1	2.3	2.1	1.6	0.5	0.3	0.3
87.5°	1.3	1.3	1.0	0.8	1.0	1.0	0.8	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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