

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: P632376

Luminaire Tested: GWS-SA2C-750-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632376
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-SA2C-750-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5732.2 lumens
Efficiency: N/A
Efficacy: 90.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

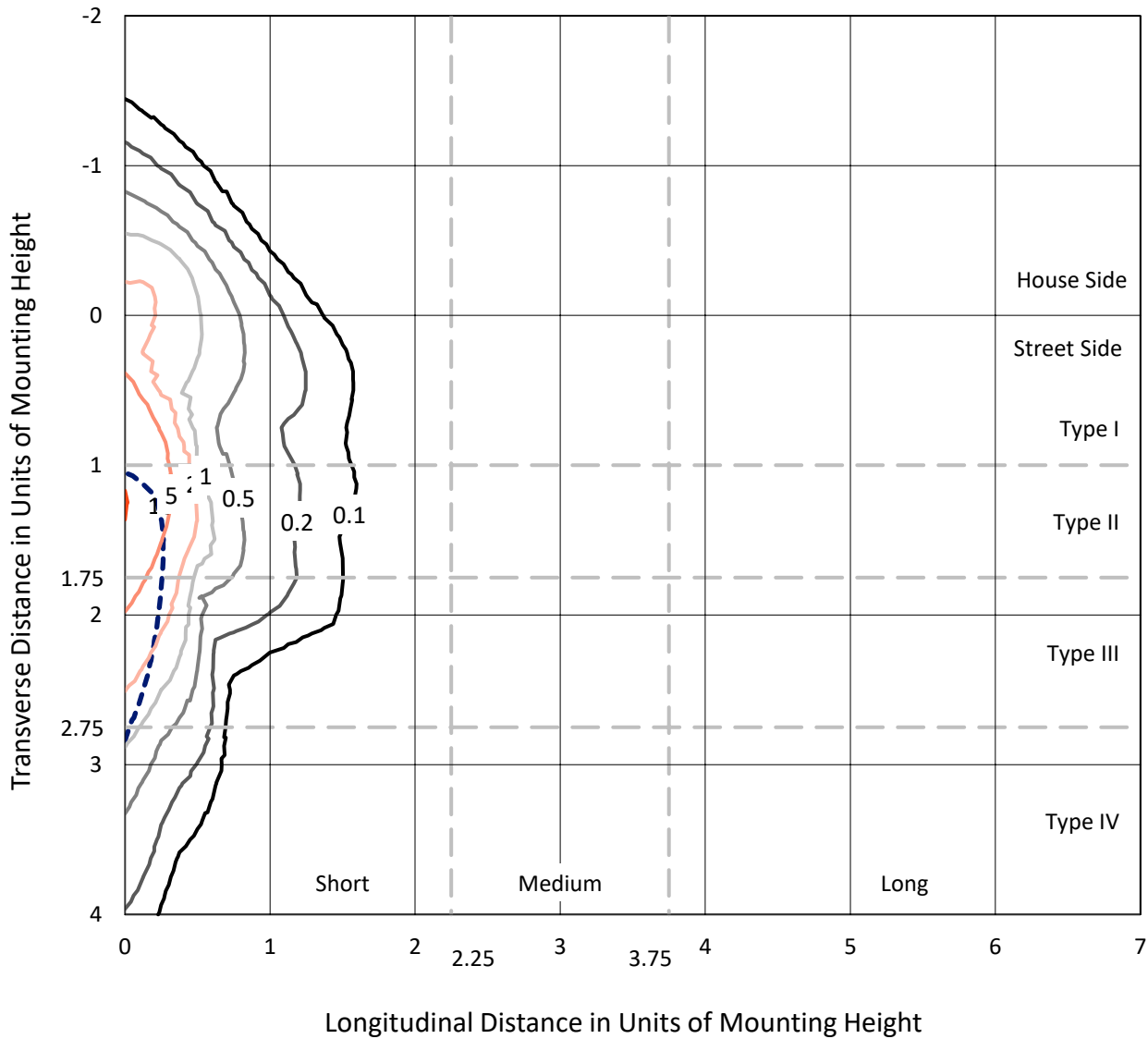
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

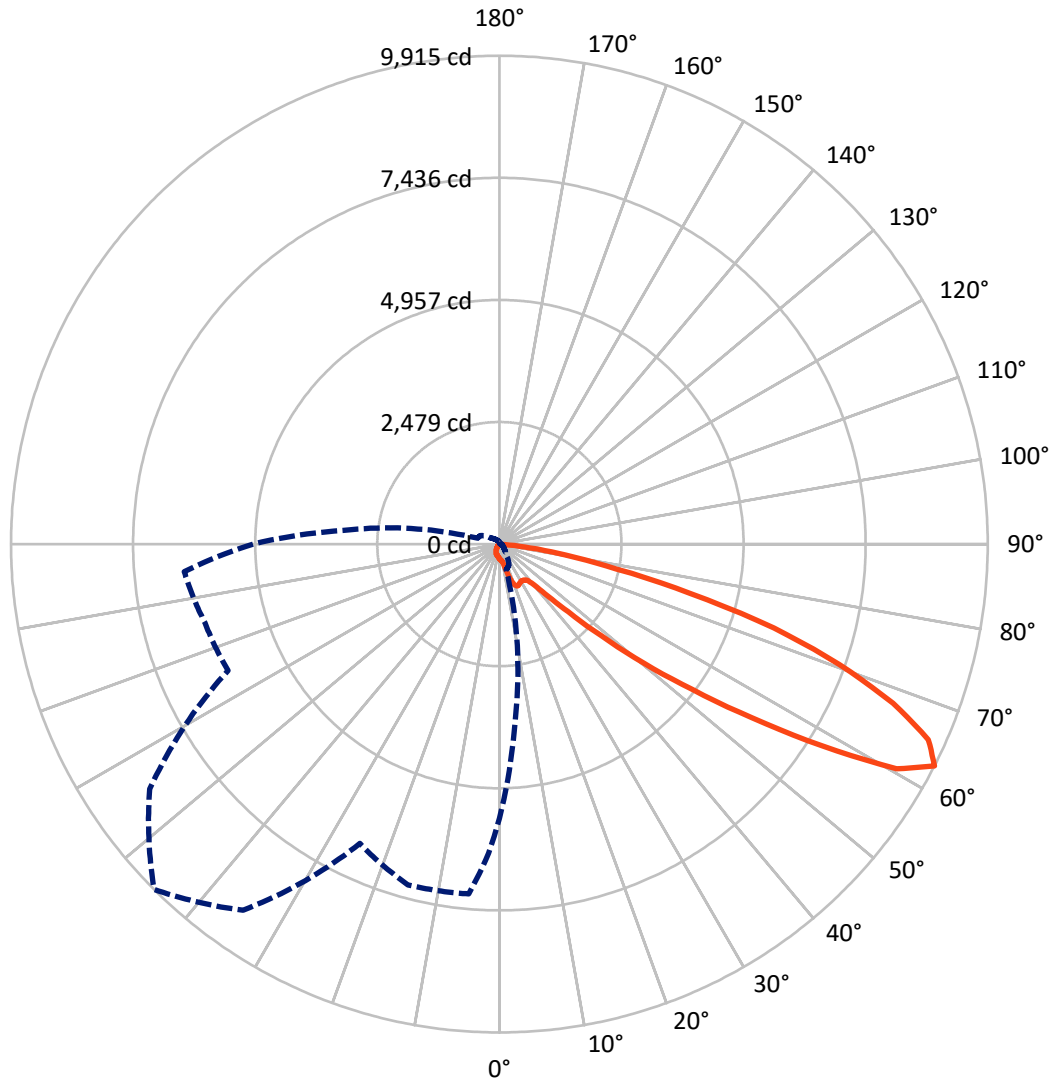
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.2 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	666.0	0.0	666.0
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	5066.2	0.0	5066.2
	% Fixture	88.4	0.0	88.4
Total	Lumens	5732.2	0.0	5732.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.7	0.4
10°-20°	88.0	1.5
20°-30°	198.8	3.5
30°-40°	342.4	6.0
40°-50°	646.0	11.3
50°-60°	1442.3	25.2
60°-70°	1929.0	33.7
70°-80°	967.3	16.9
80°-90°	92.7	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°	5732.2	100.0
0°-180°	5732.2	100.0

Coefficient of Utilization



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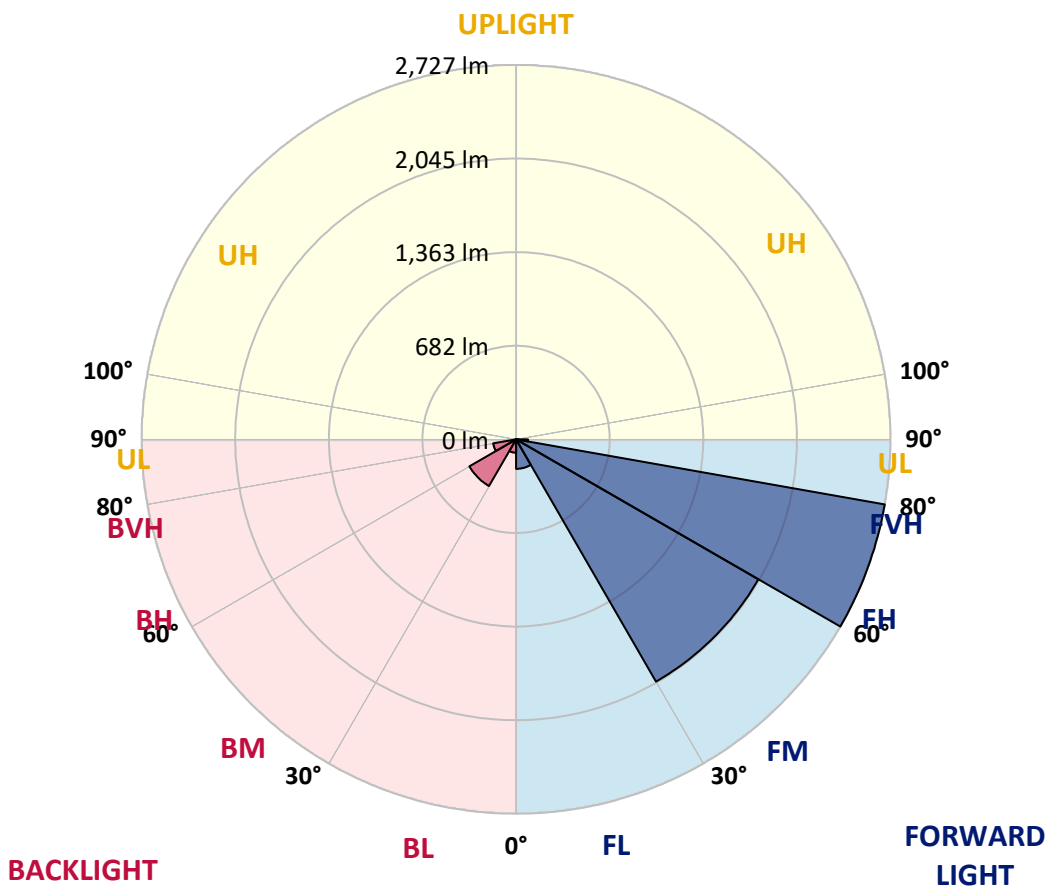
CATALOG NUMBER: GWS-SA2C-750-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.7	3.7			
FM (30°-60°)	2038.0	35.6			
FH (60°-80°)	2727.0	47.6			G2/5000
FVH (80°-90°)	86.6	1.5			G1/100
BL (0°-30°)	97.8	1.7	B0/110		
BM (30°-60°)	392.7	6.9	B1/1000		
BH (60°-80°)	169.4	3.0	B1/500		G1/500
BVH (80°-90°)	6.2	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3
2.5°	293.9	293.2	291.9	287.8	284.4	282.3	278.3	278.3	277.6	276.2	273.5
5°	284.4	281.7	279.0	271.5	263.3	258.6	253.2	252.5	252.5	251.1	250.4
7.5°	269.5	266.7	263.3	251.1	243.7	238.9	234.2	233.5	231.4	231.4	231.4
10°	261.3	257.2	251.8	238.2	230.8	226.7	223.3	221.3	219.9	217.9	217.2
12.5°	279.0	271.5	260.0	235.5	225.3	219.9	215.8	214.5	210.4	207.7	205.7
15°	333.9	315.6	292.5	241.6	223.3	215.2	209.7	207.0	203.6	198.9	195.5
17.5°	424.2	397.7	359.0	261.3	221.3	211.1	204.3	199.5	194.8	189.4	185.3
20°	549.1	509.7	463.6	297.3	221.3	206.3	198.2	192.1	185.3	179.2	174.4
22.5°	707.9	668.5	589.8	358.4	224.0	200.2	190.7	182.6	174.4	169.0	163.6
25°	885.7	830.1	756.8	432.3	231.4	192.1	181.9	173.8	166.3	159.5	153.4
27.5°	1083.9	1023.5	925.8	537.5	247.7	183.9	172.4	164.9	158.1	151.4	143.2
30°	1266.5	1230.5	1130.8	663.8	274.2	178.5	164.9	158.1	151.4	142.5	135.1
32.5°	1485.7	1421.9	1339.8	807.7	309.5	173.1	158.8	149.3	143.9	135.7	127.6
35°	1706.3	1652.0	1544.1	984.8	348.9	167.6	151.4	142.5	137.8	128.3	119.5
37.5°	1933.7	1921.5	1814.9	1181.0	387.6	161.5	142.5	137.1	132.4	121.5	111.3
40°	2157.7	2135.3	2036.8	1405.0	411.3	154.7	135.1	131.7	126.2	114.0	102.5
42.5°	2372.1	2355.2	2259.5	1619.4	407.9	148.6	127.6	123.5	119.5	107.2	93.0
45°	2635.5	2607.6	2486.8	1778.3	373.3	155.4	120.1	113.3	112.7	101.1	83.5
47.5°	3128.2	3036.6	2831.6	1900.4	338.7	173.1	112.0	103.8	108.6	95.0	74.0
50°	3818.5	3710.6	3414.0	1995.4	338.0	196.2	110.6	95.0	105.2	90.3	65.8
52.5°	4512.1	4322.1	3961.7	2046.3	363.1	213.1	122.8	86.2	101.1	85.5	59.7
55°	5176.6	4782.3	4191.1	1878.0	382.8	231.4	145.2	81.4	93.7	80.1	56.3
57.5°	5809.9	5152.2	4290.9	1485.7	448.6	238.9	158.8	83.5	82.8	73.3	53.6
60°	5896.7	5134.5	4089.3	864.0	494.8	226.0	153.4	93.0	72.6	65.2	48.9
62.5°	5568.2	4793.1	3629.8	538.9	459.5	221.3	136.4	105.9	65.8	57.7	42.8
65°	5069.4	4257.6	3026.4	347.5	348.2	245.7	119.5	103.8	61.8	50.9	36.7
67.5°	4289.5	3563.3	2384.3	232.8	196.8	209.7	104.5	71.3	60.4	43.4	28.5
70°	3130.9	2536.4	1552.2	155.4	117.4	167.6	87.6	50.9	57.0	36.0	20.4
72.5°	2288.6	1704.3	866.7	101.8	66.5	97.7	64.5	36.7	44.1	26.5	14.3
75°	1647.3	1172.8	494.8	65.2	44.1	53.6	42.1	25.1	28.5	21.0	12.9
77.5°	792.7	571.5	224.7	36.0	29.9	27.1	22.4	15.6	17.6	19.0	11.5
80°	29.9	22.4	17.0	17.6	19.0	12.2	10.2	8.1	10.2	12.9	6.1
82.5°	0.0	0.0	0.0	2.0	2.7	3.4	4.1	3.4	4.1	4.8	0.7
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°	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3
2.5°	275.6	274.2	275.6	276.9	278.3	279.6	277.6	279.0	280.3	276.9	278.3
5°	253.8	253.2	257.2	259.3	262.0	263.3	262.0	262.0	261.3	257.2	257.2
7.5°	234.8	235.5	238.9	243.7	247.1	249.1	247.7	247.1	245.0	238.9	238.9
10°	220.6	220.6	226.0	230.1	234.8	236.9	235.5	233.5	231.4	225.3	224.7
12.5°	209.0	209.0	213.1	219.9	225.3	228.1	227.4	224.7	221.3	215.2	214.5
15°	198.2	197.5	203.6	209.7	217.2	220.6	219.2	217.2	211.1	205.7	204.3
17.5°	187.3	186.6	192.1	200.2	208.4	213.1	212.4	207.7	202.3	195.5	194.1
20°	176.5	175.1	181.9	190.0	198.2	202.9	201.6	197.5	190.7	183.9	182.6
22.5°	165.6	164.9	169.7	176.5	183.9	188.0	187.3	183.9	177.1	171.0	171.0
25°	153.4	153.4	156.8	161.5	167.0	169.0	169.7	168.3	164.3	160.9	160.9
27.5°	143.2	141.2	142.5	143.9	146.6	150.0	150.0	151.4	152.0	150.7	151.4
30°	135.1	131.7	129.6	126.9	125.6	126.9	128.3	133.0	137.8	140.5	141.9
32.5°	125.6	121.5	116.1	108.6	103.8	102.5	106.6	115.4	124.2	130.3	133.7
35°	116.1	110.6	100.5	89.6	83.5	81.4	86.2	96.4	109.3	120.1	124.9
37.5°	106.6	99.1	84.8	71.9	65.2	63.8	68.6	79.4	94.3	109.3	115.4
40°	95.7	86.9	69.9	56.3	50.9	49.5	53.6	64.5	80.1	97.1	106.6
42.5°	84.8	74.0	56.3	44.8	39.4	39.4	44.8	52.9	67.2	85.5	97.1
45°	74.0	62.4	46.2	36.0	32.6	33.3	36.7	44.8	56.3	75.3	86.2
47.5°	63.8	53.6	38.0	29.9	27.1	27.8	31.9	38.7	48.2	65.2	76.7
50°	55.0	45.5	33.3	25.1	23.1	24.4	28.5	34.6	42.8	57.7	67.2
52.5°	49.5	40.7	30.5	21.7	20.4	21.7	25.8	31.2	38.7	50.9	60.4
55°	46.8	40.0	30.5	19.7	17.6	19.0	23.1	28.5	34.6	46.2	54.3
57.5°	46.2	41.4	32.6	17.6	14.9	16.3	20.4	25.8	31.9	42.1	48.9
60°	43.4	39.4	31.9	14.3	11.5	13.6	17.0	22.4	29.2	39.4	45.5
62.5°	38.0	34.6	27.8	11.5	8.8	10.2	14.3	19.7	26.5	36.0	42.8
65°	31.2	27.8	21.7	7.5	5.4	6.8	10.9	17.0	23.1	32.6	38.7
67.5°	23.1	19.7	14.9	4.8	2.7	4.8	8.8	14.3	21.0	29.2	35.3
70°	14.3	11.5	8.1	2.7	2.0	4.1	8.1	13.6	19.0	27.1	33.3
72.5°	8.1	5.4	3.4	1.4	2.0	4.1	8.1	13.6	18.3	25.8	31.2
75°	6.1	3.4	1.4	0.7	1.4	3.4	7.5	12.2	17.6	24.4	29.9
77.5°	4.1	2.0	0.7	0.0	0.7	2.7	6.8	11.5	16.3	23.1	28.5
80°	0.7	0.0	0.0	0.0	0.0	2.0	6.1	10.2	14.9	20.4	25.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	4.8	8.8	12.9	17.0	20.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	6.8	10.2	12.9	14.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	6.8	8.1	9.5
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°	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3
2.5°	277.6	281.7	281.7	284.4	287.8	293.9	297.3	302.0	305.4	308.8	310.2
5°	256.6	257.2	257.9	259.3	263.3	270.1	276.2	283.7	292.5	299.3	303.4
7.5°	238.9	238.9	238.9	240.9	245.0	249.8	255.9	266.1	276.2	284.4	291.2
10°	224.0	226.0	226.7	230.1	234.8	240.9	247.7	256.6	268.1	279.0	291.2
12.5°	214.5	216.5	219.9	223.3	228.1	234.8	242.3	253.8	277.6	300.0	325.8
15°	205.7	208.4	212.4	217.2	222.6	230.1	238.2	262.0	317.6	359.7	400.4
17.5°	196.2	200.2	205.7	210.4	217.2	225.3	235.5	281.7	390.9	460.9	530.1
20°	183.9	189.4	195.5	202.9	211.1	220.6	235.5	322.4	496.8	597.3	688.9
22.5°	172.4	177.8	185.3	194.8	204.3	213.8	238.9	384.2	633.2	760.2	876.2
25°	162.9	169.7	177.1	185.3	196.2	207.0	247.1	471.0	797.5	961.1	1043.2
27.5°	154.1	162.2	169.7	176.5	186.0	198.2	265.4	587.1	991.6	1157.9	1222.4
30°	145.2	154.7	162.2	169.0	178.5	191.4	293.2	735.1	1207.4	1369.0	1375.8
32.5°	137.8	146.6	155.4	162.2	171.0	186.0	331.9	908.1	1428.7	1584.8	1521.0
35°	129.6	139.8	148.0	155.4	164.9	181.2	376.7	1094.8	1652.0	1783.0	1665.6
37.5°	121.5	133.0	143.2	148.6	158.1	176.5	409.3	1289.6	1880.1	1976.4	1792.5
40°	114.0	126.9	138.5	143.9	148.6	170.4	414.0	1489.1	2111.5	2167.2	1912.0
42.5°	105.9	120.1	130.3	137.8	141.9	166.3	385.5	1657.4	2305.6	2357.2	2068.1
45°	97.1	114.0	122.2	127.6	135.7	169.0	348.9	1787.8	2527.6	2616.5	2325.3
47.5°	88.2	107.2	114.0	118.1	129.0	185.3	335.3	1874.6	2893.4	3078.0	2759.0
50°	80.1	101.1	108.6	107.9	127.6	206.3	350.2	1940.5	3443.2	3660.3	3353.6
52.5°	71.3	94.3	103.2	100.5	137.8	222.6	380.1	1992.7	3866.0	4343.1	4152.4
55°	63.8	86.9	95.0	94.3	156.8	234.8	403.2	1717.2	4041.1	4977.7	5052.4
57.5°	58.4	78.7	85.5	97.1	169.0	234.8	466.3	1219.0	4044.5	5444.7	6247.0
60°	53.6	71.3	76.0	106.6	164.3	222.6	461.5	746.6	3727.5	5412.8	6882.2
62.5°	49.5	64.5	70.6	109.3	145.2	220.6	416.7	462.9	3179.1	5000.8	6421.4
65°	46.2	59.0	67.9	100.5	131.7	236.2	281.0	332.6	2578.5	4531.1	5892.7
67.5°	42.8	54.3	71.9	82.1	119.5	211.1	202.9	236.2	2023.9	4016.0	5407.4
70°	40.0	51.6	76.0	67.2	104.5	164.9	143.9	179.2	1549.5	3350.8	4723.9
72.5°	38.0	48.2	63.8	52.9	84.8	127.6	100.5	130.3	1012.7	2615.8	3851.1
75°	36.0	44.1	46.8	42.8	63.1	83.5	76.0	87.6	603.4	1912.0	2921.9
77.5°	35.3	41.4	38.0	34.6	42.8	49.5	57.7	59.0	294.6	956.3	1531.2
80°	31.2	37.3	32.6	28.5	29.2	32.6	42.8	39.4	67.2	243.0	408.6
82.5°	24.4	29.2	27.1	23.8	23.8	23.8	28.5	26.5	21.7	109.3	184.6
85°	17.0	20.4	20.4	19.0	18.3	18.3	17.6	17.0	6.1	6.8	10.2
87.5°	11.5	14.3	14.9	14.3	12.2	10.9	9.5	8.1	2.7	0.0	1.4
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°	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3	297.3
2.5°	314.9	317.0	317.0	314.2	312.2	306.8	301.4	295.9	294.6	293.9
5°	314.9	323.1	327.1	326.5	321.7	312.9	301.4	289.1	285.7	284.4
7.5°	310.2	325.8	338.0	340.0	331.2	315.6	294.6	276.2	271.5	269.5
10°	321.0	351.6	376.0	379.4	369.2	338.7	304.7	273.5	266.1	261.3
12.5°	379.4	429.6	459.5	473.7	454.1	415.4	359.0	303.4	286.4	279.0
15°	497.5	568.8	625.8	625.8	607.5	538.9	467.6	377.4	354.3	333.9
17.5°	648.9	738.4	788.7	783.2	755.4	707.2	621.7	492.1	445.2	424.2
20°	821.3	874.9	886.4	883.0	870.8	843.0	783.9	644.8	581.7	549.1
22.5°	970.6	956.3	939.4	925.8	922.4	930.5	922.4	815.1	765.6	707.9
25°	1071.7	990.9	940.0	915.6	927.1	974.0	1024.9	984.8	945.5	885.7
27.5°	1126.7	986.9	913.6	888.4	908.1	974.6	1085.3	1153.1	1112.4	1083.9
30°	1156.5	983.5	896.6	872.2	902.0	985.5	1127.4	1310.6	1312.0	1266.5
32.5°	1199.3	1005.2	900.0	877.6	917.6	1018.1	1180.3	1470.8	1510.2	1485.7
35°	1247.5	1038.4	915.6	895.2	944.8	1061.5	1239.3	1632.3	1714.5	1706.3
37.5°	1293.0	1075.8	952.2	932.6	986.2	1098.9	1296.4	1791.1	1905.2	1933.7
40°	1340.5	1128.0	1064.9	1083.9	1113.8	1157.9	1347.3	1928.9	2114.9	2157.7
42.5°	1452.5	1309.3	1405.6	1441.6	1445.7	1354.7	1458.6	2105.4	2321.2	2372.1
45°	1702.2	1631.6	1907.9	1958.8	1932.3	1656.8	1726.7	2359.9	2609.7	2635.5
47.5°	2017.8	2050.4	2595.4	2771.2	2612.4	2013.1	2051.8	2895.4	3137.7	3128.2
50°	2385.7	2539.8	3376.0	3790.7	3410.6	2476.0	2426.4	3553.8	3847.7	3818.5
52.5°	2820.8	3108.5	4314.0	4903.1	4543.4	2996.6	2976.2	4425.9	4605.1	4512.1
55°	3368.5	3657.6	5393.1	6216.4	5704.7	3631.8	3701.7	5437.2	5471.9	5176.6
57.5°	4185.7	4373.7	6665.0	7722.5	6916.9	4495.2	5002.2	6783.1	6369.1	5809.9
60°	5669.4	5294.7	7894.2	9263.2	8206.4	5709.4	6717.3	7580.6	6667.8	5896.7
62.5°	6185.9	6076.6	8663.9	9914.8	9073.8	6706.4	7163.2	7128.6	6280.9	5568.2
65°	5403.3	5881.8	8526.1	9570.7	8962.5	6542.2	6428.2	6629.8	5845.2	5069.4
67.5°	4991.3	5424.3	8004.2	8621.1	8345.6	5985.0	5729.8	5674.8	4907.2	4289.5
70°	4575.9	5004.9	7247.4	7324.1	7195.8	5076.8	4741.6	4373.0	3667.8	3130.9
72.5°	4076.4	4312.6	6197.4	5833.6	5688.4	3987.5	3916.9	3293.2	2749.5	2288.6
75°	3555.1	3486.6	4831.8	4003.8	4112.4	3102.4	3308.1	2418.3	2014.4	1647.3
77.5°	2585.9	2535.0	3236.1	2431.9	2693.2	2032.1	1825.8	965.1	919.0	792.7
80°	1443.0	1739.6	1747.7	1362.9	1700.2	1324.9	456.8	31.9	20.4	29.9
82.5°	670.6	748.0	947.5	631.9	969.9	656.3	94.3	0.0	0.0	0.0
85°	217.2	317.6	266.1	93.0	234.8	221.9	15.6	0.0	0.0	0.0
87.5°	12.9	26.5	6.8	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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