

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: P642331

Luminaire Tested: GWS-SA6C-760-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642331
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-SA6C-760-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17345.1 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

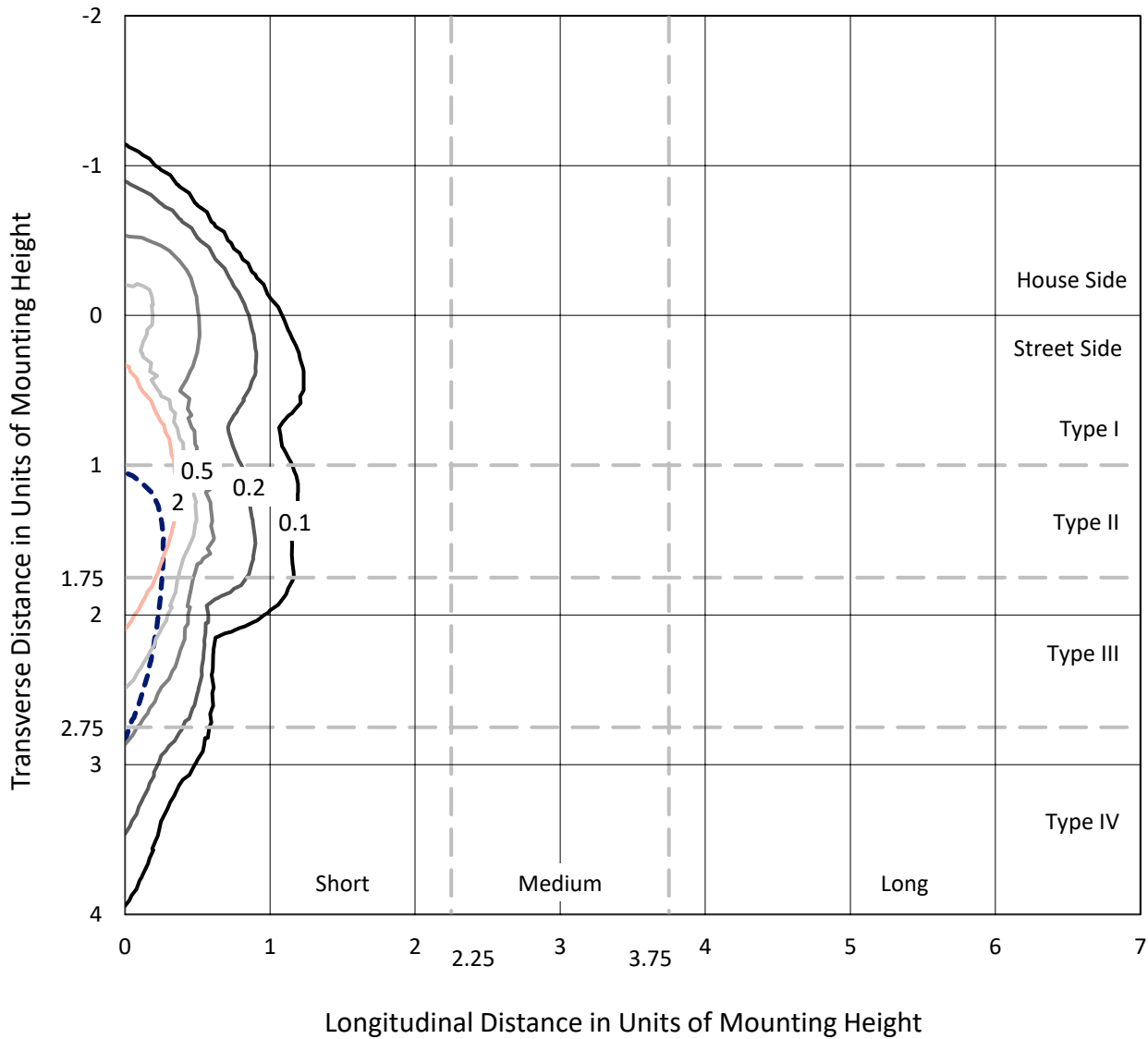
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

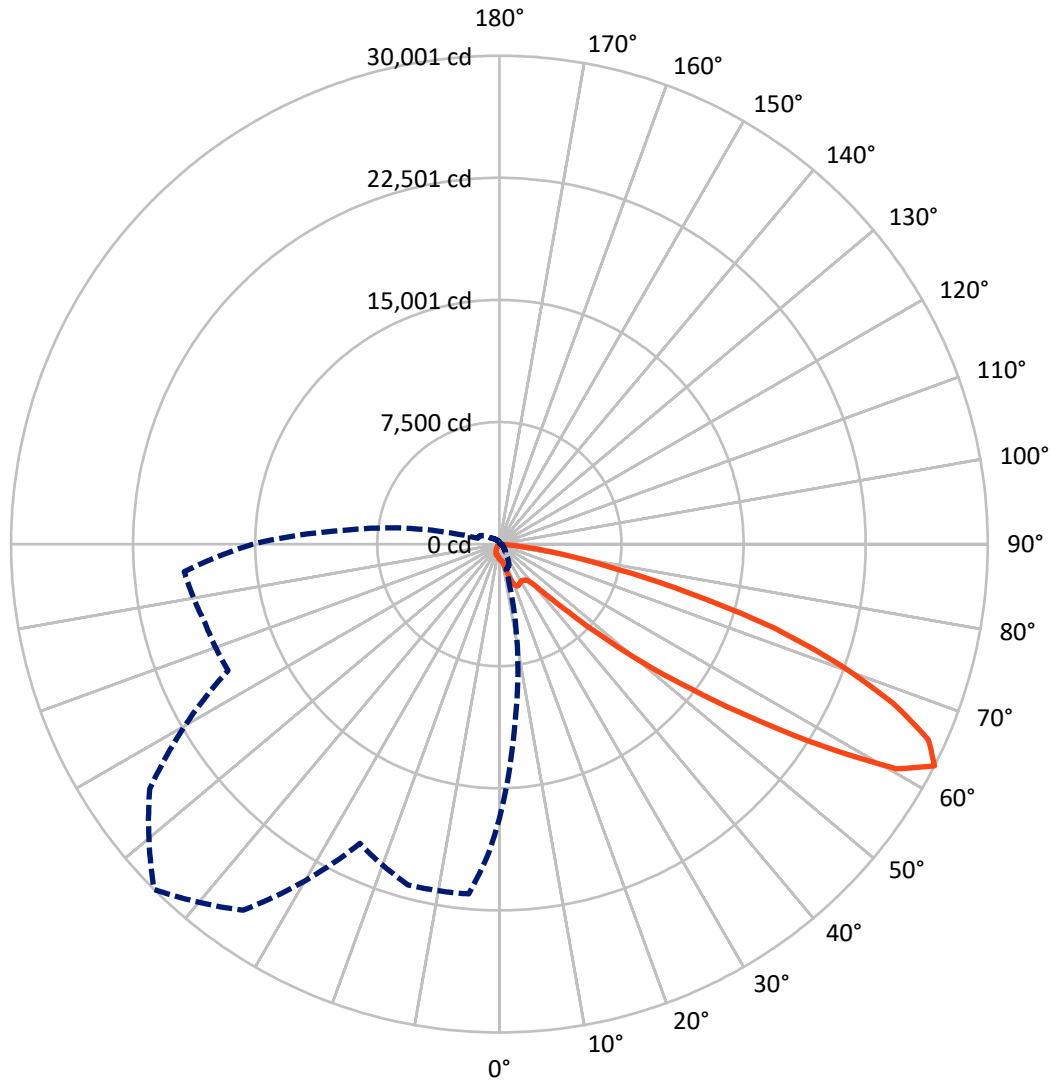
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	2015.3	0.0	2015.3
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	15329.8	0.0	15329.8
	% Fixture	88.4	0.0	88.4
Total	Lumens	17345.1	0.0	17345.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	0.4
10°-20°	266.2	1.5
20°-30°	601.5	3.5
30°-40°	1036.2	6.0
40°-50°	1954.6	11.3
50°-60°	4364.2	25.2
60°-70°	5837.0	33.7
70°-80°	2927.1	16.9
80°-90°	280.6	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°	17345.1	100.0
0°-180°	17345.1	100.0

Coefficient of Utilization



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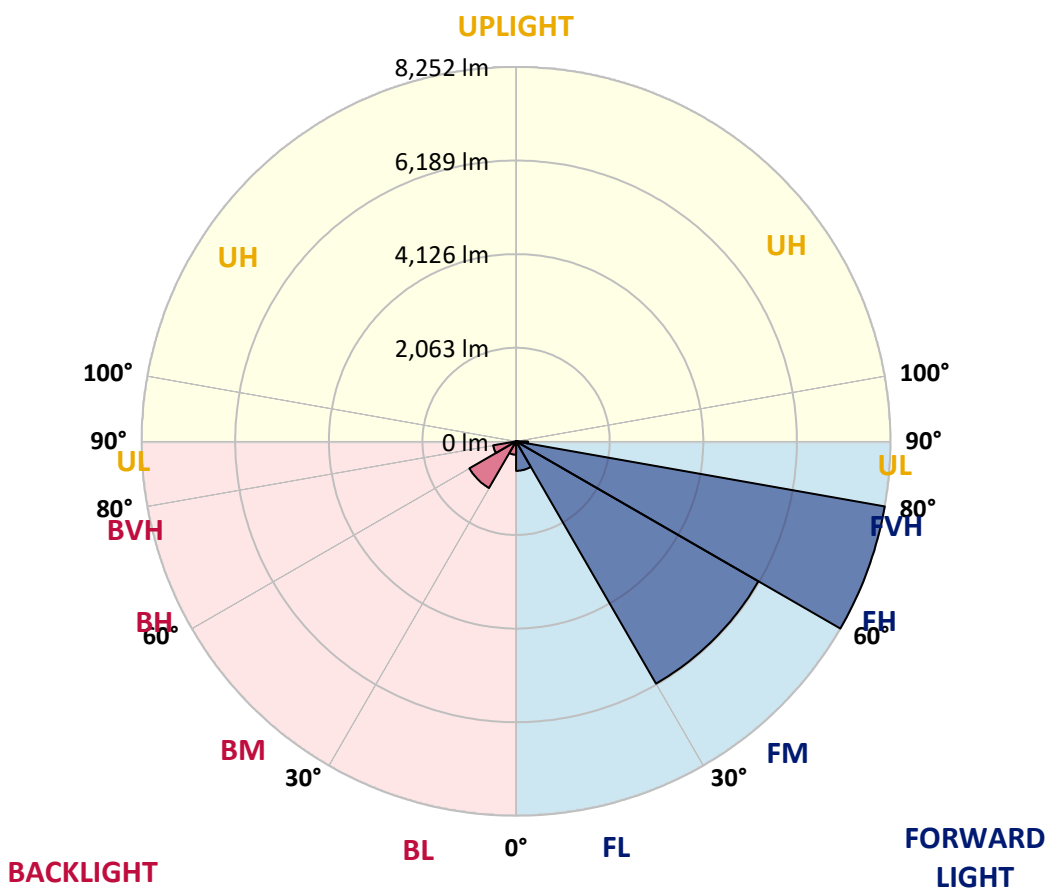
CATALOG NUMBER: GWS-SA6C-760-U-SLL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	649.6	3.7			
FM (30°-60°)	6166.7	35.6			
FH (60°-80°)	8251.6	47.6			G4/12000
FVH (80°-90°)	261.9	1.5			G3/500
BL (0°-30°)	295.8	1.7	B1/500		
BM (30°-60°)	1188.3	6.9	B2/2500		
BH (60°-80°)	512.5	3.0	B2/1000		G2/1000
BVH (80°-90°)	18.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	889.3	887.2	883.1	870.8	860.5	854.4	842.0	842.0	840.0	835.9	827.7
5°	860.5	852.3	844.1	821.5	796.9	782.5	766.0	764.0	764.0	759.9	757.8
7.5°	815.3	807.1	796.9	759.9	737.3	722.9	708.5	706.5	700.3	700.3	700.3
10°	790.7	778.4	761.9	720.9	698.3	686.0	675.7	669.5	665.4	659.3	657.2
12.5°	844.1	821.5	786.6	712.7	681.8	665.4	653.1	649.0	636.7	628.4	622.3
15°	1010.4	955.0	885.2	731.1	675.7	651.0	634.6	626.4	616.1	601.7	591.5
17.5°	1283.6	1203.5	1086.4	790.7	669.5	638.7	618.2	603.8	589.4	573.0	560.7
20°	1661.5	1542.4	1402.7	899.5	669.5	624.3	599.7	581.2	560.7	542.2	527.8
22.5°	2142.1	2022.9	1784.7	1084.4	677.7	605.9	577.1	552.5	527.8	511.4	495.0
25°	2680.1	2511.7	2289.9	1308.2	700.3	581.2	550.4	525.8	503.2	482.6	464.1
27.5°	3279.8	3097.1	2801.3	1626.6	749.6	556.6	521.7	499.1	478.5	458.0	433.3
30°	3832.3	3723.4	3421.5	2008.6	829.7	540.1	499.1	478.5	458.0	431.3	408.7
32.5°	4495.7	4302.6	4054.1	2444.0	936.5	523.7	480.6	451.8	435.4	410.7	386.1
35°	5163.1	4998.8	4672.3	2980.0	1055.6	507.3	458.0	431.3	416.9	388.2	361.5
37.5°	5851.1	5814.2	5491.7	3573.5	1172.7	488.8	431.3	414.9	400.5	367.6	336.8
40°	6528.9	6461.1	6163.3	4251.3	1244.6	468.3	408.7	398.4	382.0	345.0	310.1
42.5°	7177.9	7126.5	6836.9	4900.2	1234.3	449.8	386.1	373.8	361.5	324.5	281.4
45°	7974.7	7890.5	7524.9	5380.8	1129.6	470.3	363.5	343.0	340.9	306.0	252.6
47.5°	9465.7	9188.5	8568.2	5750.5	1024.8	523.7	338.9	314.2	328.6	287.5	223.9
50°	11554.4	11227.8	10330.4	6038.0	1022.8	593.5	334.8	287.5	318.3	273.1	199.2
52.5°	13653.3	13078.3	11987.7	6192.1	1098.8	644.9	371.7	260.8	306.0	258.8	180.7
55°	15663.9	14470.7	12681.9	5682.7	1158.3	700.3	439.5	246.4	283.4	242.3	170.5
57.5°	17580.1	15590.0	12983.8	4495.7	1357.5	722.9	480.6	252.6	250.6	221.8	162.2
60°	17843.0	15536.6	12373.8	2614.4	1497.2	683.9	464.1	281.4	219.8	197.2	147.9
62.5°	16849.0	14503.6	10983.4	1630.7	1390.4	669.5	412.8	320.4	199.2	174.6	129.4
65°	15339.4	12883.2	9157.7	1051.5	1053.6	743.5	361.5	314.2	186.9	154.0	110.9
67.5°	12979.7	10782.2	7214.8	704.4	595.6	634.6	316.3	215.6	182.8	131.4	86.3
70°	9473.9	7674.9	4696.9	470.3	355.3	507.3	264.9	154.0	172.5	108.8	61.6
72.5°	6925.2	5157.0	2622.6	308.1	201.3	295.7	195.1	110.9	133.5	80.1	43.1
75°	4984.4	3548.9	1497.2	197.2	133.5	162.2	127.3	76.0	86.3	63.7	39.0
77.5°	2398.8	1729.3	679.8	108.8	90.4	82.1	67.8	47.2	53.4	57.5	34.9
80°	90.4	67.8	51.3	53.4	57.5	37.0	30.8	24.6	30.8	39.0	18.5
82.5°	0.0	0.0	0.0	6.2	8.2	10.3	12.3	10.3	12.3	14.4	2.1
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°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	833.8	829.7	833.8	837.9	842.0	846.1	840.0	844.1	848.2	837.9	842.0
5°	768.1	766.0	778.4	784.5	792.7	796.9	792.7	792.7	790.7	778.4	778.4
7.5°	710.6	712.7	722.9	737.3	747.6	753.7	749.6	747.6	741.4	722.9	722.9
10°	667.5	667.5	683.9	696.2	710.6	716.8	712.7	706.5	700.3	681.8	679.8
12.5°	632.6	632.6	644.9	665.4	681.8	690.1	688.0	679.8	669.5	651.0	649.0
15°	599.7	597.6	616.1	634.6	657.2	667.5	663.4	657.2	638.7	622.3	618.2
17.5°	566.8	564.8	581.2	605.9	630.5	644.9	642.8	628.4	612.0	591.5	587.4
20°	534.0	529.9	550.4	575.0	599.7	614.1	610.0	597.6	577.1	556.6	552.5
22.5°	501.1	499.1	513.4	534.0	556.6	568.9	566.8	556.6	536.0	517.5	517.5
25°	464.1	464.1	474.4	488.8	505.2	511.4	513.4	509.3	497.0	486.7	486.7
27.5°	433.3	427.2	431.3	435.4	443.6	453.9	453.9	458.0	460.0	455.9	458.0
30°	408.7	398.4	392.3	384.1	379.9	384.1	388.2	402.5	416.9	425.1	429.2
32.5°	379.9	367.6	351.2	328.6	314.2	310.1	322.4	349.1	375.8	394.3	404.6
35°	351.2	334.8	304.0	271.1	252.6	246.4	260.8	291.6	330.7	363.5	377.9
37.5°	322.4	299.8	256.7	217.7	197.2	193.1	207.4	240.3	285.5	330.7	349.1
40°	289.6	262.9	211.5	170.5	154.0	149.9	162.2	195.1	242.3	293.7	322.4
42.5°	256.7	223.9	170.5	135.5	119.1	119.1	135.5	160.2	203.3	258.8	293.7
45°	223.9	188.9	139.7	108.8	98.6	100.6	110.9	135.5	170.5	228.0	260.8
47.5°	193.1	162.2	115.0	90.4	82.1	84.2	96.5	117.1	145.8	197.2	232.1
50°	166.4	137.6	100.6	76.0	69.8	73.9	86.3	104.7	129.4	174.6	203.3
52.5°	149.9	123.2	92.4	65.7	61.6	65.7	78.0	94.5	117.1	154.0	182.8
55°	141.7	121.2	92.4	59.6	53.4	57.5	69.8	86.3	104.7	139.7	164.3
57.5°	139.7	125.3	98.6	53.4	45.2	49.3	61.6	78.0	96.5	127.3	147.9
60°	131.4	119.1	96.5	43.1	34.9	41.1	51.3	67.8	88.3	119.1	137.6
62.5°	115.0	104.7	84.2	34.9	26.7	30.8	43.1	59.6	80.1	108.8	129.4
65°	94.5	84.2	65.7	22.6	16.4	20.5	32.9	51.3	69.8	98.6	117.1
67.5°	69.8	59.6	45.2	14.4	8.2	14.4	26.7	43.1	63.7	88.3	106.8
70°	43.1	34.9	24.6	8.2	6.2	12.3	24.6	41.1	57.5	82.1	100.6
72.5°	24.6	16.4	10.3	4.1	6.2	12.3	24.6	41.1	55.5	78.0	94.5
75°	18.5	10.3	4.1	2.1	4.1	10.3	22.6	37.0	53.4	73.9	90.4
77.5°	12.3	6.2	2.1	0.0	2.1	8.2	20.5	34.9	49.3	69.8	86.3
80°	2.1	0.0	0.0	0.0	0.0	6.2	18.5	30.8	45.2	61.6	76.0
82.5°	0.0	0.0	0.0	0.0	0.0	2.1	14.4	26.7	39.0	51.3	61.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	8.2	20.5	30.8	39.0	43.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3	20.5	24.6	28.8
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	840.0	852.3	852.3	860.5	870.8	889.3	899.5	913.9	924.2	934.5	938.6
5°	776.3	778.4	780.4	784.5	796.9	817.4	835.9	858.5	885.2	905.7	918.0
7.5°	722.9	722.9	722.9	729.1	741.4	755.8	774.3	805.1	835.9	860.5	881.1
10°	677.7	683.9	686.0	696.2	710.6	729.1	749.6	776.3	811.2	844.1	881.1
12.5°	649.0	655.1	665.4	675.7	690.1	710.6	733.2	768.1	840.0	907.8	985.8
15°	622.3	630.5	642.8	657.2	673.6	696.2	720.9	792.7	961.2	1088.5	1211.7
17.5°	593.5	605.9	622.3	636.7	657.2	681.8	712.7	852.3	1183.0	1394.5	1604.0
20°	556.6	573.0	591.5	614.1	638.7	667.5	712.7	975.5	1503.3	1807.3	2084.6
22.5°	521.7	538.1	560.7	589.4	618.2	646.9	722.9	1162.4	1916.1	2300.2	2651.4
25°	492.9	513.4	536.0	560.7	593.5	626.4	747.6	1425.3	2413.2	2908.1	3156.6
27.5°	466.2	490.8	513.4	534.0	562.7	599.7	803.0	1776.5	3000.5	3503.7	3698.8
30°	439.5	468.3	490.8	511.4	540.1	579.2	887.2	2224.2	3653.6	4142.4	4162.9
32.5°	416.9	443.6	470.3	490.8	517.5	562.7	1004.3	2747.9	4323.1	4795.5	4602.5
35°	392.3	423.1	447.7	470.3	499.1	548.4	1139.8	3312.7	4998.8	5395.2	5039.9
37.5°	367.6	402.5	433.3	449.8	478.5	534.0	1238.4	3902.1	5688.9	5980.5	5423.9
40°	345.0	384.1	419.0	435.4	449.8	515.5	1252.8	4505.9	6389.2	6557.6	5785.4
42.5°	320.4	363.5	394.3	416.9	429.2	503.2	1166.5	5015.3	6976.6	7132.7	6257.8
45°	293.7	345.0	369.7	386.1	410.7	511.4	1055.6	5409.6	7648.2	7917.2	7036.1
47.5°	267.0	324.5	345.0	357.4	390.2	560.7	1014.6	5672.5	8755.1	9313.7	8348.5
50°	242.3	306.0	328.6	326.5	386.1	624.3	1059.7	5871.7	10418.7	11075.9	10147.6
52.5°	215.6	285.5	312.2	304.0	416.9	673.6	1150.1	6029.8	11698.2	13141.9	12564.8
55°	193.1	262.9	287.5	285.5	474.4	710.6	1219.9	5196.0	12228.0	15062.2	15288.1
57.5°	176.6	238.2	258.8	293.7	511.4	710.6	1410.9	3688.5	12238.3	16475.2	18902.7
60°	162.2	215.6	230.0	322.4	497.0	673.6	1396.5	2259.1	11279.2	16378.6	20825.0
62.5°	149.9	195.1	213.6	330.7	439.5	667.5	1261.0	1400.7	9619.8	15132.0	19430.5
65°	139.7	178.7	205.4	304.0	398.4	714.7	850.3	1006.3	7802.2	13710.8	17830.6
67.5°	129.4	164.3	217.7	248.5	361.5	638.7	614.1	714.7	6124.3	12152.0	16362.2
70°	121.2	156.1	230.0	203.3	316.3	499.1	435.4	542.2	4688.7	10139.4	14294.1
72.5°	115.0	145.8	193.1	160.2	256.7	386.1	304.0	394.3	3064.2	7915.1	11653.0
75°	108.8	133.5	141.7	129.4	191.0	252.6	230.0	264.9	1825.8	5785.4	8841.4
77.5°	106.8	125.3	115.0	104.7	129.4	149.9	174.6	178.7	891.3	2893.7	4633.3
80°	94.5	113.0	98.6	86.3	88.3	98.6	129.4	119.1	203.3	735.2	1236.4
82.5°	73.9	88.3	82.1	71.9	71.9	71.9	86.3	80.1	65.7	330.7	558.6
85°	51.3	61.6	61.6	57.5	55.5	55.5	53.4	51.3	18.5	20.5	30.8
87.5°	34.9	43.1	45.2	43.1	37.0	32.9	28.8	24.6	8.2	0.0	4.1
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°	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5	899.5
2.5°	952.9	959.1	959.1	950.9	944.7	928.3	911.9	895.4	891.3	889.3
5°	952.9	977.6	989.9	987.9	973.5	946.8	911.9	874.9	864.6	860.5
7.5°	938.6	985.8	1022.8	1028.9	1002.2	955.0	891.3	835.9	821.5	815.3
10°	971.4	1063.8	1137.8	1148.0	1117.2	1024.8	922.1	827.7	805.1	790.7
12.5°	1148.0	1300.0	1390.4	1433.5	1374.0	1256.9	1086.4	918.0	866.7	844.1
15°	1505.4	1721.0	1893.6	1893.6	1838.1	1630.7	1415.0	1141.9	1072.1	1010.4
17.5°	1963.4	2234.5	2386.5	2370.0	2285.8	2140.0	1881.2	1489.0	1347.3	1283.6
20°	2485.0	2647.3	2682.2	2671.9	2635.0	2550.8	2372.1	1951.1	1760.1	1661.5
22.5°	2936.9	2893.7	2842.4	2801.3	2791.0	2815.7	2791.0	2466.6	2316.6	2142.1
25°	3242.9	2998.5	2844.4	2770.5	2805.4	2947.1	3101.2	2980.0	2860.9	2680.1
27.5°	3409.2	2986.2	2764.3	2688.4	2747.9	2949.2	3283.9	3489.3	3366.1	3279.8
30°	3499.6	2975.9	2713.0	2639.1	2729.4	2982.0	3411.3	3965.8	3969.9	3832.3
32.5°	3629.0	3041.6	2723.3	2655.5	2776.7	3080.6	3571.5	4450.5	4569.6	4495.7
35°	3774.8	3142.2	2770.5	2708.9	2858.8	3212.1	3750.1	4939.3	5187.8	5163.1
37.5°	3912.4	3255.2	2881.4	2821.9	2984.1	3325.0	3922.7	5419.8	5764.9	5851.1
40°	4056.2	3413.3	3222.3	3279.8	3370.2	3503.7	4076.7	5836.8	6399.5	6528.9
42.5°	4395.0	3961.7	4253.3	4362.2	4374.5	4099.3	4413.5	6370.7	7023.8	7177.9
45°	5150.8	4937.2	5773.1	5927.1	5847.0	5013.2	5224.7	7140.9	7896.7	7974.7
47.5°	6105.8	6204.4	7853.5	8385.5	7904.9	6091.4	6208.5	8761.3	9494.5	9465.7
50°	7218.9	7685.1	10215.3	11470.2	10320.1	7492.1	7342.2	10753.4	11642.7	11554.4
52.5°	8535.4	9406.2	13053.6	14836.3	13747.8	9067.3	9005.7	13392.5	13934.7	13653.3
55°	10192.8	11067.7	16319.1	18810.3	17261.8	10989.6	11201.1	16452.6	16557.3	15663.9
57.5°	12665.5	13234.4	20167.8	23367.5	20929.8	13602.0	15136.1	20525.2	19272.4	17580.1
60°	17155.0	16021.3	23887.1	28029.6	24831.9	17276.1	20325.9	22938.3	20176.0	17843.0
62.5°	18717.9	18387.2	26216.1	30001.2	27456.6	20293.1	21675.3	21570.5	19005.4	16849.0
65°	16349.9	17797.8	25799.2	28959.9	27119.7	19796.1	19451.1	20061.0	17686.9	15339.4
67.5°	15103.3	16413.6	24219.9	26086.7	25252.9	18110.0	17337.7	17171.4	14848.6	12979.7
70°	13846.4	15144.3	21929.9	22162.0	21773.8	15362.0	14347.5	13232.3	11098.5	9473.9
72.5°	12334.8	13049.5	18752.8	17652.0	17212.5	12065.8	11852.2	9964.8	8319.7	6925.2
75°	10757.5	10550.1	14620.6	12115.1	12443.7	9387.7	10010.0	7317.5	6095.5	4984.4
77.5°	7824.8	7670.8	9792.3	7358.6	8149.3	6148.9	5524.6	2920.4	2780.8	2398.8
80°	4366.3	5263.8	5288.4	4123.9	5144.6	4008.9	1382.2	96.5	61.6	90.4
82.5°	2029.1	2263.2	2867.0	1912.0	2934.8	1986.0	285.5	0.0	0.0	0.0
85°	657.2	961.2	805.1	281.4	710.6	671.6	47.2	0.0	0.0	0.0
87.5°	39.0	80.1	20.5	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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