

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: P633095

Luminaire Tested: GWS-SA2E-722-U-SLR-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633095  
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-SA2E-722-U-SLR-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND  
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

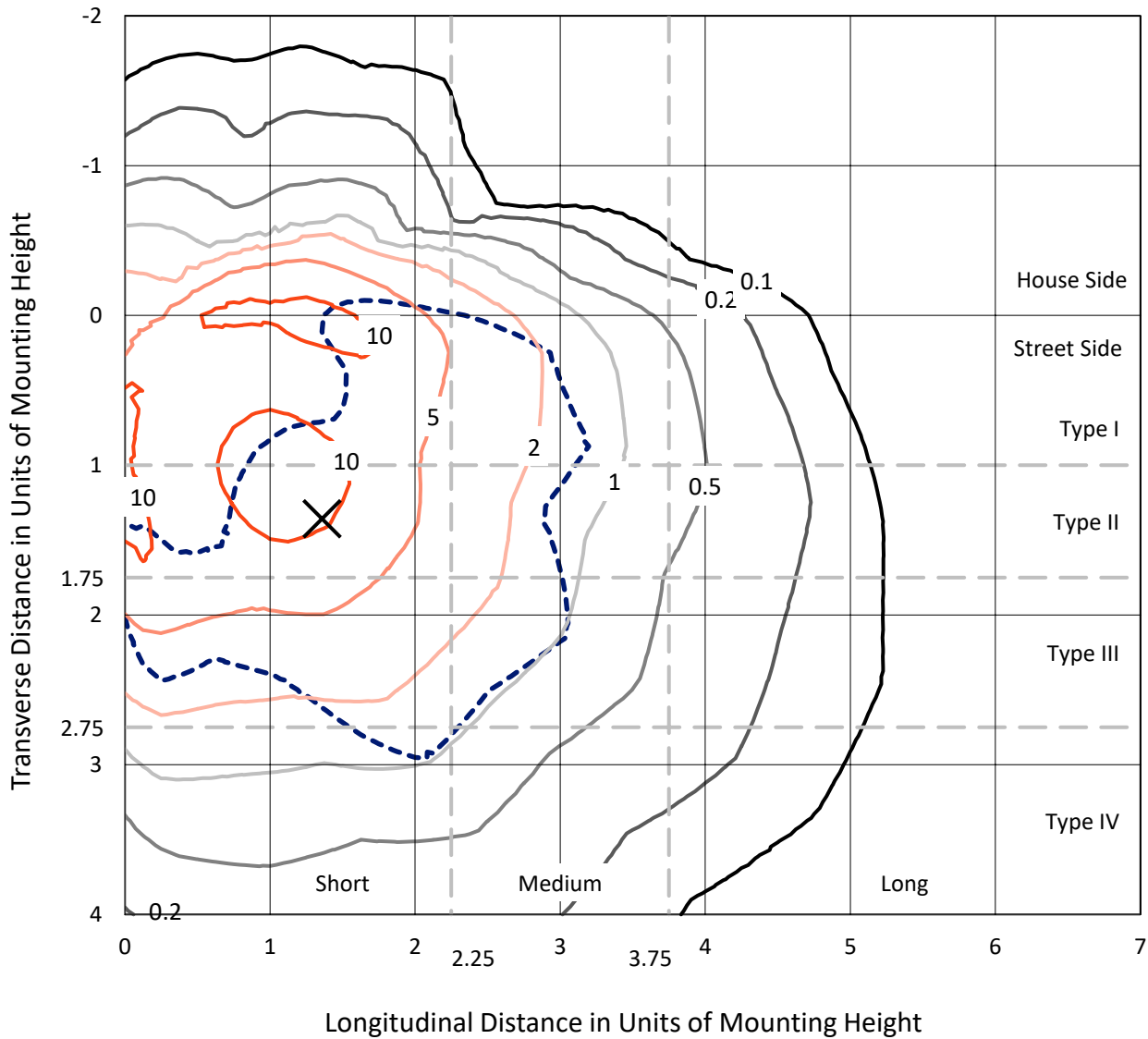
Lumens per Lamp: N/A  
Luminaire Lumens: 6670 lumens  
Efficiency: N/A  
Efficacy: 61.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

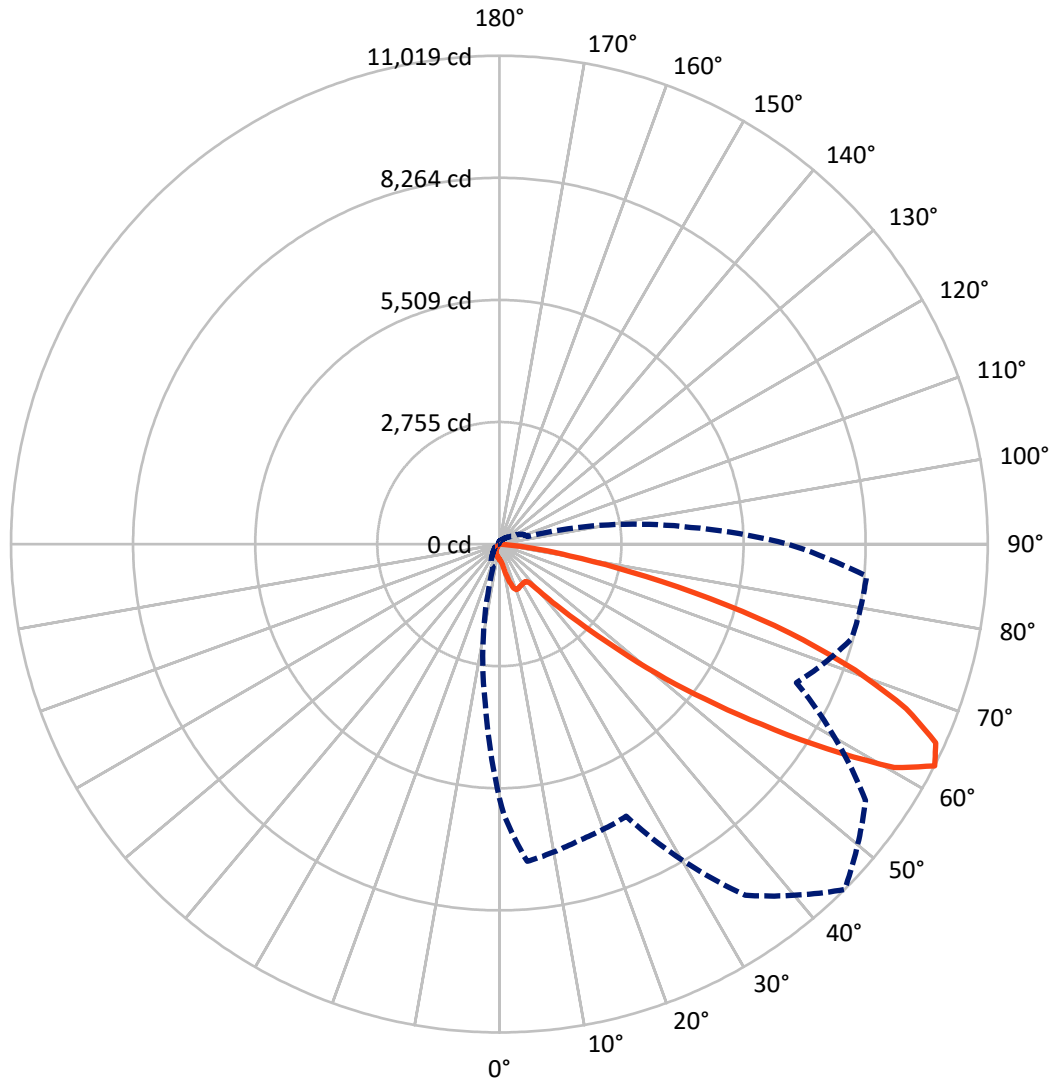
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 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
<b>House Side</b>	Lumens	823.1	0.0	823.1
	% Fixture	12.3	0.0	12.3
<b>Street Side</b>	Lumens	5846.9	0.0	5846.9
	% Fixture	87.7	0.0	87.7
<b>Total</b>	Lumens	6670.0	0.0	6670.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	30.8	0.5
10°-20°	116.3	1.7
20°-30°	252.8	3.8
30°-40°	414.9	6.2
40°-50°	762.8	11.4
50°-60°	1638.1	24.6
60°-70°	2200.2	33.0
70°-80°	1145.6	17.2
80°-90°	108.6	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°	6670.0	100.0
0°-180°	6670.0	100.0

**Coefficient of Utilization**

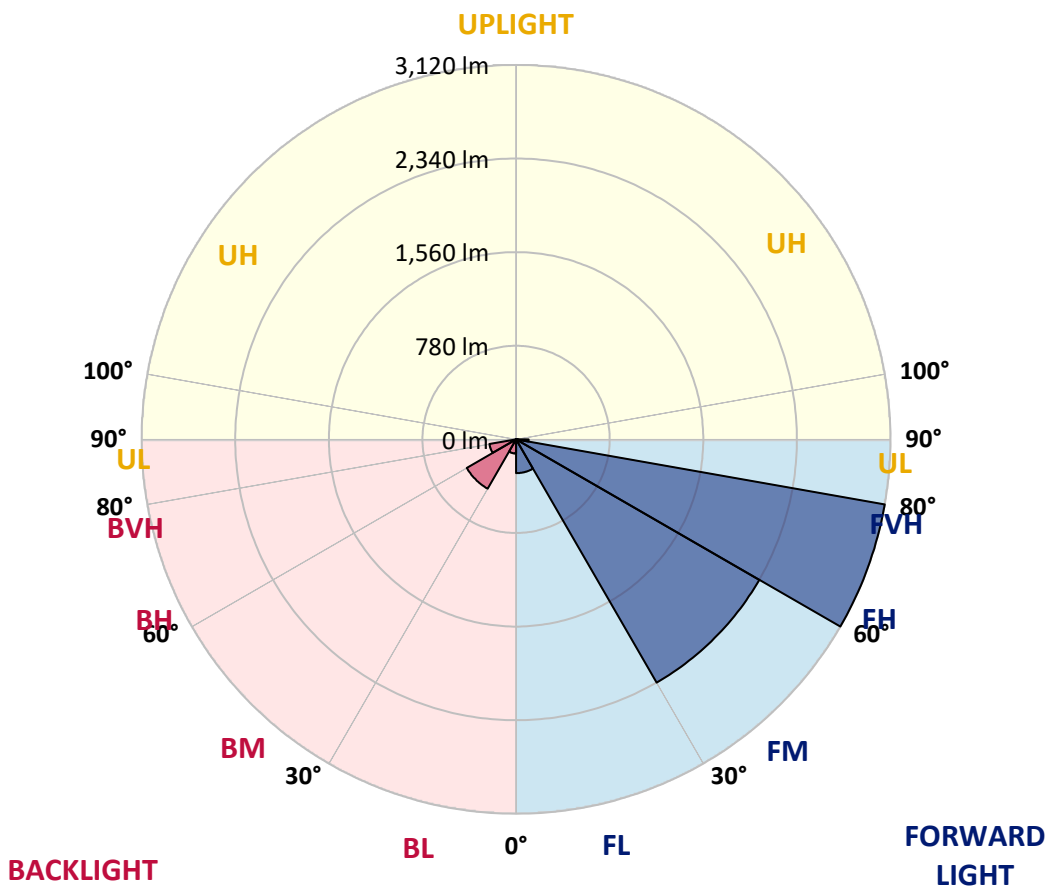


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.8	4.2			
FM (30°-60°)	2341.1	35.1			
FH (60°-80°)	3120.3	46.8			G2/5000
FVH (80°-90°)	103.8	1.6			G2/225
BL (0°-30°)	118.1	1.8	B1/500		
BM (30°-60°)	474.6	7.1	B1/1000		
BH (60°-80°)	225.5	3.4	B1/500		G1/500
BVH (80°-90°)	4.8	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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7
2.5°	353.6	355.2	356.7	362.1	366.0	369.0	369.8	367.5	362.1	356.7	349.0
5°	342.8	344.4	349.8	364.4	379.1	390.6	394.5	392.2	379.1	362.1	344.4
7.5°	342.1	345.2	358.3	389.1	420.7	444.5	450.7	445.3	420.7	386.8	350.6
10°	369.8	375.2	394.5	449.9	507.7	550.1	567.0	543.9	504.6	443.0	383.7
12.5°	442.2	451.5	488.5	569.4	658.7	715.0	738.1	709.6	647.9	558.6	464.6
15°	556.3	570.1	625.6	746.6	852.1	902.2	909.9	893.7	822.1	723.4	597.1
17.5°	717.3	737.3	823.6	946.9	1023.2	1040.9	1038.6	1021.6	969.2	901.4	782.0
20°	909.9	933.8	1018.5	1120.2	1127.9	1107.1	1095.6	1085.6	1067.8	1056.3	963.1
22.5°	1104.0	1133.3	1221.9	1247.4	1178.0	1117.9	1089.4	1097.1	1123.3	1180.3	1142.6
25°	1297.4	1325.2	1408.4	1339.8	1201.1	1101.0	1064.8	1083.2	1145.7	1268.9	1317.5
27.5°	1523.2	1544.0	1593.3	1403.0	1205.0	1087.1	1051.7	1080.2	1156.4	1324.4	1509.3
30°	1758.2	1770.5	1746.6	1419.9	1191.9	1066.3	1038.6	1080.2	1174.9	1361.4	1653.4
32.5°	1930.7	1933.0	1855.2	1421.5	1184.9	1049.3	1026.2	1075.5	1192.6	1392.2	1792.8
35°	2108.7	2097.2	1959.2	1444.6	1203.4	1055.5	1035.5	1088.6	1220.4	1428.4	1915.3
37.5°	2289.0	2268.2	2075.6	1482.3	1251.2	1122.5	1110.2	1155.7	1265.1	1478.5	2050.2
40°	2473.9	2445.4	2196.5	1539.3	1357.5	1350.6	1393.0	1387.6	1387.6	1542.4	2188.8
42.5°	2699.6	2666.5	2375.3	1700.4	1605.6	1760.5	1876.0	1804.4	1671.9	1689.6	2369.1
45°	2997.8	2969.3	2685.0	2008.6	1994.7	2350.6	2506.3	2364.5	2034.7	2029.4	2670.4
47.5°	3474.7	3469.3	3178.9	2366.0	2470.8	3101.8	3402.3	3129.5	2448.5	2389.2	3240.5
50°	4145.0	4128.8	3794.4	2785.2	3037.1	4032.5	4568.7	4114.2	2948.5	2809.0	4004.0
52.5°	4900.0	4917.0	4656.6	3242.8	3638.8	5068.0	5814.6	5242.1	3491.7	3343.0	4964.7
55°	5611.2	5708.2	5639.7	3778.3	4226.7	6211.3	7182.9	6479.4	4164.3	4041.8	6041.8
57.5°	6167.4	6440.9	6921.7	4556.4	4917.8	7548.8	8710.7	7820.8	4949.3	5176.6	7508.0
60°	6198.2	6560.3	7676.7	6184.4	5806.8	8696.0	10236.1	9131.3	6183.6	7103.5	8656.7
62.5°	5733.7	6122.0	7185.2	6924.0	6775.3	9672.2	11018.9	10086.7	7397.8	8232.2	8316.2
65°	5202.0	5594.2	6636.6	6085.0	6662.8	9630.6	10820.1	10109.0	7508.0	7464.8	7706.8
67.5°	4398.5	4750.6	5694.4	5386.2	6141.2	9166.0	9901.8	9471.9	6917.1	6981.8	7089.6
70°	3210.4	3549.4	4425.4	4440.8	5363.1	8328.5	8508.0	8448.7	6370.0	6438.6	6130.4
72.5°	2319.0	2604.9	3360.7	3641.9	4281.4	6984.1	6860.0	7088.9	5465.5	5734.4	4923.9
75°	1667.2	1881.4	2465.4	3168.1	3393.8	5186.6	4910.8	5490.2	4385.4	4937.8	3702.0
77.5°	676.5	752.0	970.0	2134.1	2230.4	3489.3	3006.3	3987.8	3126.5	3244.3	1794.4
80°	27.7	30.8	40.1	1101.7	1529.3	1963.1	1608.7	2131.8	2064.8	1306.7	423.7
82.5°	3.1	3.1	6.9	317.4	669.5	1083.2	758.1	1228.1	1045.5	554.0	192.6
85°	0.8	0.8	1.5	36.2	157.2	173.4	102.5	376.7	486.2	226.5	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	6.9	7.7	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°	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7
2.5°	349.0	345.2	340.5	335.9	333.6	327.4	325.1	323.6	322.0	322.8	322.8
5°	337.5	329.0	319.0	308.9	303.6	297.4	294.3	292.8	293.5	296.6	296.6
7.5°	335.9	319.7	298.2	285.1	278.9	274.3	271.2	269.7	270.4	274.3	275.8
10°	361.3	332.8	294.3	272.0	265.0	260.4	257.3	255.0	253.5	256.6	257.3
12.5°	416.0	376.7	312.8	270.4	258.1	251.9	249.6	245.0	242.7	244.2	245.0
15°	529.3	461.5	349.8	276.6	251.9	245.0	241.1	237.3	233.4	232.7	233.4
17.5°	677.2	580.1	406.0	291.2	247.3	238.8	233.4	228.1	222.7	221.9	221.1
20°	860.6	725.8	484.6	314.3	243.5	233.4	225.7	218.0	211.1	208.8	208.8
22.5°	1027.8	901.4	585.5	342.8	238.1	225.7	216.5	207.2	199.5	195.7	194.9
25°	1231.9	1087.9	706.5	376.0	230.4	215.7	205.7	196.5	188.8	184.1	182.6
27.5°	1437.7	1284.3	843.6	419.1	221.1	205.7	196.5	188.0	179.5	174.1	172.6
30°	1637.2	1496.2	997.7	473.1	214.2	195.7	188.0	179.5	171.8	163.3	161.0
32.5°	1851.4	1712.7	1170.3	533.1	208.8	188.8	180.3	172.6	162.6	154.9	151.0
35°	2057.9	1936.1	1360.6	591.7	203.4	182.6	173.4	165.6	154.9	146.4	141.0
37.5°	2265.9	2163.4	1559.4	627.1	195.7	174.1	165.6	159.5	147.2	137.1	131.0
40°	2486.2	2398.4	1774.3	612.5	188.8	164.9	160.3	153.3	139.5	127.9	120.2
42.5°	2728.1	2622.6	1993.1	556.3	182.6	157.2	152.5	145.6	132.5	118.6	108.6
45°	3032.5	2868.4	2172.7	471.5	185.7	149.5	140.2	138.7	126.4	108.6	96.3
47.5°	3555.6	3245.9	2312.1	416.8	206.5	141.0	130.2	134.1	121.0	98.6	84.7
50°	4356.1	3871.5	2442.3	413.0	238.1	137.1	121.0	131.0	115.6	88.6	74.7
52.5°	5118.8	4507.1	2525.5	446.9	265.8	147.2	111.7	127.1	111.7	81.7	67.8
55°	5848.5	4873.8	2376.8	471.5	292.0	177.2	104.8	121.0	107.1	77.8	65.5
57.5°	6635.1	5037.2	1871.4	521.6	310.5	202.6	106.3	111.7	100.9	75.5	64.7
60°	6870.1	4828.4	1129.5	587.1	300.5	210.3	117.9	99.4	92.5	70.9	62.4
62.5°	6504.9	4333.0	666.4	534.7	292.0	198.8	134.8	91.7	84.0	64.7	57.8
65°	5958.6	3660.4	434.5	451.5	309.7	177.2	143.3	87.8	76.3	58.6	50.8
67.5°	5334.6	2948.5	304.3	266.6	285.8	159.5	121.0	87.1	68.6	49.3	41.6
70°	4493.2	2208.1	214.2	176.4	238.1	141.8	94.0	84.7	60.1	40.1	32.4
72.5°	3471.6	1382.2	159.5	114.0	169.5	115.6	74.7	71.7	48.5	33.1	24.7
75°	2560.2	788.2	112.5	82.4	111.7	87.8	55.5	50.8	41.6	31.6	22.3
77.5°	1336.7	394.5	70.1	63.2	63.9	54.7	40.1	37.0	38.5	31.6	20.8
80°	256.6	78.6	42.4	46.2	34.7	34.7	29.3	30.8	33.9	25.4	17.7
82.5°	107.1	16.9	23.1	26.2	21.6	23.9	23.9	24.7	23.9	18.5	13.1
85°	0.0	0.0	10.0	10.8	14.6	14.6	12.3	12.3	12.3	10.8	7.7
87.5°	0.0	0.0	0.0	0.0	0.8	2.3	4.6	5.4	6.2	4.6	3.1
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°	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7
2.5°	322.0	320.5	322.8	324.4	325.9	325.9	324.4	322.8	320.5	322.8	320.5
5°	297.4	299.7	303.6	305.1	306.6	303.6	302.0	297.4	293.5	294.3	292.8
7.5°	278.1	280.4	285.1	288.1	288.1	286.6	282.0	277.4	271.2	271.2	270.4
10°	260.4	263.5	268.9	272.7	274.3	272.7	268.1	262.0	256.6	256.6	254.2
12.5°	245.8	249.6	255.8	261.2	262.7	261.2	256.6	250.4	244.2	244.2	242.7
15°	233.4	238.1	245.0	251.2	253.5	251.2	245.8	238.1	231.9	232.7	230.4
17.5°	221.9	225.7	235.0	241.9	244.2	241.9	235.0	225.0	218.8	220.3	218.8
20°	208.8	213.4	222.7	230.4	232.7	230.4	222.7	211.9	205.7	205.7	206.5
22.5°	194.9	199.5	208.8	214.2	217.3	215.0	207.2	197.2	191.1	191.1	191.8
25°	182.6	184.9	191.8	197.2	198.0	195.7	189.5	181.8	177.2	179.5	180.3
27.5°	171.0	171.0	174.1	177.2	176.4	174.1	171.8	165.6	164.9	167.2	169.5
30°	158.7	154.9	153.3	151.0	150.2	149.5	151.8	151.8	153.3	156.4	158.7
32.5°	147.9	140.2	133.3	126.4	122.5	125.6	131.7	137.1	142.5	147.2	149.5
35°	135.6	123.3	111.7	102.5	96.3	100.9	110.9	121.0	130.2	136.4	140.2
37.5°	123.3	105.6	91.7	80.1	75.5	79.4	90.1	104.0	117.9	125.6	131.0
40°	110.2	87.8	71.7	62.4	57.8	61.6	72.4	86.3	104.8	114.8	121.7
42.5°	97.1	72.4	57.8	48.5	46.2	48.5	57.0	70.9	90.9	103.2	112.5
45°	84.0	60.1	46.2	39.3	37.0	39.3	46.2	57.8	77.8	91.7	102.5
47.5°	72.4	50.8	38.5	32.4	30.8	33.1	38.5	48.5	65.5	79.4	91.7
50°	63.2	44.7	33.1	27.7	26.2	28.5	33.1	40.8	55.5	67.8	80.9
52.5°	57.0	41.6	29.3	23.9	23.1	24.7	28.5	34.7	47.0	57.8	70.1
55°	55.5	41.6	27.0	21.6	20.8	22.3	25.4	30.0	40.8	50.1	60.9
57.5°	57.0	44.7	25.4	18.5	17.7	19.3	22.3	26.2	35.4	43.1	53.2
60°	57.0	45.5	22.3	14.6	13.9	15.4	18.5	23.1	31.6	37.8	46.2
62.5°	51.6	41.6	18.5	11.6	10.0	11.6	15.4	19.3	27.7	33.9	40.8
65°	44.7	35.4	15.4	8.5	6.9	8.5	12.3	16.2	23.9	29.3	37.0
67.5°	36.2	27.0	11.6	6.2	4.6	6.2	9.2	13.1	20.0	25.4	33.1
70°	27.0	19.3	9.2	5.4	4.6	5.4	8.5	12.3	17.7	23.1	30.8
72.5°	20.0	13.1	7.7	5.4	3.9	5.4	7.7	11.6	16.9	22.3	29.3
75°	16.9	10.8	6.9	4.6	3.9	4.6	6.9	10.8	15.4	20.8	27.7
77.5°	16.2	10.0	6.2	3.9	3.1	3.9	6.2	9.2	13.9	19.3	27.0
80°	13.9	8.5	5.4	3.1	2.3	3.1	5.4	7.7	10.8	14.6	20.8
82.5°	10.8	6.9	3.9	1.5	0.8	1.5	3.9	4.6	6.9	8.5	12.3
85°	6.9	3.9	1.5	0.0	0.0	0.0	1.5	3.1	3.1	3.9	6.2
87.5°	3.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	1.5	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°	359°	360°
0°	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7	346.7
2.5°	325.1	325.9	327.4	329.8	335.1	339.8	344.4	350.6	353.6	353.6
5°	294.3	295.1	295.9	298.9	306.6	312.8	322.8	335.1	341.3	342.8
7.5°	270.4	272.0	273.5	275.8	283.5	292.0	305.1	328.2	339.8	342.1
10°	256.6	258.9	262.0	266.6	273.5	282.8	305.1	346.7	366.0	369.8
12.5°	245.8	249.6	252.7	258.1	266.6	281.2	325.9	399.1	433.0	442.2
15°	235.0	239.6	244.2	249.6	258.9	286.6	366.0	493.1	549.3	556.3
17.5°	224.2	229.6	235.8	241.9	253.5	299.7	429.1	623.3	701.9	717.3
20°	211.9	218.8	227.3	235.0	248.1	320.5	517.0	778.1	876.8	909.9
22.5°	198.8	207.2	217.3	227.3	241.9	345.9	623.3	944.6	1082.5	1104.0
25°	188.0	196.5	205.7	215.7	231.9	376.7	752.0	1151.0	1276.6	1297.4
27.5°	178.0	186.4	194.9	204.2	221.9	416.8	906.8	1370.6	1501.6	1523.2
30°	167.2	177.2	185.7	194.9	212.6	466.1	1085.6	1614.1	1738.1	1758.2
32.5°	157.9	168.0	176.4	185.7	205.7	520.1	1273.5	1829.8	1930.7	1930.7
35°	150.2	161.0	167.2	179.5	200.3	554.7	1451.5	2035.5	2111.8	2108.7
37.5°	141.8	154.9	159.5	168.0	193.4	558.6	1618.7	2252.8	2309.0	2289.0
40°	133.3	147.2	154.1	158.7	185.7	527.0	1802.1	2452.3	2500.1	2473.9
42.5°	125.6	136.4	146.4	151.8	181.1	471.5	1949.2	2665.7	2722.8	2699.6
45°	117.9	127.1	133.3	143.3	184.1	433.0	2075.6	2914.6	3014.8	2997.8
47.5°	110.2	117.9	121.7	137.1	204.9	415.3	2152.6	3299.8	3488.6	3474.7
50°	101.7	110.9	110.9	135.6	235.8	421.4	2219.7	3857.6	4149.6	4145.0
52.5°	93.2	103.2	101.7	147.2	259.6	449.9	2295.9	4349.9	4857.7	4900.0
55°	84.7	94.0	95.5	170.3	273.5	474.6	2000.8	4557.2	5462.5	5611.2
57.5°	75.5	80.9	99.4	188.0	268.9	546.2	1370.6	4594.9	5848.5	6167.4
60°	65.5	70.1	112.5	184.1	254.2	504.6	862.9	4255.9	5793.7	6198.2
62.5°	57.0	64.7	118.6	162.6	258.9	437.6	550.1	3627.3	5272.2	5733.7
65°	50.1	62.4	107.9	147.2	262.0	296.6	371.4	2950.8	4762.9	5202.0
67.5°	44.7	69.3	88.6	131.0	225.0	208.8	255.0	2292.8	4004.8	4398.5
70°	40.8	70.9	72.4	112.5	174.1	134.1	168.0	1543.2	2760.5	3210.4
72.5°	37.0	52.4	54.7	90.1	112.5	81.7	108.6	882.9	2012.4	2319.0
75°	35.4	35.4	37.8	58.6	62.4	59.3	70.1	527.0	1443.0	1667.2
77.5°	33.1	27.0	23.9	37.8	33.9	42.4	41.6	234.2	625.6	676.5
80°	26.2	19.3	16.2	23.9	23.1	28.5	24.7	19.3	28.5	27.7
82.5°	16.2	12.3	11.6	14.6	13.1	14.6	11.6	3.1	3.1	3.1
85°	7.7	6.9	6.2	6.2	6.9	6.2	4.6	1.5	0.8	0.8
87.5°	3.9	3.9	3.1	2.3	3.1	3.1	2.3	0.8	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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