

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: P630449

Luminaire Tested: GWS-SA1D-760-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-760-U-SLL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3280.4 lumens
Efficiency: N/A
Efficacy: 74.0 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

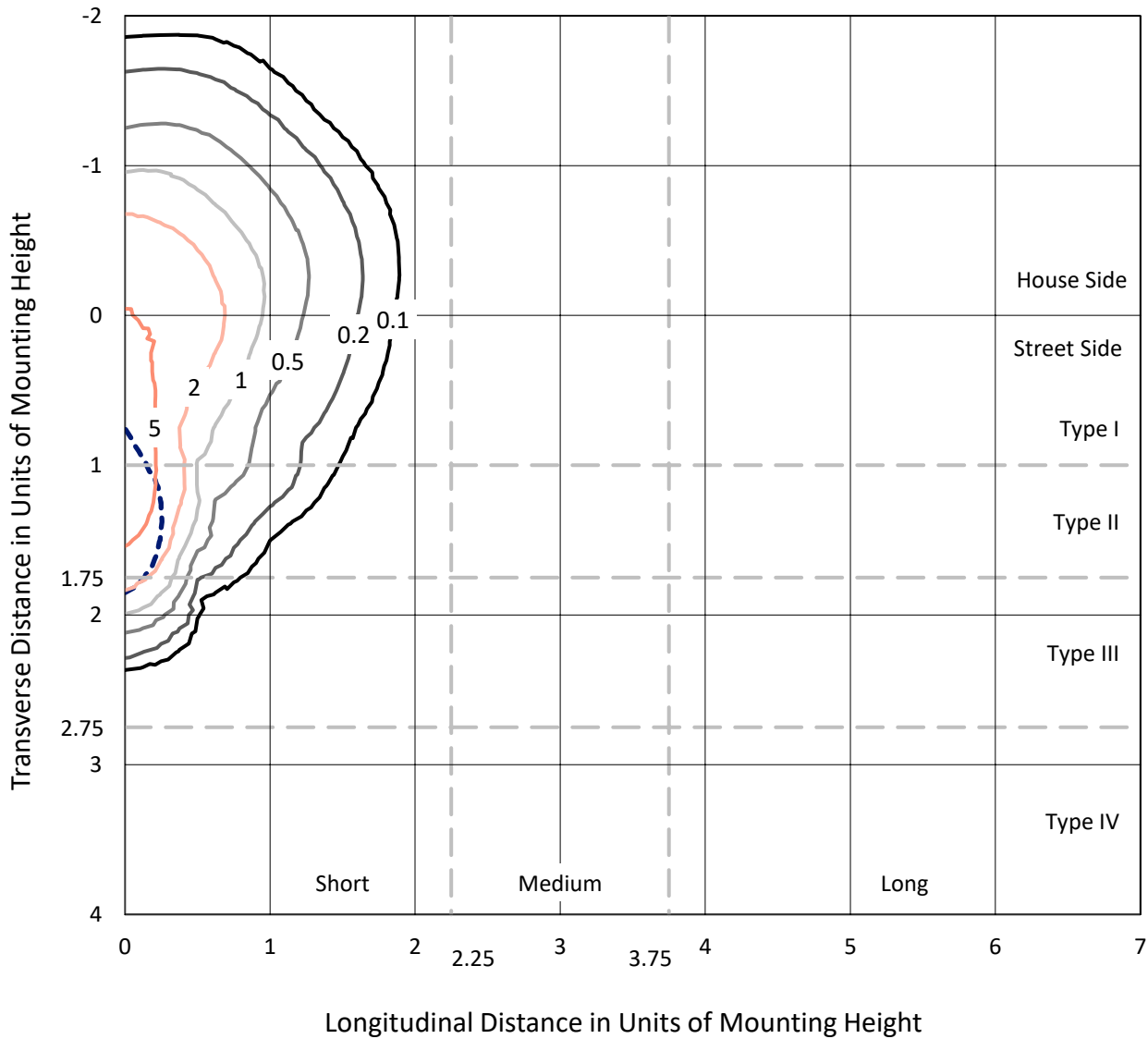
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

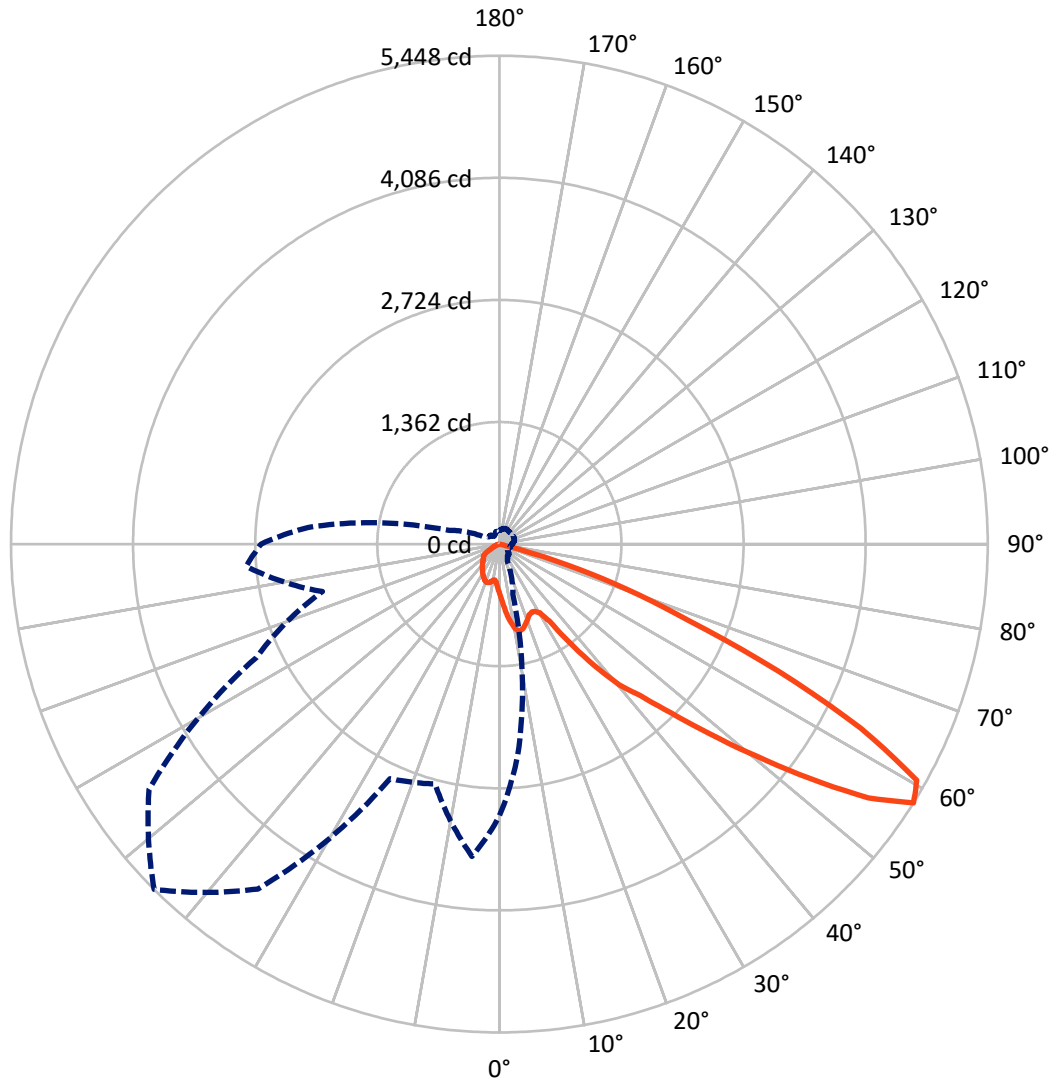
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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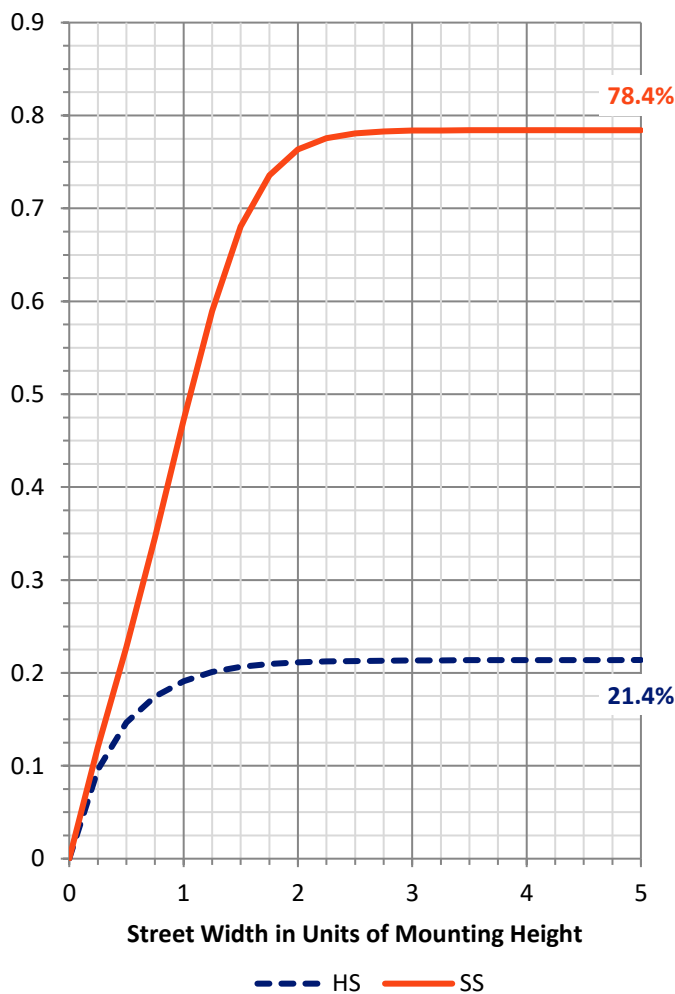
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	706.7	0.0	706.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2573.7	0.0	2573.7
	% Fixture	78.5	0.0	78.5
Total	Lumens	3280.4	0.0	3280.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.1	1.7
10°-20°	181.3	5.5
20°-30°	294.2	9.0
30°-40°	451.5	13.8
40°-50°	721.1	22.0
50°-60°	1009.7	30.8
60°-70°	517.7	15.8
70°-80°	49.8	1.5
80°-90°	0.0	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°	3280.4	100.0
0°-180°	3280.4	100.0

Coefficient of Utilization



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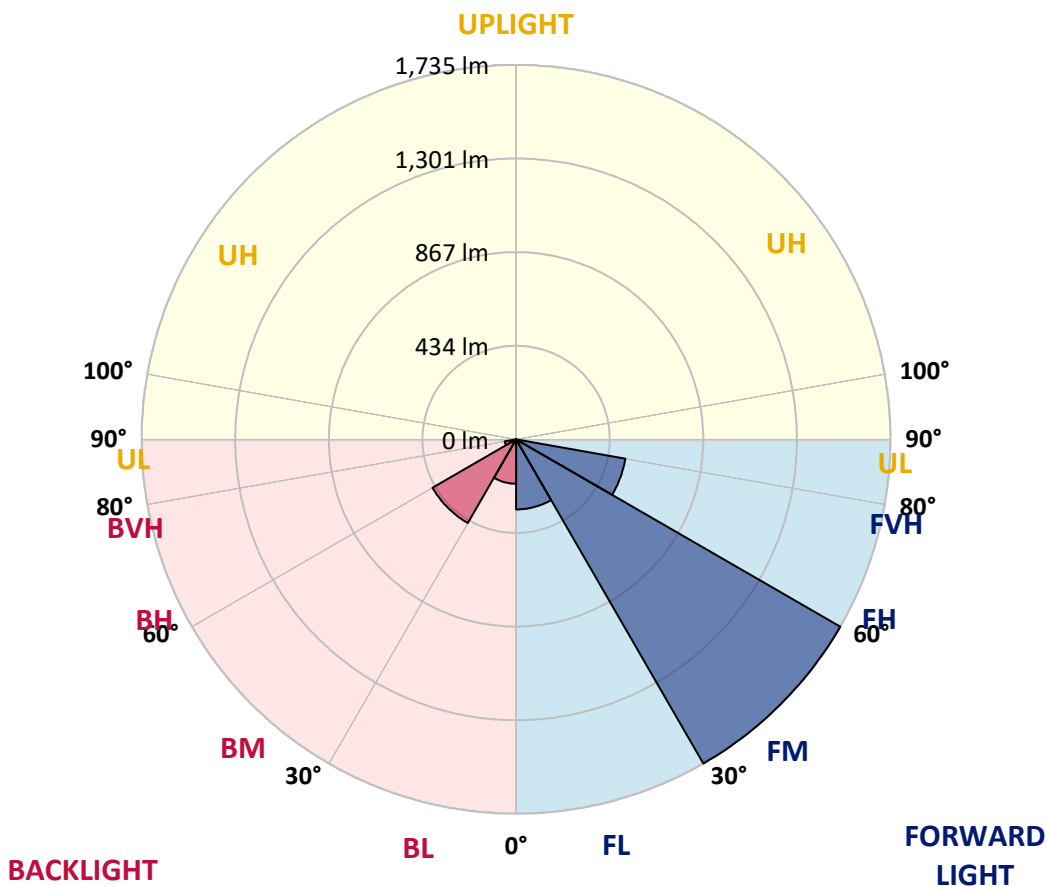
CATALOG NUMBER: GWS-SA1D-760-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.8	9.9			
FM (30°-60°)	1734.8	52.9			
FH (60°-80°)	514.2	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	205.8	6.3	B1/500		
BM (30°-60°)	447.6	13.6	B1/1000		
BH (60°-80°)	53.4	1.6	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°	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4
2.5°	619.2	617.9	613.5	598.6	589.4	574.9	564.4	550.8	535.9	526.7	517.5
5°	685.0	681.5	669.7	635.4	609.1	580.6	557.8	532.8	506.1	488.5	472.3
7.5°	748.2	742.9	727.1	669.2	629.3	588.5	556.1	519.7	482.0	455.6	435.5
10°	810.0	798.1	773.2	702.1	648.2	599.1	560.9	519.2	474.9	441.6	419.2
12.5°	860.9	852.1	817.9	733.2	664.0	601.2	554.3	515.7	485.9	463.5	442.9
15°	904.7	895.1	862.6	761.3	677.5	592.5	526.7	492.9	497.7	506.5	489.0
17.5°	945.1	935.0	899.9	784.6	682.8	571.0	488.1	471.9	498.6	531.5	524.9
20°	986.7	975.3	932.3	803.4	681.1	537.2	449.1	453.9	491.6	529.3	532.8
22.5°	1035.4	1023.6	973.6	827.5	679.7	496.9	415.3	438.1	478.5	510.5	516.6
25°	1099.9	1085.8	1031.0	863.1	683.3	460.0	391.2	422.8	456.1	485.0	488.5
27.5°	1184.9	1167.0	1097.2	906.9	690.7	431.1	380.7	401.7	427.6	453.5	456.5
30°	1295.9	1273.1	1173.1	945.1	687.2	410.9	373.6	380.7	396.0	417.1	417.5
32.5°	1425.7	1394.6	1258.2	978.0	656.9	396.0	364.0	359.2	362.7	378.9	382.0
35°	1578.3	1538.0	1352.0	1009.1	601.7	367.1	346.4	330.2	328.9	336.8	344.3
37.5°	1753.3	1705.1	1470.4	1049.0	536.3	336.8	320.6	304.3	297.3	301.3	312.7
40°	1914.7	1861.2	1594.1	1097.2	469.7	309.6	290.3	273.7	265.3	266.6	280.7
42.5°	2104.1	2048.9	1745.4	1160.4	414.4	291.2	258.7	241.6	230.7	236.8	253.0
45°	2391.8	2329.1	1966.0	1215.2	370.6	286.8	231.1	207.0	201.7	212.3	231.6
47.5°	2784.8	2708.0	2269.0	1248.5	333.3	290.8	211.8	178.9	180.2	192.1	211.4
50°	3174.6	3091.7	2619.4	1204.7	302.6	282.9	202.2	157.0	165.3	175.9	193.4
52.5°	3442.6	3334.7	2790.0	1077.9	274.5	253.0	201.3	136.4	152.2	155.7	170.6
55°	3453.1	3320.2	2702.7	849.9	236.4	213.6	192.1	119.3	137.7	139.0	151.7
57.5°	3026.8	2906.7	2362.0	583.7	210.1	156.6	153.1	104.4	113.1	124.1	132.0
60°	2302.8	2200.6	1766.5	267.5	159.6	99.5	104.8	89.9	84.6	100.9	108.8
62.5°	1410.4	1345.0	1059.5	118.4	101.7	53.1	63.6	71.5	63.6	69.7	76.3
65°	560.0	531.1	402.1	50.4	41.7	26.8	28.9	41.7	44.7	49.1	55.3
67.5°	97.4	92.1	67.5	22.4	17.1	16.2	14.0	19.3	27.2	30.3	35.1
70°	12.7	12.3	11.0	9.2	8.8	7.9	6.1	12.3	18.4	19.3	22.4
72.5°	3.1	2.6	2.6	2.2	2.6	0.9	0.9	6.6	13.2	13.6	15.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	8.3	9.2	11.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4
2.5°	510.0	501.3	498.2	493.8	488.1	489.9	482.0	479.3	483.3	488.5	487.2
5°	463.5	453.9	447.3	437.2	435.5	431.5	428.9	425.4	429.8	435.9	437.2
7.5°	426.7	418.4	411.8	408.7	406.5	404.8	399.5	396.9	396.9	399.5	401.7
10°	410.9	404.8	403.5	404.3	407.8	407.4	402.6	399.1	394.7	392.5	395.1
12.5°	432.8	422.8	421.0	421.4	425.8	425.4	420.1	415.7	414.9	415.7	424.1
15°	470.1	454.8	443.4	441.2	443.4	442.5	438.5	435.9	437.2	449.9	464.0
17.5°	503.4	479.8	459.2	451.3	450.8	449.5	445.6	444.7	451.3	474.9	495.6
20°	513.1	489.9	460.5	450.4	448.2	446.9	442.5	443.8	452.1	480.6	498.2
22.5°	500.4	478.0	447.3	437.2	435.5	435.0	430.6	432.4	439.4	464.4	478.9
25°	476.3	457.4	425.4	416.6	416.6	415.7	411.8	412.7	417.1	439.0	453.0
27.5°	446.9	428.9	402.1	393.4	394.7	396.0	391.2	389.9	393.4	414.0	422.3
30°	413.1	400.4	379.3	371.4	371.0	376.3	369.7	367.9	372.8	389.0	390.7
32.5°	380.2	374.1	359.2	353.0	353.5	354.3	350.8	350.8	355.2	364.0	363.6
35°	348.2	344.3	341.6	337.2	336.8	335.0	335.0	335.9	340.7	343.8	338.1
37.5°	317.5	321.5	324.5	320.1	316.6	316.6	316.6	320.6	325.0	323.6	314.0
40°	290.3	298.6	308.3	303.5	295.1	294.7	296.5	303.0	309.6	301.7	292.9
42.5°	267.1	277.6	291.2	288.6	279.4	278.0	279.4	287.7	292.9	282.9	273.2
45°	244.3	257.4	273.7	273.7	263.6	262.2	262.7	273.7	276.7	264.9	252.6
47.5°	225.0	239.4	256.5	256.5	248.2	245.6	247.8	259.2	261.4	244.7	233.3
50°	206.6	222.3	241.2	239.9	234.2	232.0	235.9	248.2	245.6	227.2	215.3
52.5°	183.3	200.0	225.8	227.2	224.1	224.5	229.4	237.3	229.8	207.4	197.3
55°	162.3	179.4	205.2	212.3	212.3	211.8	214.0	220.1	214.0	187.3	175.0
57.5°	139.5	153.9	175.4	177.2	178.5	173.7	176.7	185.1	182.0	159.2	152.2
60°	114.5	126.7	139.0	140.3	134.6	124.5	130.2	139.9	142.1	125.0	117.1
62.5°	81.1	93.0	107.4	107.4	101.7	91.7	99.1	107.4	104.4	86.8	82.0
65°	60.5	71.5	82.4	87.3	82.4	75.4	81.1	87.3	82.4	68.0	61.0
67.5°	39.0	46.5	53.1	57.0	57.9	57.0	59.6	57.9	52.2	42.5	38.6
70°	23.7	27.6	31.1	34.6	37.3	38.6	39.9	36.0	30.3	25.0	23.7
72.5°	17.1	20.6	23.7	26.3	29.4	30.3	30.3	27.6	22.4	17.5	16.2
75°	11.8	14.9	17.5	19.3	21.9	22.8	22.8	20.6	16.7	12.7	11.4
77.5°	0.4	3.1	3.1	2.6	3.5	4.4	4.4	5.3	4.8	3.5	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4
2.5°	489.9	505.6	510.0	526.3	540.7	555.2	572.7	583.3	599.1	610.0	616.2
5°	441.6	454.8	470.6	494.7	519.7	547.3	580.6	609.6	646.0	672.7	681.5
7.5°	406.5	423.6	442.1	472.3	506.5	543.4	590.3	637.6	693.3	729.7	753.0
10°	400.0	417.5	442.1	471.9	507.8	549.9	607.4	668.8	738.5	782.8	809.1
12.5°	431.5	450.4	460.9	474.5	501.7	548.6	622.3	700.4	782.4	830.6	858.7
15°	478.0	494.7	477.6	460.5	478.0	534.6	630.6	726.7	821.0	876.6	905.6
17.5°	510.0	511.3	474.1	437.7	442.5	509.1	633.7	753.0	862.2	920.5	950.8
20°	507.0	496.4	458.7	418.4	403.5	476.3	630.2	776.2	903.8	964.8	994.6
22.5°	483.3	471.0	439.0	399.5	370.6	437.2	624.0	797.3	942.0	1011.3	1039.3
25°	454.8	441.6	415.3	380.7	349.5	399.5	619.2	826.2	990.2	1071.8	1093.7
27.5°	421.4	410.0	387.7	362.7	340.7	371.0	617.9	864.4	1048.6	1145.5	1160.8
30°	389.0	378.5	360.9	346.4	337.2	354.3	613.5	905.2	1118.3	1230.1	1246.8
32.5°	357.9	347.3	336.4	334.2	334.6	348.2	598.6	945.5	1201.2	1352.9	1365.2
35°	331.1	318.8	314.4	319.7	329.3	337.7	556.5	978.8	1290.2	1486.7	1496.7
37.5°	305.7	293.4	292.9	305.7	316.2	321.5	507.0	1011.7	1410.4	1622.6	1635.3
40°	282.4	270.1	274.5	289.9	298.2	300.8	446.9	1061.7	1537.5	1766.0	1759.0
42.5°	262.7	250.0	252.6	272.3	279.8	286.8	391.6	1103.4	1659.9	1902.0	1899.8
45°	243.4	233.7	232.0	253.5	260.1	288.1	351.3	1135.4	1817.3	2075.2	2078.7
47.5°	224.5	217.1	217.5	226.7	243.0	294.7	317.1	1156.4	2045.8	2349.7	2288.8
50°	207.4	201.7	206.6	196.0	232.0	286.4	287.7	1152.1	2301.0	2612.8	2490.5
52.5°	188.6	187.3	189.5	164.0	214.4	252.6	260.1	1093.7	2420.8	2792.6	2722.9
55°	169.3	168.8	151.3	131.1	179.4	201.7	222.8	912.6	2416.8	2888.2	2972.9
57.5°	146.5	143.0	114.9	107.0	139.5	140.3	203.0	597.7	2141.8	2659.3	2834.7
60°	111.0	108.3	84.2	86.8	97.4	89.9	161.8	297.8	1600.7	2071.7	2269.5
62.5°	76.7	73.2	62.7	67.1	62.7	51.3	99.1	147.4	969.6	1308.2	1487.5
65°	56.1	52.2	43.0	36.8	29.4	29.4	37.7	56.6	375.4	556.1	670.5
67.5°	34.6	32.9	25.4	18.4	18.0	19.3	19.7	28.1	60.5	96.5	118.0
70°	22.4	20.6	17.1	11.8	11.0	11.4	11.8	13.2	15.3	16.7	20.2
72.5°	15.3	14.5	12.3	6.6	5.3	5.7	6.1	6.1	7.5	7.0	8.3
75°	11.0	10.1	8.8	3.1	1.8	2.2	2.6	2.2	2.6	1.8	2.2
77.5°	3.1	3.1	2.2	0.4	0.0	0.4	0.9	0.9	0.4	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	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°	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4	557.4
2.5°	631.9	642.0	646.0	640.3	645.1	637.2	634.1	622.3	621.4	619.2
5°	717.0	739.8	753.4	761.7	752.1	741.6	725.8	698.6	690.3	685.0
7.5°	800.8	836.3	859.5	870.5	867.9	846.4	817.9	772.3	756.0	748.2
10°	873.6	917.0	945.1	958.7	953.0	934.1	893.3	836.3	814.8	810.0
12.5°	924.4	964.4	983.7	995.5	995.9	988.5	949.9	892.4	867.0	860.9
15°	956.5	973.6	974.0	981.0	993.3	1010.0	992.0	941.1	913.9	904.7
17.5°	976.6	957.8	938.5	940.2	960.4	1004.7	1023.1	984.1	955.1	945.1
20°	991.1	931.5	895.5	895.9	916.6	983.7	1044.6	1025.8	995.9	986.7
22.5°	1000.3	908.2	856.9	855.6	877.5	958.7	1064.3	1075.3	1045.9	1035.4
25°	1019.2	897.3	833.7	841.1	860.4	950.8	1091.1	1141.1	1113.9	1099.9
27.5°	1052.9	908.2	831.5	848.6	870.5	974.0	1137.6	1228.8	1200.7	1184.9
30°	1111.3	949.4	865.2	888.9	915.2	1035.0	1215.6	1351.2	1310.8	1295.9
32.5°	1205.1	1035.0	969.6	1020.5	1045.9	1135.0	1332.7	1488.4	1455.5	1425.7
35°	1334.5	1230.1	1222.7	1341.1	1334.9	1324.4	1476.6	1656.8	1607.3	1578.3
37.5°	1512.5	1544.1	1599.4	1716.9	1713.0	1632.7	1665.6	1816.0	1790.6	1753.3
40°	1734.9	1802.0	1895.8	2064.2	2011.6	1910.7	1897.6	1979.1	1958.5	1914.7
42.5°	1866.0	1981.8	2160.7	2312.0	2269.9	2093.6	2078.7	2197.1	2151.9	2104.1
45°	1927.0	2128.3	2479.1	2683.9	2556.3	2215.1	2209.4	2481.3	2455.8	2391.8
47.5°	1955.0	2276.0	2851.8	3161.9	2923.3	2321.6	2301.0	2893.5	2860.2	2784.8
50°	1986.2	2480.0	3300.9	3715.8	3366.7	2442.2	2457.2	3277.7	3263.6	3174.6
52.5°	2054.6	2695.7	3853.9	4349.0	3904.4	2631.3	2725.1	3639.9	3545.2	3442.6
55°	2157.2	2930.8	4429.3	4995.9	4453.0	2885.2	3015.0	3832.4	3566.7	3453.1
57.5°	2043.6	2989.5	4770.0	5447.6	4696.4	2886.1	2769.8	3498.7	3136.9	3026.8
60°	1621.7	2781.2	4638.9	5349.8	4488.9	2562.8	2120.8	2731.7	2376.5	2302.8
62.5°	1096.4	2332.6	4083.7	4524.5	3842.1	2016.0	1378.3	1776.5	1471.3	1410.4
65°	600.8	1740.1	3299.6	3422.8	3007.1	1408.2	709.1	771.0	587.2	560.0
67.5°	165.8	1211.3	2427.8	2270.8	2109.8	917.0	183.3	137.7	98.2	97.4
70°	41.7	801.2	1454.6	1499.4	1293.7	587.2	35.1	16.7	13.2	12.7
72.5°	17.5	344.7	690.3	793.3	662.2	271.9	12.7	4.8	3.9	3.1
75°	2.2	27.6	58.8	89.0	61.0	29.4	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	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
85°	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
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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