

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: P629355

Luminaire Tested: GWS-SA1B-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-740-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1912.1 lumens
Efficiency: N/A
Efficacy: 76.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

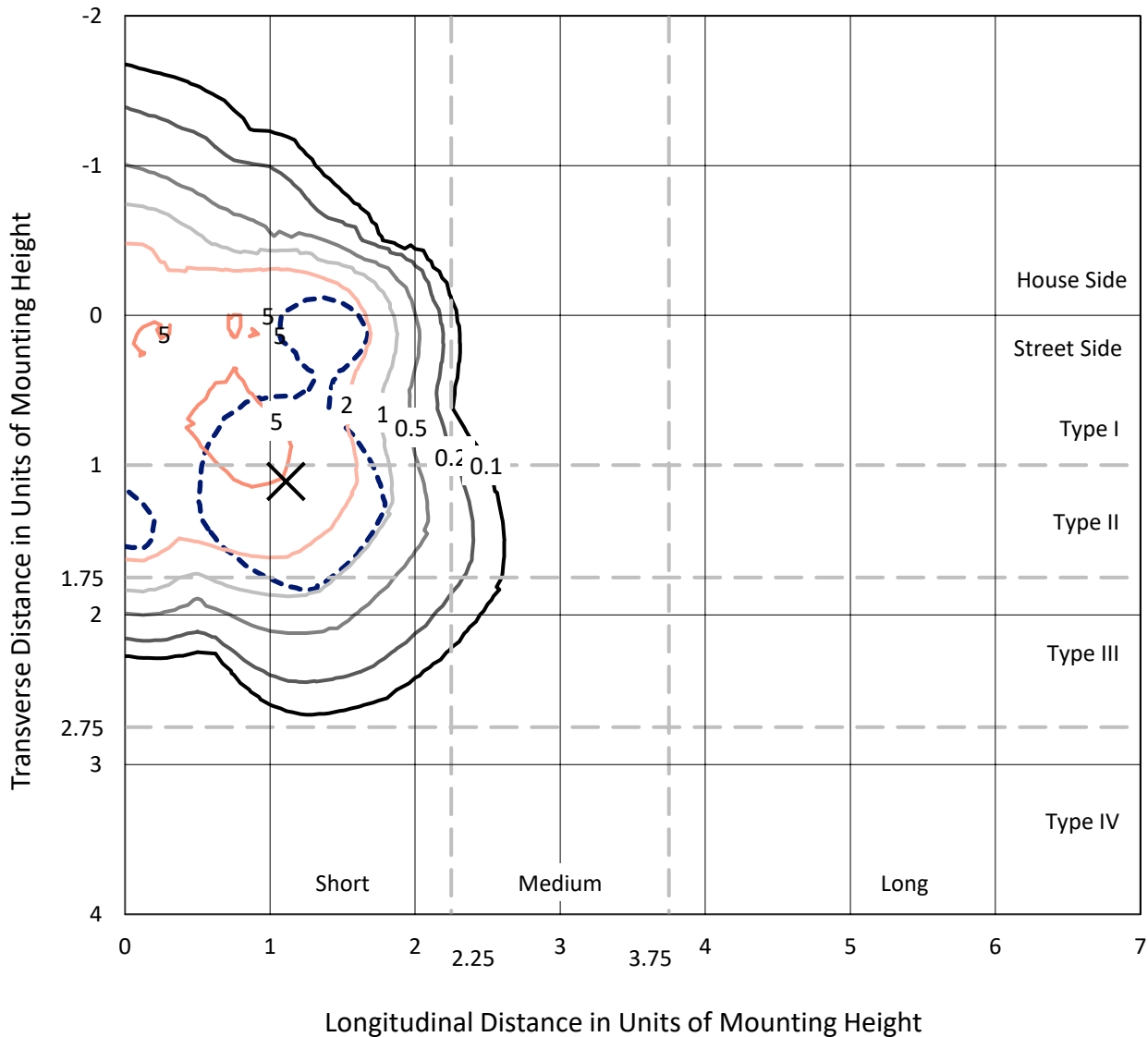
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

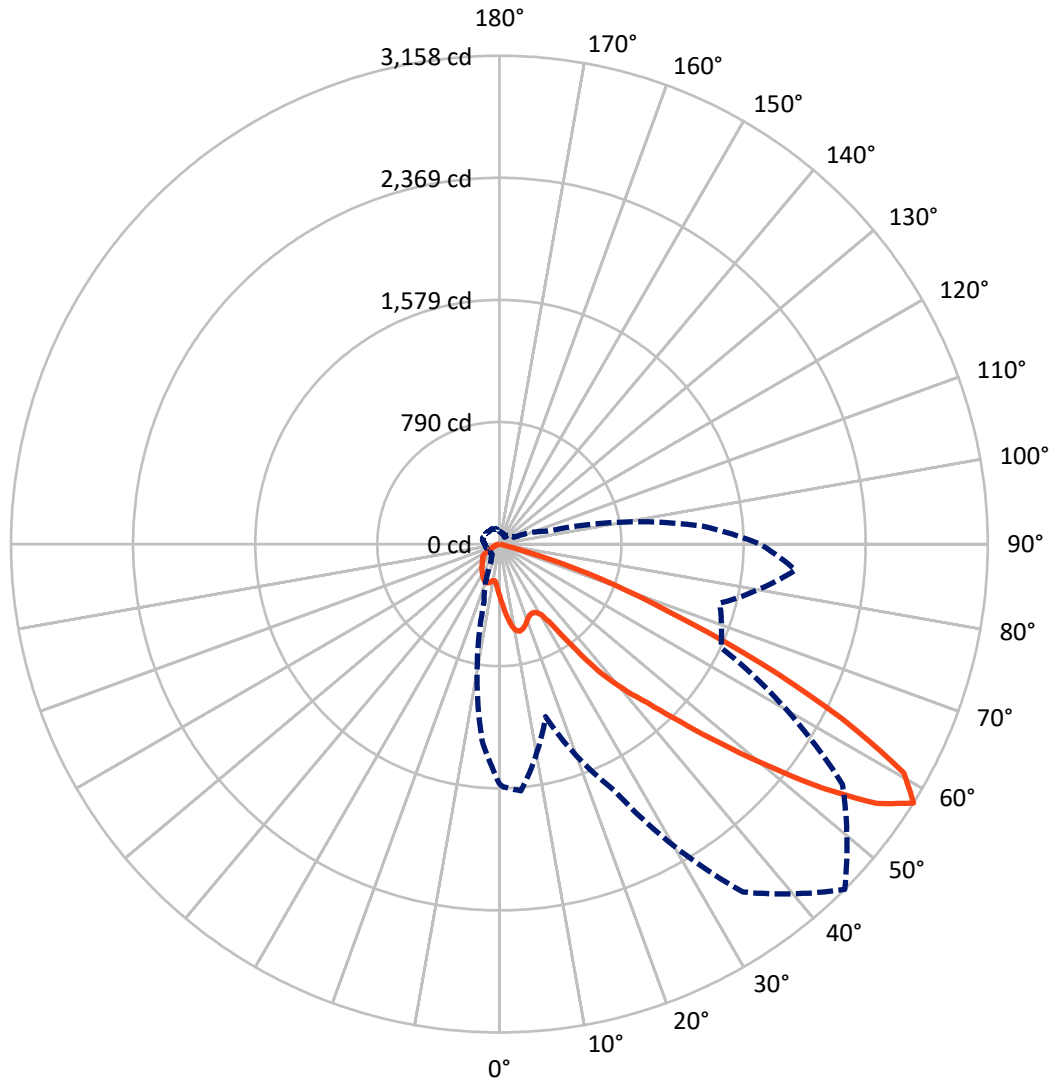
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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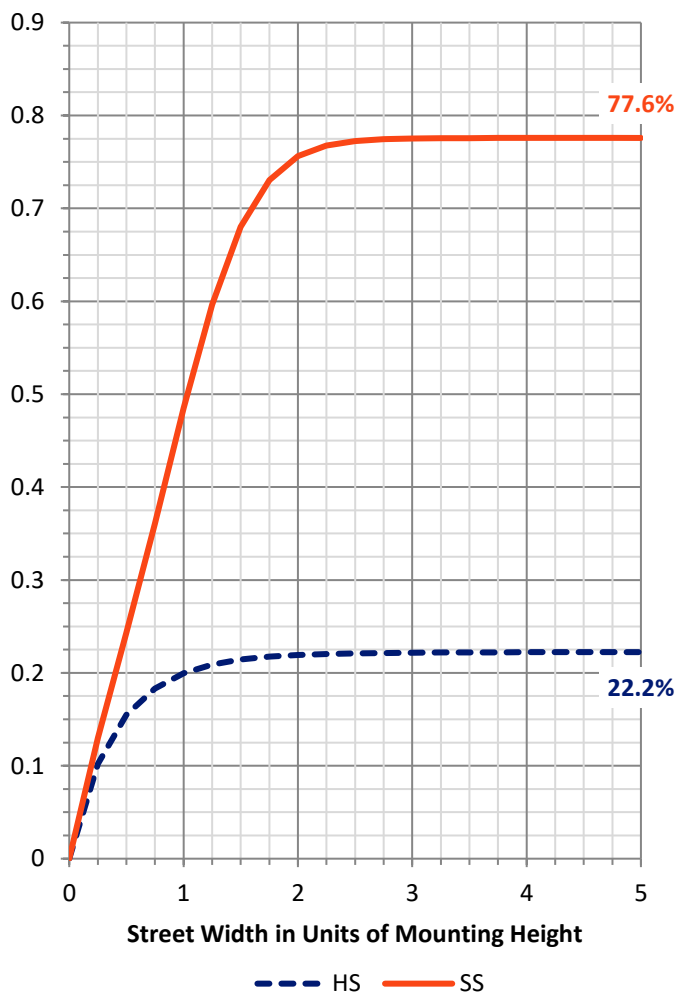
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	428.2	0.0	428.2
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	1483.9	0.0	1483.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	1912.1	0.0	1912.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.1	1.7
10°-20°	107.0	5.6
20°-30°	173.7	9.1
30°-40°	268.4	14.0
40°-50°	430.5	22.5
50°-60°	588.3	30.8
60°-70°	284.9	14.9
70°-80°	26.1	1.4
80°-90°	0.1	0.0
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°	1912.1	100.0
0°-180°	1912.1	100.0

Coefficient of Utilization



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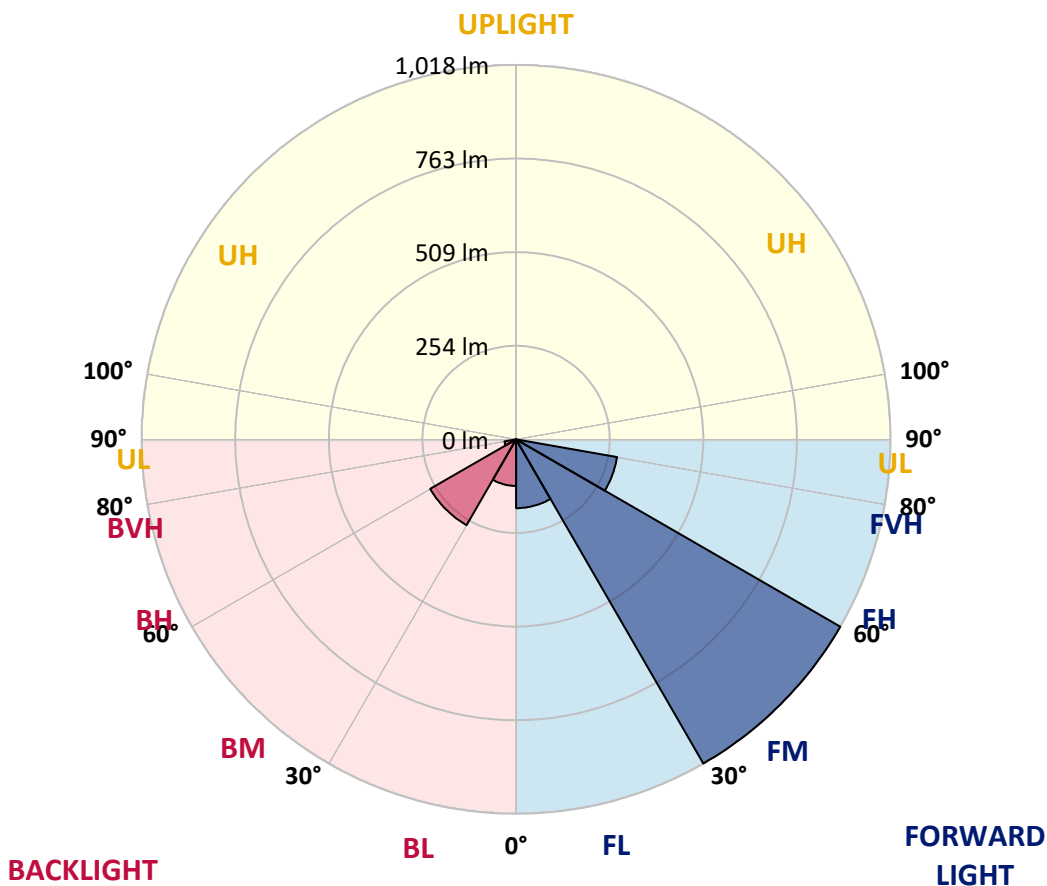
CATALOG NUMBER: GWS-SA1B-740-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	187.1	9.8			
FM (30°-60°)	1017.8	53.2			
FH (60°-80°)	278.9	14.6			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	126.7	6.6	B1/500		
BM (30°-60°)	269.4	14.1	B1/1000		
BH (60°-80°)	32.1	1.7	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1
2.5°	364.1	366.4	370.2	378.5	385.4	390.0	392.1	391.6	388.7	386.7	382.6
5°	403.1	403.1	410.6	429.3	443.7	452.7	457.3	454.5	448.9	439.9	426.0
7.5°	437.3	438.6	451.2	477.9	499.7	512.6	520.0	518.5	508.5	491.3	463.5
10°	464.0	465.6	482.3	514.9	540.6	553.7	564.7	565.8	554.7	531.9	500.0
12.5°	490.0	491.5	509.0	540.3	562.9	568.3	578.1	582.0	579.1	562.9	529.8
15°	518.0	521.6	536.5	559.9	569.4	562.9	569.4	576.3	585.8	584.3	554.5
17.5°	545.5	548.0	563.2	571.4	560.9	544.2	547.3	555.5	577.1	598.1	578.9
20°	570.9	574.5	587.1	576.3	544.4	518.5	518.8	529.5	562.4	606.6	603.8
22.5°	597.6	603.0	612.0	581.7	529.3	498.2	499.5	509.2	550.9	614.6	632.1
25°	632.6	637.7	643.6	595.1	524.4	488.2	493.1	502.1	550.9	628.2	667.0
27.5°	679.9	683.4	683.7	620.0	532.9	489.7	500.0	510.3	567.3	655.4	713.8
30°	739.2	744.9	737.4	658.8	559.3	510.3	525.4	538.3	602.8	701.4	782.6
32.5°	811.4	819.4	809.3	716.3	614.6	581.2	608.7	616.1	659.3	768.0	860.7
35°	896.2	902.9	892.1	796.0	743.6	749.7	799.6	790.1	772.9	849.9	951.9
37.5°	989.2	995.4	974.6	916.7	934.2	960.9	1040.6	1008.0	952.5	955.5	1050.9
40°	1074.5	1081.2	1048.6	1048.0	1084.0	1132.8	1228.9	1184.0	1108.4	1093.8	1143.6
42.5°	1162.9	1167.5	1138.0	1117.9	1199.6	1300.1	1401.8	1341.2	1211.7	1195.8	1259.8
45°	1289.0	1298.8	1246.1	1152.4	1303.7	1492.5	1634.4	1515.9	1282.1	1269.3	1437.6
47.5°	1474.6	1481.7	1374.3	1173.9	1400.6	1732.3	1925.0	1742.5	1344.0	1314.7	1680.6
50°	1627.9	1632.8	1492.3	1197.6	1503.6	1990.7	2256.2	2011.3	1413.7	1390.0	1907.5
52.5°	1741.0	1759.5	1647.2	1246.1	1639.0	2294.7	2622.8	2329.6	1522.3	1535.4	2095.6
55°	1764.4	1789.6	1753.1	1275.9	1758.2	2604.3	2961.4	2614.6	1630.8	1645.7	2158.8
57.5°	1550.6	1570.6	1601.0	1155.7	1755.4	2746.1	3158.0	2709.1	1581.4	1475.8	1922.1
60°	1161.6	1175.5	1230.5	883.3	1614.3	2620.7	3004.9	2548.3	1382.8	1126.1	1464.5
62.5°	688.8	695.0	764.6	572.2	1339.9	2256.9	2492.0	2198.9	1092.7	757.4	897.0
65°	264.4	261.8	315.0	282.4	985.3	1797.8	1853.5	1676.2	749.7	347.1	342.0
67.5°	40.9	39.1	52.7	83.5	710.7	1245.9	1223.0	1208.1	469.7	80.9	70.7
70°	9.2	9.2	11.3	24.7	434.2	732.0	783.4	746.9	300.6	17.2	9.2
72.5°	4.4	4.4	5.4	10.5	157.2	301.6	351.5	346.1	97.6	5.7	3.3
75°	1.5	1.8	1.8	2.3	9.5	15.7	36.0	25.7	6.2	0.0	0.0
77.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1
2.5°	373.6	371.8	365.1	356.1	347.4	339.7	331.7	322.2	315.3	307.3	304.7
5°	415.2	403.9	385.7	366.6	349.2	334.3	319.9	304.5	293.2	281.9	278.0
7.5°	450.4	433.7	404.2	375.6	351.7	330.7	309.9	288.8	272.4	259.0	254.9
10°	482.0	462.7	423.2	388.0	357.9	333.5	308.3	281.9	260.5	244.6	240.7
12.5°	509.2	486.9	439.4	397.2	360.5	332.5	308.1	287.0	267.7	249.5	244.6
15°	532.1	507.4	453.0	403.4	356.6	319.6	298.3	295.0	293.4	273.4	263.9
17.5°	554.5	526.7	464.0	406.2	345.8	297.0	281.6	296.8	312.9	299.8	287.8
20°	577.8	546.2	475.3	406.7	327.9	271.6	269.0	292.9	313.5	309.4	298.0
22.5°	605.3	570.7	489.5	406.5	305.2	250.0	259.8	285.5	302.2	301.9	292.9
25°	645.2	601.5	508.5	408.0	280.6	233.3	249.5	272.9	286.5	286.0	278.5
27.5°	687.8	638.2	533.1	411.9	259.5	223.5	237.4	255.7	267.5	267.0	260.5
30°	747.7	680.6	556.8	412.1	244.3	218.4	224.0	236.6	247.9	246.7	241.8
32.5°	820.4	728.4	576.6	397.5	234.8	213.5	210.2	216.6	225.3	223.5	222.2
35°	908.3	785.2	593.5	365.4	220.2	203.8	194.8	196.0	202.2	203.2	202.7
37.5°	1008.5	852.8	614.6	323.0	200.4	189.6	177.5	176.5	180.1	183.5	186.0
40°	1107.4	928.8	643.1	280.1	182.4	171.6	160.1	157.5	159.0	165.0	170.3
42.5°	1218.6	1017.0	673.9	243.3	170.1	151.8	140.8	135.9	140.3	149.8	156.2
45°	1379.0	1140.5	704.0	214.0	165.0	134.4	119.5	119.0	123.8	136.2	143.4
47.5°	1604.1	1300.4	723.8	191.2	164.7	120.8	103.0	106.1	111.8	123.8	132.1
50°	1823.5	1500.5	701.9	173.7	159.3	111.8	90.7	96.9	102.5	113.1	121.5
52.5°	1955.8	1608.2	616.9	157.2	142.6	107.7	78.6	89.4	90.4	99.9	108.9
55°	1941.9	1538.5	472.5	131.8	117.9	101.7	66.0	80.7	81.2	88.4	96.1
57.5°	1685.5	1320.9	324.5	106.9	88.6	84.0	54.5	68.1	73.0	77.3	83.0
60°	1256.2	963.8	144.7	86.8	56.3	56.8	46.5	51.4	58.8	64.0	68.9
62.5°	740.2	554.5	58.8	52.2	31.1	35.7	37.5	37.5	42.1	46.0	49.1
65°	279.8	194.0	23.9	26.2	16.2	16.7	22.1	27.2	30.8	34.2	38.3
67.5°	49.1	33.9	12.3	9.8	9.5	8.5	11.3	17.7	19.8	22.4	24.2
70°	8.2	6.9	5.1	4.9	4.4	4.6	7.5	12.6	13.9	14.6	15.4
72.5°	2.3	2.1	1.5	1.3	1.0	1.3	4.6	9.8	10.3	10.8	11.6
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.8	6.9	7.5	7.7	8.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.1	2.6	2.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1
2.5°	303.2	298.0	295.2	293.7	293.7	291.6	289.3	288.5	291.9	291.9	297.5
5°	273.1	269.0	264.4	261.6	257.2	258.0	255.4	255.1	258.5	260.0	265.9
7.5°	252.3	247.2	244.3	242.5	240.2	239.2	236.9	236.1	237.9	240.5	246.1
10°	238.4	237.7	237.4	238.7	238.7	237.4	235.4	234.1	234.6	239.5	245.9
12.5°	242.0	243.6	244.1	246.1	247.2	246.1	244.6	245.1	248.5	257.4	267.0
15°	257.7	256.4	255.9	256.9	257.7	256.7	256.2	260.0	271.6	284.4	295.2
17.5°	274.4	266.2	262.6	262.6	263.1	262.6	263.1	270.6	289.3	302.2	310.1
20°	282.9	267.7	262.1	260.8	261.8	262.1	263.9	272.4	292.9	301.9	303.7
22.5°	280.3	261.3	254.9	253.9	254.9	255.9	257.7	264.9	284.2	288.8	288.0
25°	267.5	248.7	243.6	243.6	245.9	245.6	246.4	251.5	267.5	270.3	269.0
27.5°	251.3	233.6	229.2	231.8	233.8	233.3	233.6	237.9	249.7	250.5	249.2
30°	234.8	219.4	215.3	218.4	221.2	220.7	221.0	225.3	232.8	232.0	230.2
32.5°	218.1	206.8	203.8	205.5	209.9	209.4	210.4	215.1	217.9	214.5	212.5
35°	202.7	196.8	194.5	195.5	198.9	199.6	201.4	204.5	204.5	200.4	196.8
37.5°	188.3	187.6	186.0	184.7	187.8	190.1	192.7	196.3	191.2	185.3	181.9
40°	175.0	178.3	176.3	172.9	174.7	178.1	183.2	186.0	179.9	173.9	168.3
42.5°	162.6	168.3	167.5	163.4	165.0	168.0	173.9	176.3	169.1	162.4	157.0
45°	150.8	158.8	159.3	154.2	155.7	158.8	165.7	166.5	157.2	150.1	146.2
47.5°	140.5	149.3	149.5	145.7	146.2	150.6	157.0	157.2	146.7	140.0	135.1
50°	130.8	140.8	141.6	138.2	138.7	143.9	149.3	148.3	136.9	130.0	125.6
52.5°	119.0	132.6	134.4	132.8	134.9	139.0	142.3	138.7	125.6	118.7	114.9
55°	106.1	123.8	127.7	126.7	129.0	132.3	133.1	130.8	114.3	107.4	103.8
57.5°	91.2	102.0	108.7	106.6	108.4	111.8	114.1	112.3	99.9	94.6	91.5
60°	75.5	82.7	84.3	80.9	79.4	85.3	90.7	88.4	77.9	74.5	70.9
62.5°	55.2	63.5	64.5	60.1	58.3	64.7	69.4	67.1	55.5	51.9	49.1
65°	44.2	51.9	54.0	49.8	48.8	53.7	56.5	50.9	42.7	38.8	35.7
67.5°	29.0	35.2	40.6	40.3	38.3	39.8	37.8	33.1	27.2	25.2	23.1
70°	18.0	21.6	24.9	26.2	26.0	25.4	22.6	19.3	17.5	16.7	15.7
72.5°	13.9	17.5	20.0	20.8	21.1	20.3	18.0	14.9	13.1	12.1	11.3
75°	10.3	13.1	15.2	16.2	16.7	16.2	13.9	11.8	10.0	9.2	8.5
77.5°	3.6	4.4	5.4	5.9	5.7	5.4	4.9	4.9	3.9	3.6	3.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1	336.1
2.5°	304.0	308.6	317.1	324.8	333.0	341.5	350.7	360.2	364.6	364.1
5°	274.9	284.9	298.8	314.0	330.9	349.2	369.5	390.3	399.3	403.1
7.5°	256.7	270.8	289.1	308.3	330.7	356.6	387.2	419.8	432.9	437.3
10°	259.0	275.4	290.6	309.4	333.2	366.9	404.9	443.7	459.1	464.0
12.5°	277.7	281.3	285.5	300.9	330.9	374.6	421.1	467.4	485.1	490.0
15°	294.7	278.0	270.3	284.4	322.7	380.0	437.6	492.8	512.3	518.0
17.5°	295.5	270.3	253.1	264.1	309.4	382.3	453.7	518.8	540.1	545.5
20°	286.0	261.8	239.7	240.0	291.1	381.8	467.1	542.1	566.0	570.9
22.5°	272.1	251.8	228.9	221.0	271.6	380.8	481.8	567.1	593.0	597.6
25°	256.7	239.0	218.7	206.6	252.1	381.8	502.3	599.7	628.2	632.6
27.5°	240.0	224.8	210.7	200.9	235.6	385.7	527.0	641.3	675.2	679.9
30°	222.5	211.2	205.5	199.6	225.3	386.7	553.7	689.9	732.8	739.2
32.5°	205.3	199.1	199.4	200.4	215.6	379.5	578.1	743.8	801.1	811.4
35°	189.4	187.6	192.7	197.8	201.4	361.0	599.4	807.5	885.7	896.2
37.5°	175.7	177.3	183.7	188.8	186.0	334.8	627.7	887.2	980.2	989.2
40°	162.6	166.5	173.9	176.3	174.2	304.2	661.6	964.0	1062.2	1074.5
42.5°	150.6	153.4	163.9	164.4	170.9	273.1	694.2	1046.8	1156.5	1162.9
45°	140.8	140.3	151.1	154.4	175.2	238.7	726.1	1157.0	1279.8	1289.0
47.5°	131.3	130.8	133.3	148.5	177.0	206.8	757.7	1318.3	1458.6	1474.6
50°	122.3	123.1	115.1	145.7	167.3	182.4	772.1	1467.6	1621.3	1627.9
52.5°	114.3	111.5	97.6	136.4	146.5	159.3	731.2	1535.4	1722.0	1741.0
55°	103.0	87.4	80.4	110.7	115.6	139.0	598.9	1496.1	1730.7	1764.4
57.5°	88.1	68.6	68.3	81.7	81.7	129.0	383.6	1278.3	1491.5	1550.6
60°	67.8	53.2	56.5	56.8	52.4	94.0	215.3	926.0	1102.8	1161.6
62.5°	48.3	40.6	42.7	33.9	30.1	47.0	103.3	533.1	680.6	688.8
65°	32.4	27.5	22.4	18.8	18.5	20.0	42.7	192.7	234.3	264.4
67.5°	21.3	16.7	11.8	11.8	13.4	13.4	16.2	31.9	44.7	40.9
70°	13.9	11.6	7.5	7.2	8.7	8.7	8.2	8.7	9.2	9.2
72.5°	10.3	8.7	4.4	3.9	4.9	5.1	4.6	4.4	4.4	4.4
75°	7.7	6.2	2.6	1.8	2.3	3.1	2.6	1.8	1.8	1.5
77.5°	3.1	2.3	1.0	0.8	1.3	1.8	1.5	0.8	0.5	0.5
80°	0.3	0.5	0.5	0.5	0.8	1.0	1.3	0.5	0.3	0.3
82.5°	0.0	0.3	0.3	0.3	0.5	0.8	1.0	0.5	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.5	0.8	0.5	0.3	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.3	0.8	0.5	0.3	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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