

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: P630946

Luminaire Tested: GWS-SA1E-760-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-40)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-760-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4628.8 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

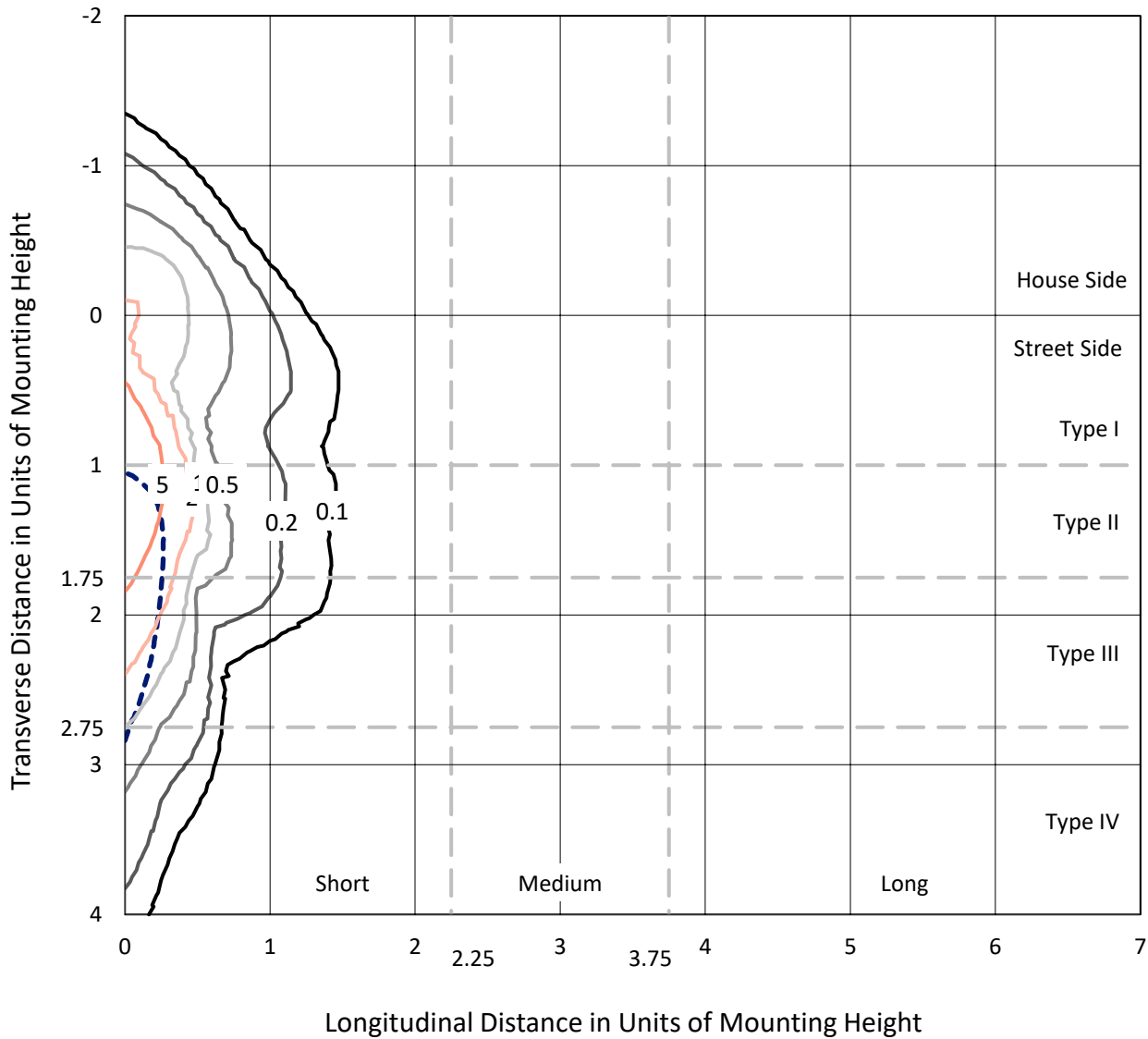
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

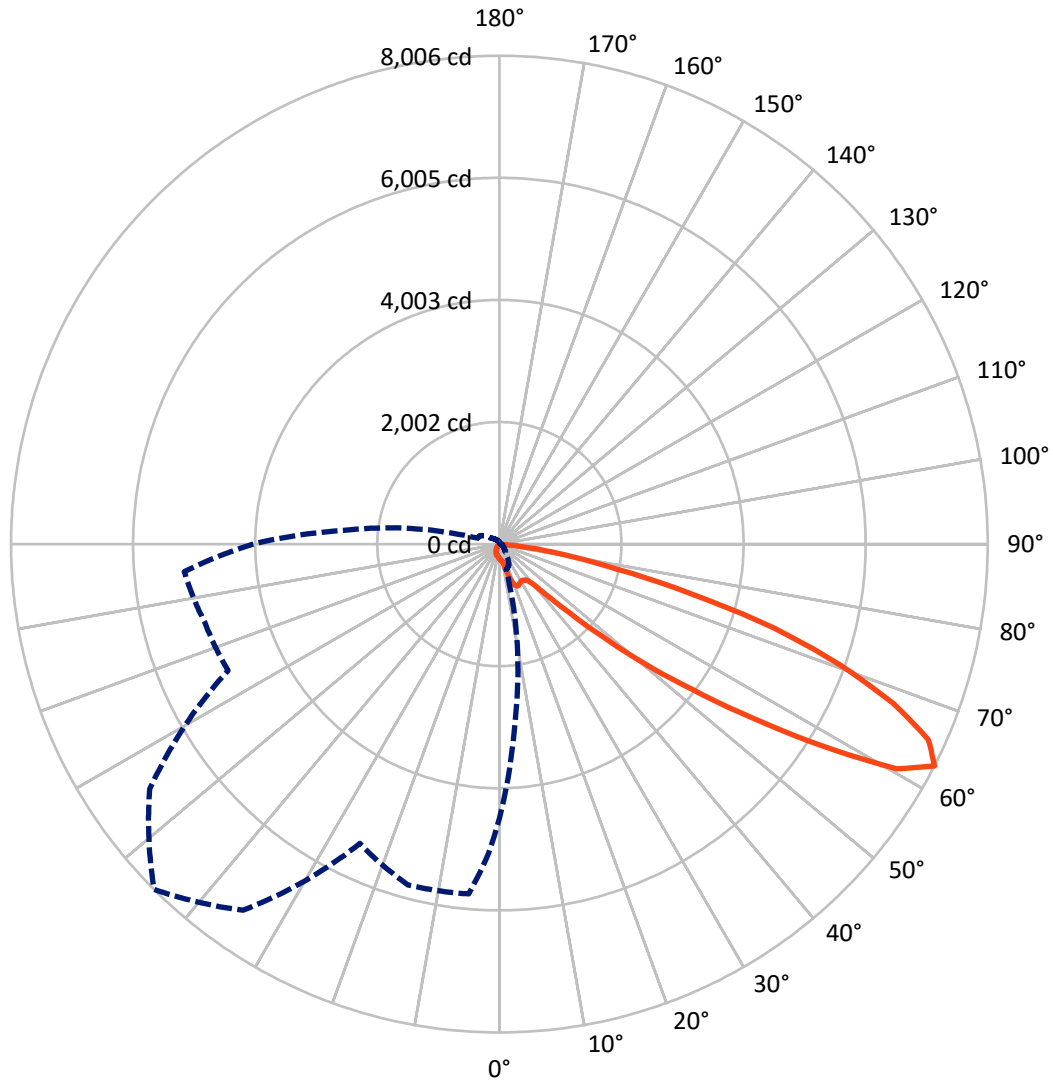
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	537.8	0.0	537.8
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	4091.0	0.0	4091.0
	% Fixture	88.4	0.0	88.4
Total	Lumens	4628.8	0.0	4628.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.7	0.4
10°-20°	71.1	1.5
20°-30°	160.5	3.5
30°-40°	276.5	6.0
40°-50°	521.6	11.3
50°-60°	1164.6	25.2
60°-70°	1557.7	33.7
70°-80°	781.1	16.9
80°-90°	74.9	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°	4628.8	100.0
0°-180°	4628.8	100.0

Coefficient of Utilization



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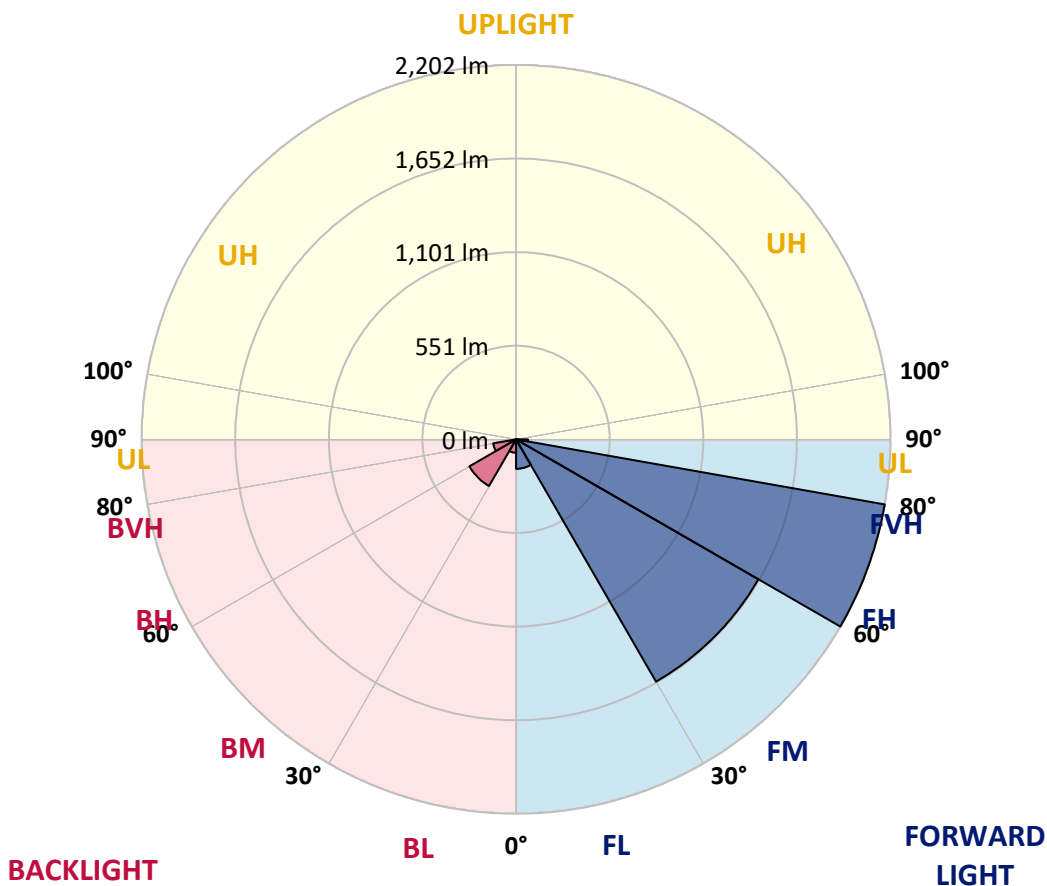
CATALOG NUMBER: GWS-SA1E-760-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	173.4	3.7			
FM (30°-60°)	1645.7	35.6			
FH (60°-80°)	2202.1	47.6			G2/5000
FVH (80°-90°)	69.9	1.5			G1/100
BL (0°-30°)	78.9	1.7	B0/110		
BM (30°-60°)	317.1	6.9	B1/1000		
BH (60°-80°)	136.8	3.0	B1/500		G1/500
BVH (80°-90°)	5.0	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1
2.5°	237.3	236.8	235.7	232.4	229.6	228.0	224.7	224.7	224.2	223.1	220.9
5°	229.6	227.5	225.3	219.2	212.7	208.8	204.4	203.9	203.9	202.8	202.2
7.5°	217.6	215.4	212.7	202.8	196.8	192.9	189.1	188.5	186.9	186.9	186.9
10°	211.0	207.7	203.3	192.4	186.3	183.1	180.3	178.7	177.6	175.9	175.4
12.5°	225.3	219.2	209.9	190.2	182.0	177.6	174.3	173.2	169.9	167.7	166.1
15°	269.7	254.9	236.2	195.1	180.3	173.7	169.4	167.2	164.4	160.6	157.8
17.5°	342.5	321.2	289.9	211.0	178.7	170.5	165.0	161.1	157.3	152.9	149.6
20°	443.4	411.6	374.3	240.1	178.7	166.6	160.0	155.1	149.6	144.7	140.9
22.5°	571.6	539.9	476.3	289.4	180.9	161.7	154.0	147.4	140.9	136.5	132.1
25°	715.2	670.3	611.1	349.1	186.9	155.1	146.9	140.3	134.3	128.8	123.9
27.5°	875.3	826.5	747.6	434.1	200.0	148.5	139.2	133.2	127.7	122.2	115.6
30°	1022.7	993.7	913.1	536.0	221.4	144.1	133.2	127.7	122.2	115.1	109.1
32.5°	1199.7	1148.2	1081.9	652.2	249.9	139.8	128.2	120.6	116.2	109.6	103.0
35°	1377.9	1334.0	1246.9	795.3	281.7	135.4	122.2	115.1	111.3	103.6	96.5
37.5°	1561.5	1551.6	1465.5	953.6	313.0	130.4	115.1	110.7	106.9	98.1	89.9
40°	1742.3	1724.2	1644.8	1134.5	332.1	125.0	109.1	106.3	101.9	92.1	82.8
42.5°	1915.5	1901.8	1824.5	1307.7	329.4	120.0	103.0	99.7	96.5	86.6	75.1
45°	2128.2	2105.7	2008.1	1436.0	301.4	125.5	97.0	91.5	91.0	81.7	67.4
47.5°	2526.1	2452.1	2286.6	1534.6	273.5	139.8	90.4	83.9	87.7	76.7	59.7
50°	3083.5	2996.3	2756.8	1611.3	272.9	158.4	89.3	76.7	85.0	72.9	53.2
52.5°	3643.6	3490.1	3199.1	1652.4	293.2	172.1	99.2	69.6	81.7	69.1	48.2
55°	4180.2	3861.7	3384.4	1516.5	309.1	186.9	117.3	65.8	75.6	64.7	45.5
57.5°	4691.5	4160.4	3464.9	1199.7	362.3	192.9	128.2	67.4	66.9	59.2	43.3
60°	4761.7	4146.2	3302.1	697.7	399.5	182.5	123.9	75.1	58.6	52.6	39.5
62.5°	4496.4	3870.5	2931.1	435.2	371.0	178.7	110.2	85.5	53.2	46.6	34.5
65°	4093.6	3438.1	2443.9	280.6	281.2	198.4	96.5	83.9	49.9	41.1	29.6
67.5°	3463.8	2877.4	1925.4	188.0	158.9	169.4	84.4	57.5	48.8	35.1	23.0
70°	2528.3	2048.2	1253.4	125.5	94.8	135.4	70.7	41.1	46.0	29.0	16.4
72.5°	1848.1	1376.2	699.9	82.2	53.7	78.9	52.1	29.6	35.6	21.4	11.5
75°	1330.2	947.1	399.5	52.6	35.6	43.3	34.0	20.3	23.0	17.0	10.4
77.5°	640.1	461.5	181.4	29.0	24.1	21.9	18.1	12.6	14.2	15.3	9.3
80°	24.1	18.1	13.7	14.2	15.3	9.9	8.2	6.6	8.2	10.4	4.9
82.5°	0.0	0.0	0.0	1.6	2.2	2.7	3.3	2.7	3.3	3.8	0.5
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°	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1
2.5°	222.5	221.4	222.5	223.6	224.7	225.8	224.2	225.3	226.4	223.6	224.7
5°	205.0	204.4	207.7	209.4	211.6	212.7	211.6	211.6	211.0	207.7	207.7
7.5°	189.6	190.2	192.9	196.8	199.5	201.1	200.0	199.5	197.9	192.9	192.9
10°	178.1	178.1	182.5	185.8	189.6	191.3	190.2	188.5	186.9	182.0	181.4
12.5°	168.8	168.8	172.1	177.6	182.0	184.2	183.6	181.4	178.7	173.7	173.2
15°	160.0	159.5	164.4	169.4	175.4	178.1	177.0	175.4	170.5	166.1	165.0
17.5°	151.3	150.7	155.1	161.7	168.3	172.1	171.5	167.7	163.3	157.8	156.7
20°	142.5	141.4	146.9	153.5	160.0	163.9	162.8	159.5	154.0	148.5	147.4
22.5°	133.7	133.2	137.0	142.5	148.5	151.8	151.3	148.5	143.0	138.1	138.1
25°	123.9	123.9	126.6	130.4	134.8	136.5	137.0	135.9	132.6	129.9	129.9
27.5°	115.6	114.0	115.1	116.2	118.4	121.1	121.1	122.2	122.8	121.7	122.2
30°	109.1	106.3	104.7	102.5	101.4	102.5	103.6	107.4	111.3	113.5	114.5
32.5°	101.4	98.1	93.7	87.7	83.9	82.8	86.0	93.2	100.3	105.2	108.0
35°	93.7	89.3	81.1	72.3	67.4	65.8	69.6	77.8	88.2	97.0	100.8
37.5°	86.0	80.0	68.5	58.1	52.6	51.5	55.4	64.1	76.2	88.2	93.2
40°	77.3	70.2	56.5	45.5	41.1	40.0	43.3	52.1	64.7	78.4	86.0
42.5°	68.5	59.7	45.5	36.2	31.8	31.8	36.2	42.7	54.3	69.1	78.4
45°	59.7	50.4	37.3	29.0	26.3	26.9	29.6	36.2	45.5	60.8	69.6
47.5°	51.5	43.3	30.7	24.1	21.9	22.5	25.8	31.2	38.9	52.6	61.9
50°	44.4	36.7	26.9	20.3	18.6	19.7	23.0	28.0	34.5	46.6	54.3
52.5°	40.0	32.9	24.7	17.5	16.4	17.5	20.8	25.2	31.2	41.1	48.8
55°	37.8	32.3	24.7	15.9	14.2	15.3	18.6	23.0	28.0	37.3	43.8
57.5°	37.3	33.4	26.3	14.2	12.1	13.2	16.4	20.8	25.8	34.0	39.5
60°	35.1	31.8	25.8	11.5	9.3	11.0	13.7	18.1	23.6	31.8	36.7
62.5°	30.7	28.0	22.5	9.3	7.1	8.2	11.5	15.9	21.4	29.0	34.5
65°	25.2	22.5	17.5	6.0	4.4	5.5	8.8	13.7	18.6	26.3	31.2
67.5°	18.6	15.9	12.1	3.8	2.2	3.8	7.1	11.5	17.0	23.6	28.5
70°	11.5	9.3	6.6	2.2	1.6	3.3	6.6	11.0	15.3	21.9	26.9
72.5°	6.6	4.4	2.7	1.1	1.6	3.3	6.6	11.0	14.8	20.8	25.2
75°	4.9	2.7	1.1	0.5	1.1	2.7	6.0	9.9	14.2	19.7	24.1
77.5°	3.3	1.6	0.5	0.0	0.5	2.2	5.5	9.3	13.2	18.6	23.0
80°	0.5	0.0	0.0	0.0	0.0	1.6	4.9	8.2	12.1	16.4	20.3
82.5°	0.0	0.0	0.0	0.0	0.0	0.5	3.8	7.1	10.4	13.7	16.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.2	5.5	8.2	10.4	11.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	5.5	6.6	7.7
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°	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1
2.5°	224.2	227.5	227.5	229.6	232.4	237.3	240.1	243.9	246.6	249.4	250.5
5°	207.2	207.7	208.3	209.4	212.7	218.1	223.1	229.1	236.2	241.7	245.0
7.5°	192.9	192.9	192.9	194.6	197.9	201.7	206.6	214.8	223.1	229.6	235.1
10°	180.9	182.5	183.1	185.8	189.6	194.6	200.0	207.2	216.5	225.3	235.1
12.5°	173.2	174.8	177.6	180.3	184.2	189.6	195.7	205.0	224.2	242.2	263.1
15°	166.1	168.3	171.5	175.4	179.8	185.8	192.4	211.6	256.5	290.5	323.4
17.5°	158.4	161.7	166.1	169.9	175.4	182.0	190.2	227.5	315.7	372.1	428.0
20°	148.5	152.9	157.8	163.9	170.5	178.1	190.2	260.3	401.2	482.3	556.3
22.5°	139.2	143.6	149.6	157.3	165.0	172.6	192.9	310.2	511.4	613.8	707.6
25°	131.5	137.0	143.0	149.6	158.4	167.2	199.5	380.4	644.0	776.1	842.4
27.5°	124.4	131.0	137.0	142.5	150.2	160.0	214.3	474.1	800.7	935.0	987.1
30°	117.3	125.0	131.0	136.5	144.1	154.6	236.8	593.6	975.0	1105.5	1110.9
32.5°	111.3	118.4	125.5	131.0	138.1	150.2	268.0	733.3	1153.7	1279.8	1228.2
35°	104.7	112.9	119.5	125.5	133.2	146.3	304.2	884.0	1334.0	1439.8	1345.0
37.5°	98.1	107.4	115.6	120.0	127.7	142.5	330.5	1041.3	1518.2	1596.0	1447.5
40°	92.1	102.5	111.8	116.2	120.0	137.6	334.3	1202.5	1705.1	1750.0	1543.9
42.5°	85.5	97.0	105.2	111.3	114.5	134.3	311.3	1338.4	1861.8	1903.5	1670.0
45°	78.4	92.1	98.7	103.0	109.6	136.5	281.7	1443.6	2041.0	2112.8	1877.7
47.5°	71.2	86.6	92.1	95.4	104.1	149.6	270.7	1513.8	2336.4	2485.5	2227.9
50°	64.7	81.7	87.7	87.1	103.0	166.6	282.8	1566.9	2780.4	2955.8	2708.0
52.5°	57.5	76.2	83.3	81.1	111.3	179.8	306.9	1609.1	3121.8	3507.1	3353.1
55°	51.5	70.2	76.7	76.2	126.6	189.6	325.6	1386.6	3263.2	4019.6	4079.9
57.5°	47.1	63.6	69.1	78.4	136.5	189.6	376.5	984.3	3266.0	4396.6	5044.5
60°	43.3	57.5	61.4	86.0	132.6	179.8	372.7	602.9	3010.0	4370.9	5557.5
62.5°	40.0	52.1	57.0	88.2	117.3	178.1	336.5	373.8	2567.2	4038.2	5185.3
65°	37.3	47.7	54.8	81.1	106.3	190.7	226.9	268.6	2082.1	3658.9	4758.4
67.5°	34.5	43.8	58.1	66.3	96.5	170.5	163.9	190.7	1634.4	3243.0	4366.5
70°	32.3	41.7	61.4	54.3	84.4	133.2	116.2	144.7	1251.3	2705.8	3814.6
72.5°	30.7	38.9	51.5	42.7	68.5	103.0	81.1	105.2	817.7	2112.3	3109.8
75°	29.0	35.6	37.8	34.5	51.0	67.4	61.4	70.7	487.2	1543.9	2359.5
77.5°	28.5	33.4	30.7	28.0	34.5	40.0	46.6	47.7	237.9	772.2	1236.5
80°	25.2	30.1	26.3	23.0	23.6	26.3	34.5	31.8	54.3	196.2	329.9
82.5°	19.7	23.6	21.9	19.2	19.2	19.2	23.0	21.4	17.5	88.2	149.1
85°	13.7	16.4	16.4	15.3	14.8	14.8	14.2	13.7	4.9	5.5	8.2
87.5°	9.3	11.5	12.1	11.5	9.9	8.8	7.7	6.6	2.2	0.0	1.1
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°	358°	360°
0°	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1	240.1
2.5°	254.3	256.0	256.0	253.8	252.1	247.7	243.3	239.0	237.9	237.3
5°	254.3	260.9	264.2	263.6	259.8	252.7	243.3	233.5	230.7	229.6
7.5°	250.5	263.1	272.9	274.6	267.5	254.9	237.9	223.1	219.2	217.6
10°	259.2	283.9	303.6	306.4	298.2	273.5	246.1	220.9	214.8	211.0
12.5°	306.4	346.9	371.0	382.6	366.7	335.4	289.9	245.0	231.3	225.3
15°	401.7	459.3	505.3	505.3	490.5	435.2	377.6	304.7	286.1	269.7
17.5°	524.0	596.3	636.9	632.5	610.0	571.1	502.0	397.4	359.5	342.5
20°	663.2	706.5	715.8	713.0	703.2	680.7	633.0	520.7	469.7	443.4
22.5°	783.7	772.2	758.5	747.6	744.8	751.4	744.8	658.2	618.2	571.6
25°	865.4	800.2	759.1	739.4	748.7	786.5	827.6	795.3	763.5	715.2
27.5°	909.8	796.9	737.7	717.4	733.3	787.0	876.4	931.2	898.3	875.3
30°	933.9	794.2	724.0	704.3	728.4	795.8	910.4	1058.3	1059.4	1022.7
32.5°	968.4	811.7	726.7	708.7	741.0	822.1	953.1	1187.7	1219.5	1199.7
35°	1007.4	838.6	739.4	722.9	762.9	857.2	1000.8	1318.1	1384.4	1377.9
37.5°	1044.1	868.7	768.9	753.1	796.4	887.3	1046.8	1446.4	1538.4	1561.5
40°	1082.4	910.9	859.9	875.3	899.4	935.0	1087.9	1557.6	1707.8	1742.3
42.5°	1172.9	1057.2	1135.1	1164.1	1167.4	1094.0	1177.8	1700.1	1874.4	1915.5
45°	1374.6	1317.6	1540.6	1581.7	1560.4	1337.8	1394.3	1905.7	2107.3	2128.2
47.5°	1629.4	1655.7	2095.8	2237.8	2109.5	1625.6	1656.8	2338.1	2533.7	2526.1
50°	1926.5	2050.9	2726.1	3061.0	2754.1	1999.4	1959.4	2869.7	3107.0	3083.5
52.5°	2277.8	2510.2	3483.6	3959.3	3668.8	2419.7	2403.3	3574.0	3718.7	3643.6
55°	2720.1	2953.6	4355.0	5019.8	4606.6	2932.7	2989.2	4390.6	4418.6	4180.2
57.5°	3380.0	3531.8	5382.1	6236.0	5585.4	3629.9	4039.3	5477.4	5143.1	4691.5
60°	4578.1	4275.5	6374.6	7480.1	6626.8	4610.4	5424.3	6121.4	5384.3	4761.7
62.5°	4995.1	4906.9	6996.2	8006.3	7327.2	5415.5	5784.4	5756.4	5071.9	4496.4
65°	4363.2	4749.6	6884.9	7728.4	7237.3	5282.9	5190.8	5353.6	4720.0	4093.6
67.5°	4030.5	4380.2	6463.4	6961.6	6739.1	4832.9	4626.8	4582.4	3962.6	3463.8
70°	3695.1	4041.5	5852.3	5914.3	5810.7	4099.6	3828.8	3531.2	2961.8	2528.3
72.5°	3291.7	3482.5	5004.5	4710.7	4593.4	3219.9	3162.9	2659.3	2220.2	1848.1
75°	2870.8	2815.5	3901.7	3233.1	3320.8	2505.2	2671.3	1952.8	1626.7	1330.2
77.5°	2088.2	2047.1	2613.2	1963.7	2174.8	1640.9	1474.3	779.4	742.1	640.1
80°	1165.2	1404.7	1411.3	1100.5	1372.9	1069.8	368.9	25.8	16.4	24.1
82.5°	541.5	604.0	765.1	510.3	783.2	530.0	76.2	0.0	0.0	0.0
85°	175.4	256.5	214.8	75.1	189.6	179.2	12.6	0.0	0.0	0.0
87.5°	10.4	21.4	5.5	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

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