

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: P635181

Luminaire Tested: GWS-SA3D-730-U-SLL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635181
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-SA3D-730-U-SLL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9702.7 lumens
Efficiency: N/A
Efficacy: 80.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

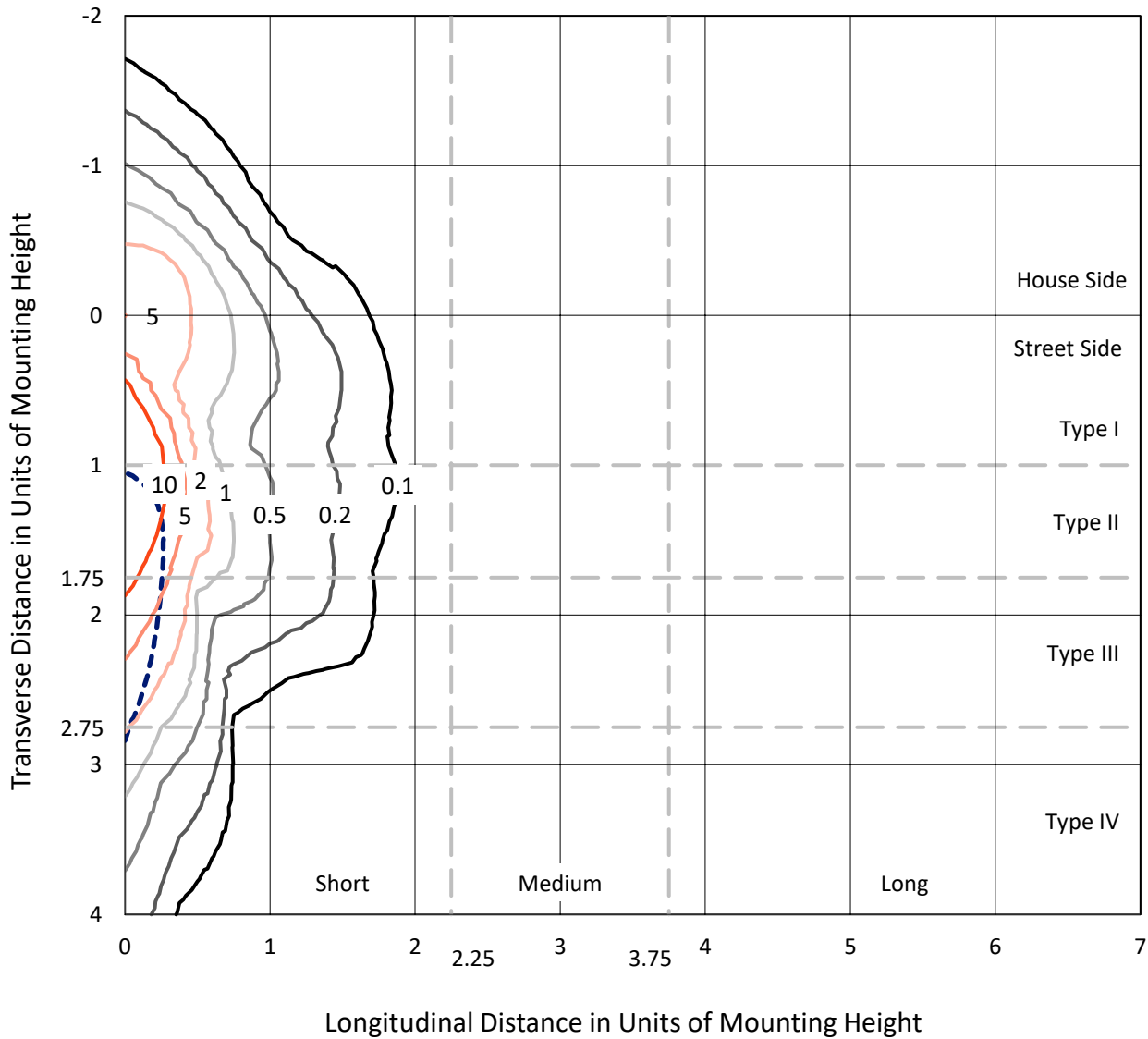
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

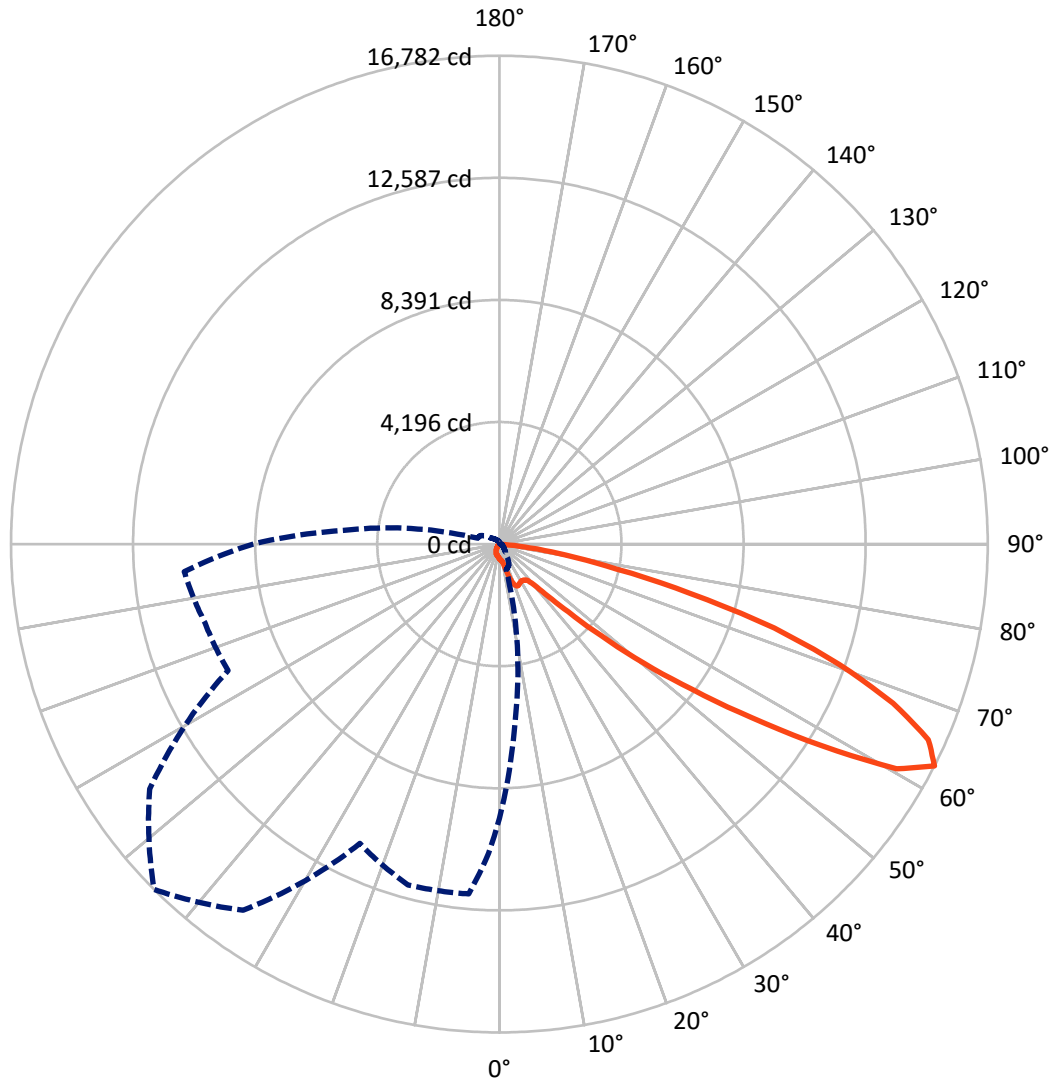
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.3 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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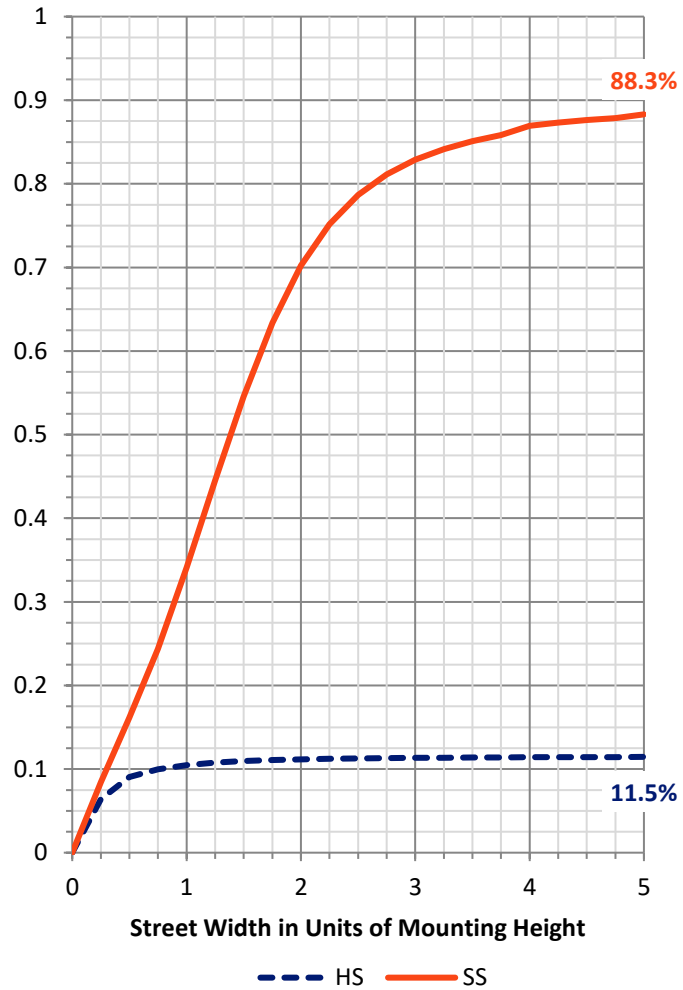
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1127.3	0.0	1127.3
	% Fixture	11.6	0.0	11.6
Street Side	Lumens	8575.4	0.0	8575.4
	% Fixture	88.4	0.0	88.4
Total	Lumens	9702.7	0.0	9702.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	0.4
10°-20°	148.9	1.5
20°-30°	336.5	3.5
30°-40°	579.6	6.0
40°-50°	1093.4	11.3
50°-60°	2441.3	25.2
60°-70°	3265.2	33.7
70°-80°	1637.4	16.9
80°-90°	156.9	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°	9702.7	100.0
0°-180°	9702.7	100.0

Coefficient of Utilization

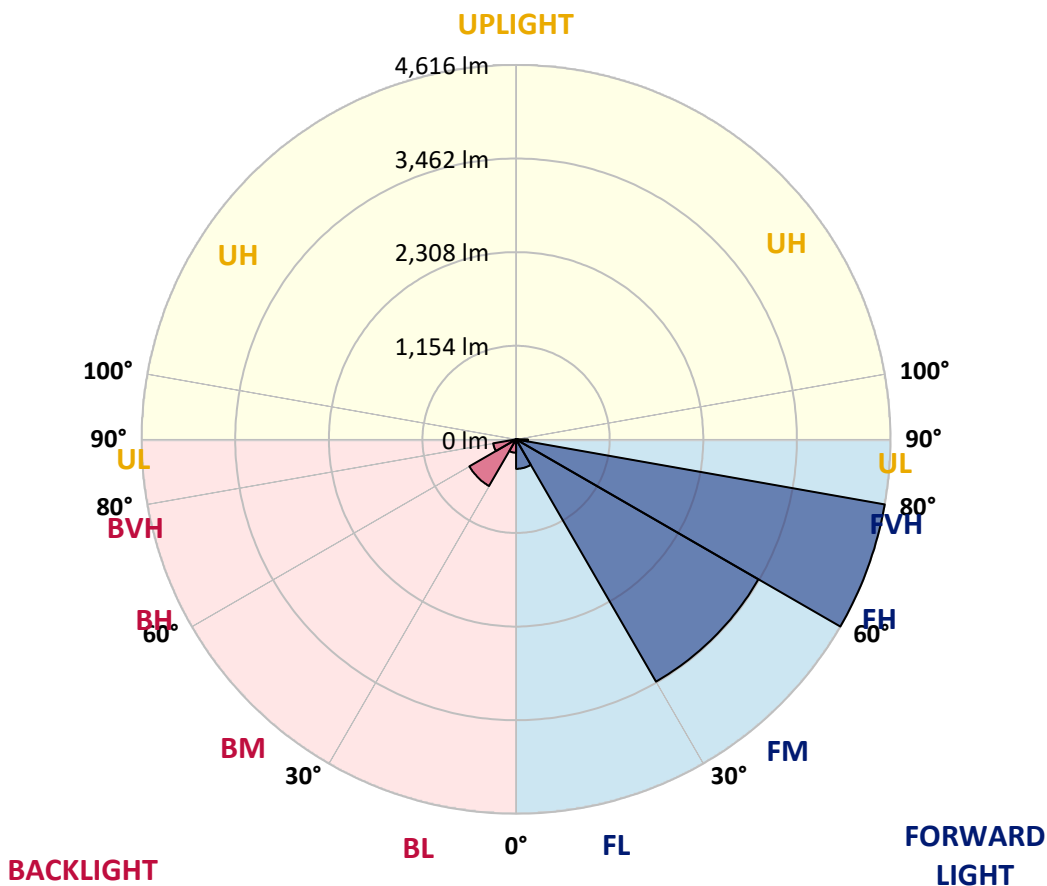


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	363.4	3.7			
FM (30°-60°)	3449.6	35.6			
FH (60°-80°)	4615.9	47.6			G2/5000
FVH (80°-90°)	146.5	1.5			G2/225
BL (0°-30°)	165.5	1.7	B1/500		
BM (30°-60°)	664.7	6.9	B1/1000		
BH (60°-80°)	286.7	3.0	B1/500		G1/500
BVH (80°-90°)	10.4	0.1			G1/100
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°	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2
2.5°	497.5	496.3	494.0	487.1	481.4	477.9	471.0	471.0	469.9	467.6	463.0
5°	481.4	476.8	472.2	459.5	445.8	437.7	428.5	427.4	427.4	425.1	423.9
7.5°	456.1	451.5	445.8	425.1	412.4	404.4	396.4	395.2	391.8	391.8	391.8
10°	442.3	435.4	426.2	403.2	390.6	383.7	378.0	374.5	372.2	368.8	367.6
12.5°	472.2	459.5	440.0	398.7	381.4	372.2	365.3	363.0	356.1	351.5	348.1
15°	565.2	534.2	495.2	409.0	378.0	364.2	355.0	350.4	344.7	336.6	330.9
17.5°	718.0	673.2	607.7	442.3	374.5	357.3	345.8	337.8	329.7	320.5	313.6
20°	929.4	862.8	784.7	503.2	374.5	349.3	335.5	325.1	313.6	303.3	295.3
22.5°	1198.2	1131.6	998.3	606.6	379.1	338.9	322.8	309.0	295.3	286.1	276.9
25°	1499.2	1405.0	1281.0	731.8	391.8	325.1	307.9	294.1	281.5	270.0	259.6
27.5°	1834.7	1732.5	1567.0	909.9	419.3	311.3	291.8	279.2	267.7	256.2	242.4
30°	2143.8	2082.9	1914.0	1123.6	464.1	302.1	279.2	267.7	256.2	241.3	228.6
32.5°	2514.8	2406.8	2267.8	1367.1	523.9	293.0	268.8	252.7	243.6	229.8	216.0
35°	2888.2	2796.3	2613.6	1667.0	590.5	283.8	256.2	241.3	233.2	217.1	202.2
37.5°	3273.1	3252.4	3072.0	1999.0	656.0	273.4	241.3	232.1	224.0	205.6	188.4
40°	3652.2	3614.3	3447.7	2378.1	696.2	261.9	228.6	222.9	213.7	193.0	173.5
42.5°	4015.2	3986.5	3824.5	2741.2	690.5	251.6	216.0	209.1	202.2	181.5	157.4
45°	4461.0	4413.9	4209.4	3010.0	631.9	263.1	203.3	191.9	190.7	171.2	141.3
47.5°	5295.0	5140.0	4793.0	3216.8	573.3	293.0	189.6	175.8	183.8	160.8	125.2
50°	6463.4	6280.8	5778.7	3377.6	572.1	332.0	187.3	160.8	178.1	152.8	111.4
52.5°	7637.5	7315.9	6705.8	3463.8	614.6	360.7	207.9	145.9	171.2	144.8	101.1
55°	8762.3	8094.8	7094.1	3178.9	648.0	391.8	245.9	137.9	158.5	135.6	95.4
57.5°	9834.1	8720.9	7263.0	2514.8	759.4	404.4	268.8	141.3	140.2	124.1	90.8
60°	9981.2	8691.0	6921.8	1462.5	837.5	382.6	259.6	157.4	122.9	110.3	82.7
62.5°	9425.2	8113.2	6144.0	912.2	777.8	374.5	230.9	179.2	111.4	97.7	72.4
65°	8580.8	7206.7	5122.7	588.2	589.4	415.9	202.2	175.8	104.5	86.2	62.0
67.5°	7260.7	6031.5	4035.9	394.1	333.2	355.0	176.9	120.6	102.2	73.5	48.3
70°	5299.6	4293.2	2627.4	263.1	198.8	283.8	148.2	86.2	96.5	60.9	34.5
72.5°	3873.9	2884.8	1467.1	172.3	112.6	165.4	109.1	62.0	74.7	44.8	24.1
75°	2788.3	1985.2	837.5	110.3	74.7	90.8	71.2	42.5	48.3	35.6	21.8
77.5°	1341.9	967.3	380.3	60.9	50.5	46.0	37.9	26.4	29.9	32.2	19.5
80°	50.5	37.9	28.7	29.9	32.2	20.7	17.2	13.8	17.2	21.8	10.3
82.5°	0.0	0.0	0.0	3.4	4.6	5.7	6.9	5.7	6.9	8.0	1.1
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°	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2
2.5°	466.4	464.1	466.4	468.7	471.0	473.3	469.9	472.2	474.5	468.7	471.0
5°	429.7	428.5	435.4	438.9	443.5	445.8	443.5	443.5	442.3	435.4	435.4
7.5°	397.5	398.7	404.4	412.4	418.2	421.6	419.3	418.2	414.7	404.4	404.4
10°	373.4	373.4	382.6	389.5	397.5	400.9	398.7	395.2	391.8	381.4	380.3
12.5°	353.8	353.8	360.7	372.2	381.4	386.0	384.9	380.3	374.5	364.2	363.0
15°	335.5	334.3	344.7	355.0	367.6	373.4	371.1	367.6	357.3	348.1	345.8
17.5°	317.1	315.9	325.1	338.9	352.7	360.7	359.6	351.5	342.4	330.9	328.6
20°	298.7	296.4	307.9	321.7	335.5	343.5	341.2	334.3	322.8	311.3	309.0
22.5°	280.3	279.2	287.2	298.7	311.3	318.2	317.1	311.3	299.8	289.5	289.5
25°	259.6	259.6	265.4	273.4	282.6	286.1	287.2	284.9	278.0	272.3	272.3
27.5°	242.4	239.0	241.3	243.6	248.2	253.9	253.9	256.2	257.3	255.0	256.2
30°	228.6	222.9	219.4	214.8	212.5	214.8	217.1	225.2	233.2	237.8	240.1
32.5°	212.5	205.6	196.5	183.8	175.8	173.5	180.4	195.3	210.2	220.6	226.3
35°	196.5	187.3	170.0	151.6	141.3	137.9	145.9	163.1	185.0	203.3	211.4
37.5°	180.4	167.7	143.6	121.8	110.3	108.0	116.0	134.4	159.7	185.0	195.3
40°	162.0	147.1	118.3	95.4	86.2	83.9	90.8	109.1	135.6	164.3	180.4
42.5°	143.6	125.2	95.4	75.8	66.6	66.6	75.8	89.6	113.7	144.8	164.3
45°	125.2	105.7	78.1	60.9	55.1	56.3	62.0	75.8	95.4	127.5	145.9
47.5°	108.0	90.8	64.3	50.5	46.0	47.1	54.0	65.5	81.6	110.3	129.8
50°	93.1	77.0	56.3	42.5	39.1	41.4	48.3	58.6	72.4	97.7	113.7
52.5°	83.9	68.9	51.7	36.8	34.5	36.8	43.7	52.8	65.5	86.2	102.2
55°	79.3	67.8	51.7	33.3	29.9	32.2	39.1	48.3	58.6	78.1	91.9
57.5°	78.1	70.1	55.1	29.9	25.3	27.6	34.5	43.7	54.0	71.2	82.7
60°	73.5	66.6	54.0	24.1	19.5	23.0	28.7	37.9	49.4	66.6	77.0
62.5°	64.3	58.6	47.1	19.5	14.9	17.2	24.1	33.3	44.8	60.9	72.4
65°	52.8	47.1	36.8	12.6	9.2	11.5	18.4	28.7	39.1	55.1	65.5
67.5°	39.1	33.3	25.3	8.0	4.6	8.0	14.9	24.1	35.6	49.4	59.7
70°	24.1	19.5	13.8	4.6	3.4	6.9	13.8	23.0	32.2	46.0	56.3
72.5°	13.8	9.2	5.7	2.3	3.4	6.9	13.8	23.0	31.0	43.7	52.8
75°	10.3	5.7	2.3	1.1	2.3	5.7	12.6	20.7	29.9	41.4	50.5
77.5°	6.9	3.4	1.1	0.0	1.1	4.6	11.5	19.5	27.6	39.1	48.3
80°	1.1	0.0	0.0	0.0	0.0	3.4	10.3	17.2	25.3	34.5	42.5
82.5°	0.0	0.0	0.0	0.0	0.0	1.1	8.0	14.9	21.8	28.7	34.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	11.5	17.2	21.8	24.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.7	11.5	13.8	16.1
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2
2.5°	469.9	476.8	476.8	481.4	487.1	497.5	503.2	511.2	517.0	522.7	525.0
5°	434.3	435.4	436.6	438.9	445.8	457.2	467.6	480.2	495.2	506.6	513.5
7.5°	404.4	404.4	404.4	407.8	414.7	422.8	433.1	450.3	467.6	481.4	492.9
10°	379.1	382.6	383.7	389.5	397.5	407.8	419.3	434.3	453.8	472.2	492.9
12.5°	363.0	366.5	372.2	378.0	386.0	397.5	410.1	429.7	469.9	507.8	551.4
15°	348.1	352.7	359.6	367.6	376.8	389.5	403.2	443.5	537.7	608.9	677.8
17.5°	332.0	338.9	348.1	356.1	367.6	381.4	398.7	476.8	661.7	780.1	897.3
20°	311.3	320.5	330.9	343.5	357.3	373.4	398.7	545.7	841.0	1011.0	1166.1
22.5°	291.8	301.0	313.6	329.7	345.8	361.9	404.4	650.2	1071.9	1286.7	1483.2
25°	275.7	287.2	299.8	313.6	332.0	350.4	418.2	797.3	1349.9	1626.8	1765.8
27.5°	260.8	274.6	287.2	298.7	314.8	335.5	449.2	993.8	1678.5	1959.9	2069.1
30°	245.9	261.9	274.6	286.1	302.1	324.0	496.3	1244.2	2043.8	2317.2	2328.7
32.5°	233.2	248.2	263.1	274.6	289.5	314.8	561.8	1537.2	2418.3	2682.6	2574.6
35°	219.4	236.7	250.4	263.1	279.2	306.7	637.6	1853.1	2796.3	3018.0	2819.3
37.5°	205.6	225.2	242.4	251.6	267.7	298.7	692.8	2182.8	3182.3	3345.4	3034.1
40°	193.0	214.8	234.4	243.6	251.6	288.4	700.8	2520.6	3574.1	3668.3	3236.3
42.5°	179.2	203.3	220.6	233.2	240.1	281.5	652.5	2805.5	3902.6	3990.0	3500.5
45°	164.3	193.0	206.8	216.0	229.8	286.1	590.5	3026.1	4278.3	4428.8	3936.0
47.5°	149.4	181.5	193.0	199.9	218.3	313.6	567.5	3173.1	4897.5	5210.0	4670.1
50°	135.6	171.2	183.8	182.7	216.0	349.3	592.8	3284.6	5828.1	6195.7	5676.5
52.5°	120.6	159.7	174.6	170.0	233.2	376.8	643.4	3373.0	6543.8	7351.5	7028.7
55°	108.0	147.1	160.8	159.7	265.4	397.5	682.4	2906.6	6840.2	8425.7	8552.0
57.5°	98.8	133.3	144.8	164.3	286.1	397.5	789.3	2063.3	6846.0	9216.1	10574.0
60°	90.8	120.6	128.7	180.4	278.0	376.8	781.2	1263.7	6309.5	9162.1	11649.3
62.5°	83.9	109.1	119.5	185.0	245.9	373.4	705.4	783.5	5381.2	8464.7	10869.3
65°	78.1	99.9	114.9	170.0	222.9	399.8	475.6	562.9	4364.5	7669.7	9974.3
67.5°	72.4	91.9	121.8	139.0	202.2	357.3	343.5	399.8	3425.9	6797.7	9152.9
70°	67.8	87.3	128.7	113.7	176.9	279.2	243.6	303.3	2622.8	5671.9	7996.0
72.5°	64.3	81.6	108.0	89.6	143.6	216.0	170.0	220.6	1714.1	4427.7	6518.6
75°	60.9	74.7	79.3	72.4	106.8	141.3	128.7	148.2	1021.3	3236.3	4945.8
77.5°	59.7	70.1	64.3	58.6	72.4	83.9	97.7	99.9	498.6	1618.7	2591.8
80°	52.8	63.2	55.1	48.3	49.4	55.1	72.4	66.6	113.7	411.3	691.6
82.5°	41.4	49.4	46.0	40.2	40.2	40.2	48.3	44.8	36.8	185.0	312.5
85°	28.7	34.5	34.5	32.2	31.0	31.0	29.9	28.7	10.3	11.5	17.2
87.5°	19.5	24.1	25.3	24.1	20.7	18.4	16.1	13.8	4.6	0.0	2.3
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°	358°	360°
0°	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2	503.2
2.5°	533.1	536.5	536.5	531.9	528.5	519.3	510.1	500.9	498.6	497.5
5°	533.1	546.9	553.7	552.6	544.6	529.6	510.1	489.4	483.7	481.4
7.5°	525.0	551.4	572.1	575.6	560.6	534.2	498.6	467.6	459.5	456.1
10°	543.4	595.1	636.5	642.2	625.0	573.3	515.8	463.0	450.3	442.3
12.5°	642.2	727.2	777.8	801.9	768.6	703.1	607.7	513.5	484.8	472.2
15°	842.1	962.7	1059.2	1059.2	1028.2	912.2	791.6	638.8	599.7	565.2
17.5°	1098.3	1249.9	1335.0	1325.8	1278.7	1197.1	1052.3	832.9	753.6	718.0
20°	1390.1	1480.9	1500.4	1494.7	1474.0	1426.9	1326.9	1091.4	984.6	929.4
22.5°	1642.9	1618.7	1590.0	1567.0	1561.3	1575.1	1561.3	1379.8	1295.9	1198.2
25°	1814.0	1677.3	1591.2	1549.8	1569.3	1648.6	1734.8	1667.0	1600.3	1499.2
27.5°	1907.1	1670.4	1546.4	1503.8	1537.2	1649.7	1837.0	1951.9	1883.0	1834.7
30°	1957.6	1664.7	1517.6	1476.3	1526.8	1668.1	1908.2	2218.4	2220.7	2143.8
32.5°	2030.0	1701.4	1523.4	1485.5	1553.2	1723.3	1997.8	2489.6	2556.2	2514.8
35°	2111.6	1757.7	1549.8	1515.3	1599.2	1796.8	2097.8	2763.0	2902.0	2888.2
37.5°	2188.6	1820.9	1611.8	1578.5	1669.3	1860.0	2194.3	3031.8	3224.8	3273.1
40°	2269.0	1909.4	1802.5	1834.7	1885.3	1959.9	2280.5	3265.0	3579.8	3652.2
42.5°	2458.5	2216.1	2379.3	2440.2	2447.0	2293.1	2468.9	3563.7	3929.1	4015.2
45°	2881.3	2761.8	3229.4	3315.6	3270.8	2804.3	2922.7	3994.5	4417.3	4461.0
47.5°	3415.5	3470.7	4393.2	4690.8	4421.9	3407.5	3473.0	4901.0	5311.1	5295.0
50°	4038.2	4299.0	5714.4	6416.3	5773.0	4191.0	4107.1	6015.4	6512.8	6463.4
52.5°	4774.6	5261.7	7302.1	8299.3	7690.4	5072.2	5037.7	7491.6	7794.9	7637.5
55°	5701.7	6191.1	9128.8	10522.3	9656.1	6147.5	6265.8	9203.4	9262.0	8762.3
57.5°	7085.0	7403.2	11281.7	13071.6	11707.9	7608.8	8467.0	11481.6	10780.8	9834.1
60°	9596.3	8962.2	13362.3	15679.5	13890.7	9664.1	11370.2	12831.5	11286.3	9981.2
62.5°	10470.6	10285.6	14665.1	16782.4	15359.0	11351.8	12125.0	12066.4	10631.5	9425.2
65°	9146.0	9955.9	14431.8	16199.9	15170.6	11073.8	10880.8	11222.0	9893.9	8580.8
67.5°	8448.6	9181.6	13548.4	14592.7	14126.3	10130.6	9698.6	9605.5	8306.2	7260.7
70°	7745.5	8471.6	12267.4	12397.2	12180.1	8593.4	8025.9	7402.0	6208.4	5299.6
72.5°	6900.0	7299.8	10490.1	9874.4	9628.5	6749.5	6630.0	5574.2	4654.0	3873.9
75°	6017.7	5901.6	8178.7	6777.1	6960.9	5251.4	5599.5	4093.3	3409.8	2788.3
77.5°	4377.1	4291.0	5477.7	4116.3	4558.6	3439.7	3090.4	1633.7	1555.5	1341.9
80°	2442.5	2944.5	2958.3	2306.9	2877.9	2242.6	773.2	54.0	34.5	50.5
82.5°	1135.1	1266.0	1603.8	1069.6	1641.7	1110.9	159.7	0.0	0.0	0.0
85°	367.6	537.7	450.3	157.4	397.5	375.7	26.4	0.0	0.0	0.0
87.5°	21.8	44.8	11.5	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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