

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: P630229

Luminaire Tested: GWS-SA1D-730-U-SLL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630229
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-730-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) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2960.9 lumens
Efficiency: N/A
Efficacy: 66.8 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

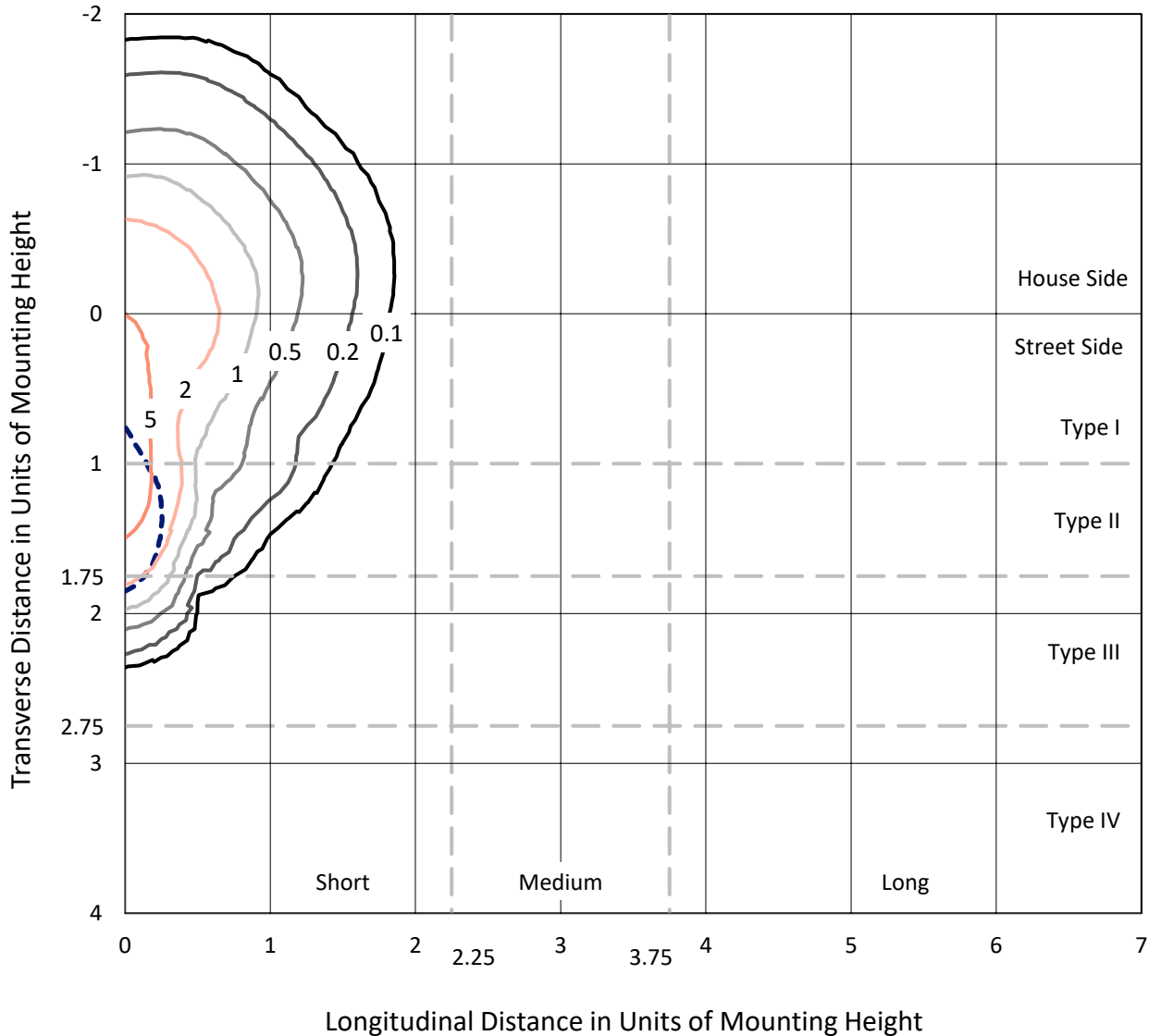
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

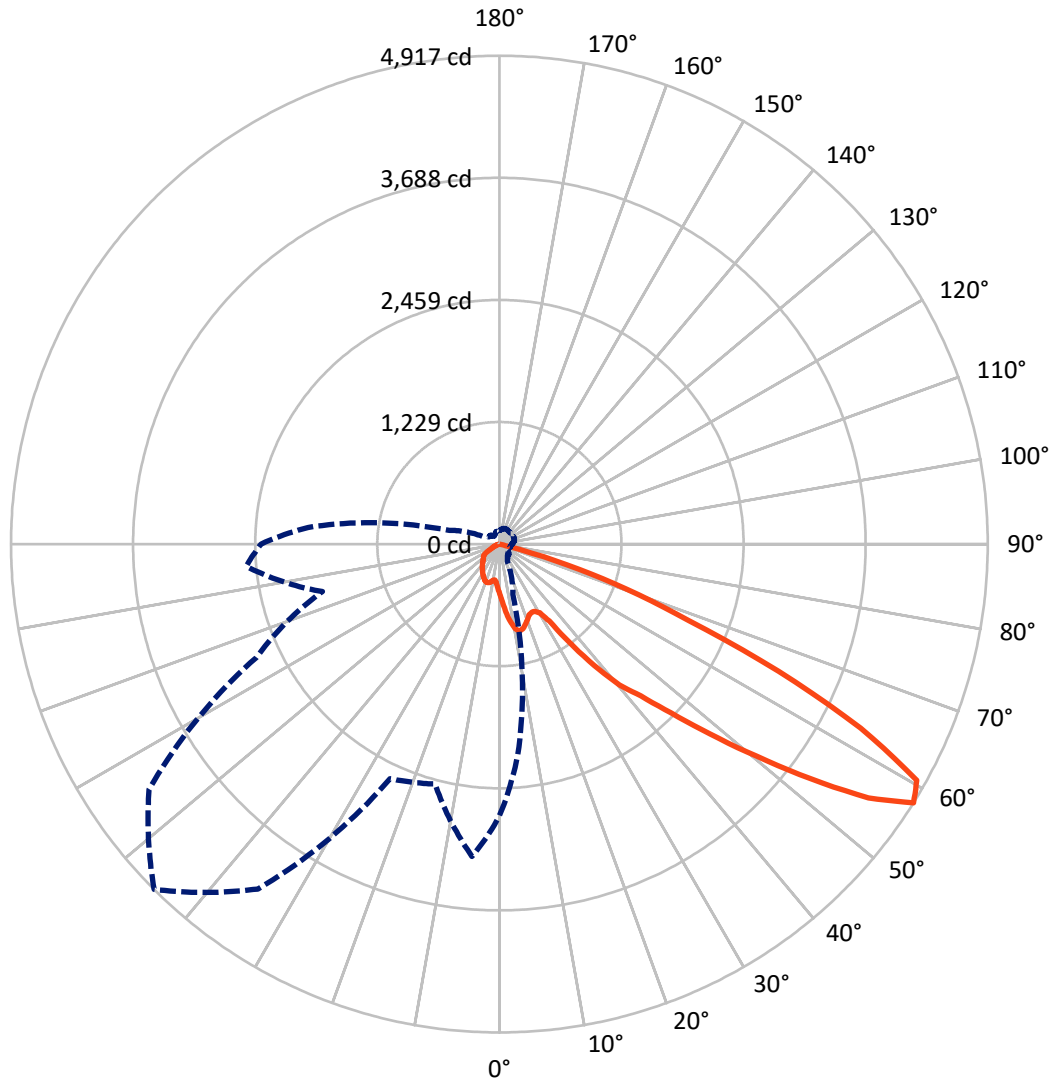
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 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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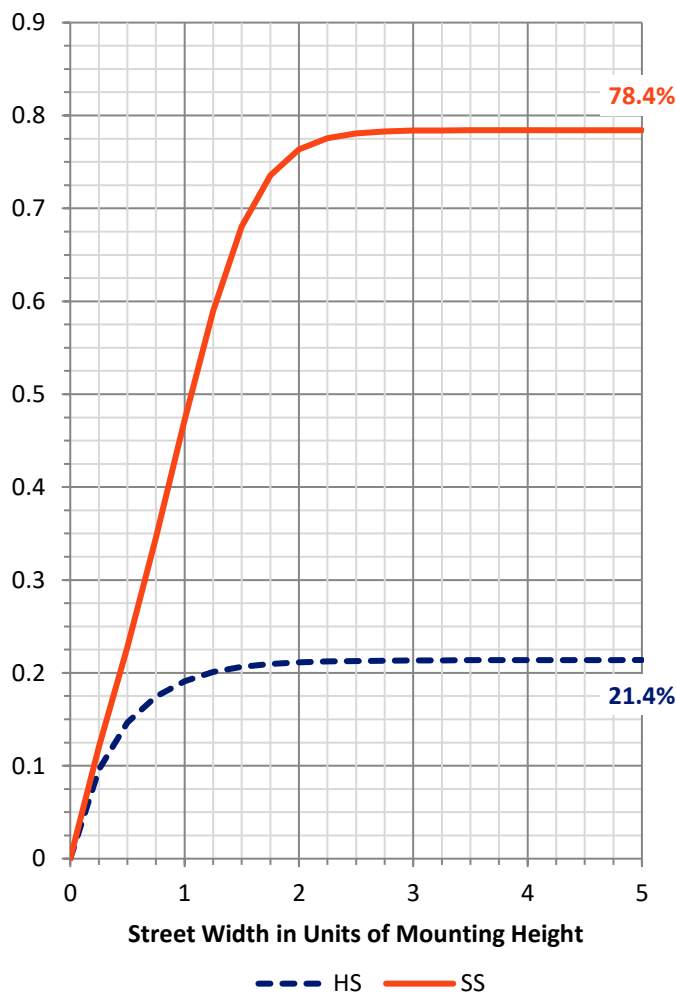
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	637.9	0.0	637.9
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2323.0	0.0	2323.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	2960.9	0.0	2960.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.7	1.7
10°-20°	163.6	5.5
20°-30°	265.5	9.0
30°-40°	407.5	13.8
40°-50°	650.9	22.0
50°-60°	911.3	30.8
60°-70°	467.3	15.8
70°-80°	45.0	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°	2960.9	100.0
0°-180°	2960.9	100.0

Coefficient of Utilization



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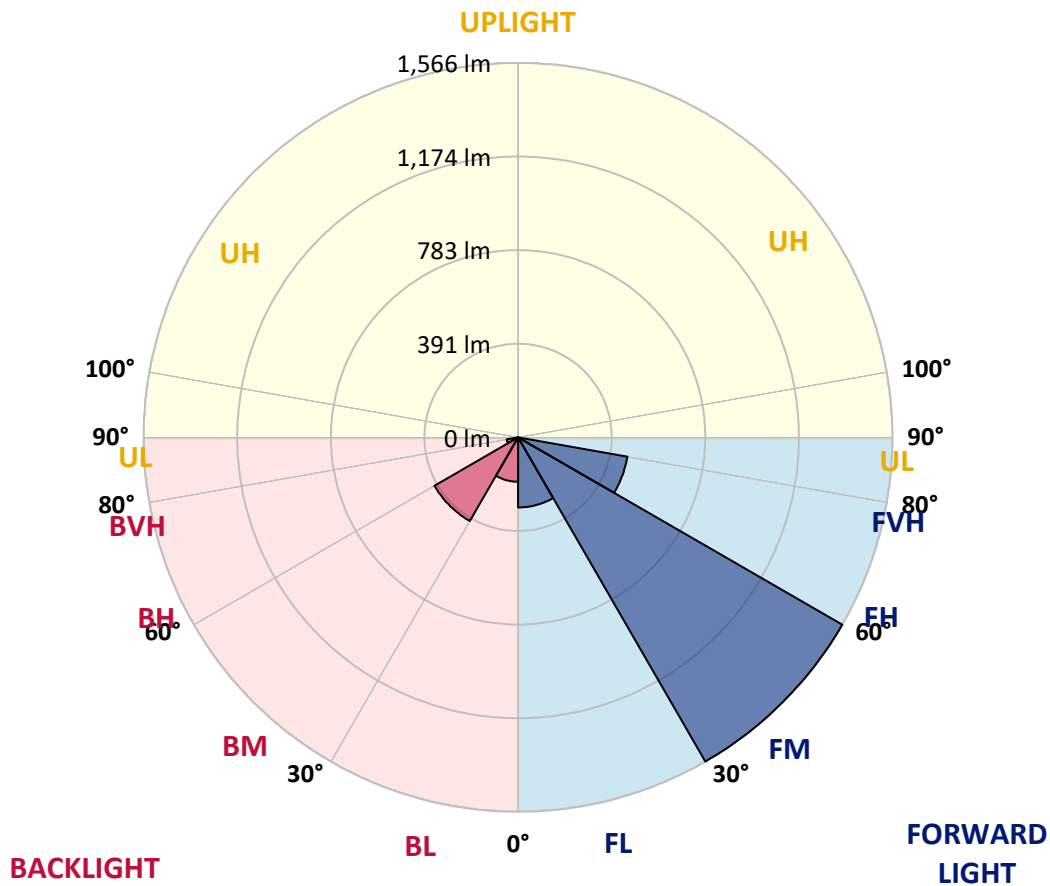
CATALOG NUMBER: GWS-SA1D-730-U-SLL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.1	9.9			
FM (30°-60°)	1565.8	52.9			
FH (60°-80°)	464.1	15.7			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	185.7	6.3	B1/500		
BM (30°-60°)	404.0	13.6	B1/1000		
BH (60°-80°)	48.2	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°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1
2.5°	558.9	557.7	553.8	540.3	532.0	518.9	509.4	497.2	483.7	475.4	467.1
5°	618.3	615.1	604.4	573.6	549.8	524.1	503.5	480.9	456.8	441.0	426.3
7.5°	675.3	670.5	656.3	604.0	568.0	531.2	501.9	469.1	435.0	411.3	393.1
10°	731.1	720.4	697.8	633.7	585.0	540.7	506.3	468.7	428.7	398.6	378.4
12.5°	777.0	769.1	738.2	661.8	599.3	542.7	500.3	465.5	438.6	418.4	399.8
15°	816.6	807.9	778.6	687.2	611.6	534.8	475.4	444.9	449.3	457.2	441.4
17.5°	853.0	843.9	812.2	708.1	616.3	515.4	440.6	425.9	450.1	479.7	473.8
20°	890.6	880.3	841.5	725.2	614.7	484.9	405.3	409.7	443.7	477.8	480.9
22.5°	934.6	923.9	878.7	746.9	613.5	448.5	374.9	395.4	431.9	460.7	466.3
25°	992.7	980.1	930.6	779.0	616.7	415.2	353.1	381.6	411.7	437.8	441.0
27.5°	1069.5	1053.3	990.4	818.6	623.4	389.1	343.6	362.6	385.9	409.3	412.1
30°	1169.7	1149.1	1058.8	853.0	620.3	370.9	337.2	343.6	357.4	376.4	376.8
32.5°	1286.8	1258.7	1135.6	882.7	593.0	357.4	328.5	324.2	327.4	342.0	344.8
35°	1424.6	1388.2	1220.3	910.8	543.1	331.3	312.7	298.1	296.9	304.0	310.7
37.5°	1582.5	1539.0	1327.2	946.8	484.1	304.0	289.4	274.7	268.4	271.9	282.2
40°	1728.2	1679.9	1438.8	990.4	423.9	279.5	262.0	247.0	239.5	240.7	253.3
42.5°	1899.2	1849.3	1575.4	1047.4	374.1	262.8	233.5	218.1	208.2	213.7	228.4
45°	2158.9	2102.3	1774.5	1096.8	334.5	258.9	208.6	186.8	182.1	191.6	209.0
47.5°	2513.5	2444.3	2048.0	1126.9	300.8	262.4	191.2	161.5	162.7	173.4	190.8
50°	2865.4	2790.6	2364.3	1087.3	273.1	255.3	182.5	141.7	149.2	158.7	174.6
52.5°	3107.3	3009.9	2518.3	973.0	247.8	228.4	181.7	123.1	137.4	140.5	154.0
55°	3116.8	2996.8	2439.5	767.1	213.4	192.8	173.4	107.7	124.3	125.5	137.0
57.5°	2732.0	2623.6	2131.9	526.9	189.6	141.3	138.1	94.2	102.1	112.0	119.1
60°	2078.5	1986.3	1594.4	241.5	144.1	89.9	94.6	81.1	76.4	91.0	98.2
62.5°	1273.0	1214.0	956.3	106.9	91.8	47.9	57.4	64.5	57.4	62.9	68.9
65°	505.5	479.4	363.0	45.5	37.6	24.1	26.1	37.6	40.4	44.3	49.9
67.5°	87.9	83.1	61.0	20.2	15.4	14.6	12.7	17.4	24.5	27.3	31.7
70°	11.5	11.1	9.9	8.3	7.9	7.1	5.5	11.1	16.6	17.4	20.2
72.5°	2.8	2.4	2.4	2.0	2.4	0.8	0.8	5.9	11.9	12.3	14.2
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	7.5	8.3	9.9
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°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1
2.5°	460.4	452.4	449.7	445.7	440.6	442.1	435.0	432.6	436.2	441.0	439.8
5°	418.4	409.7	403.7	394.6	393.1	389.5	387.1	384.0	387.9	393.5	394.6
7.5°	385.1	377.6	371.7	368.9	366.9	365.4	360.6	358.2	358.2	360.6	362.6
10°	370.9	365.4	364.2	365.0	368.1	367.7	363.4	360.2	356.2	354.3	356.6
12.5°	390.7	381.6	380.0	380.4	384.4	384.0	379.2	375.2	374.5	375.2	382.8
15°	424.3	410.5	400.2	398.2	400.2	399.4	395.8	393.5	394.6	406.1	418.8
17.5°	454.4	433.0	414.4	407.3	406.9	405.7	402.2	401.4	407.3	428.7	447.3
20°	463.1	442.1	415.6	406.5	404.5	403.4	399.4	400.6	408.1	433.8	449.7
22.5°	451.6	431.5	403.7	394.6	393.1	392.7	388.7	390.3	396.6	419.2	432.2
25°	429.9	412.9	384.0	376.0	376.0	375.2	371.7	372.5	376.4	396.2	408.9
27.5°	403.4	387.1	363.0	355.1	356.2	357.4	353.1	351.9	355.1	373.7	381.2
30°	372.9	361.4	342.4	335.3	334.9	339.6	333.7	332.1	336.5	351.1	352.7
32.5°	343.2	337.6	324.2	318.6	319.0	319.8	316.7	316.7	320.6	328.5	328.1
35°	314.3	310.7	308.4	304.4	304.0	302.4	302.4	303.2	307.6	310.3	305.2
37.5°	286.6	290.1	292.9	289.0	285.8	285.8	285.8	289.4	293.3	292.1	283.4
40°	262.0	269.6	278.3	273.9	266.4	266.0	267.6	273.5	279.5	272.3	264.4
42.5°	241.1	250.6	262.8	260.5	252.1	251.0	252.1	259.7	264.4	255.3	246.6
45°	220.5	232.4	247.0	247.0	237.9	236.7	237.1	247.0	249.8	239.1	228.0
47.5°	203.1	216.1	231.6	231.6	224.0	221.7	223.6	233.9	235.9	220.9	210.6
50°	186.4	200.7	217.7	216.5	211.4	209.4	213.0	224.0	221.7	205.0	194.4
52.5°	165.5	180.5	203.9	205.0	202.3	202.7	207.0	214.1	207.4	187.2	178.1
55°	146.5	161.9	185.2	191.6	191.6	191.2	193.2	198.7	193.2	169.0	157.9
57.5°	125.9	138.9	158.3	159.9	161.1	156.7	159.5	167.0	164.3	143.7	137.4
60°	103.3	114.4	125.5	126.7	121.5	112.4	117.6	126.3	128.2	112.8	105.7
62.5°	73.2	83.9	97.0	97.0	91.8	82.7	89.5	97.0	94.2	78.4	74.0
65°	54.6	64.5	74.4	78.8	74.4	68.1	73.2	78.8	74.4	61.4	55.0
67.5°	35.2	42.0	47.9	51.5	52.2	51.5	53.8	52.2	47.1	38.4	34.8
70°	21.4	24.9	28.1	31.3	33.6	34.8	36.0	32.5	27.3	22.6	21.4
72.5°	15.4	18.6	21.4	23.7	26.5	27.3	27.3	24.9	20.2	15.8	14.6
75°	10.7	13.5	15.8	17.4	19.8	20.6	20.6	18.6	15.0	11.5	10.3
77.5°	0.4	2.8	2.8	2.4	3.2	4.0	4.0	4.7	4.4	3.2	2.8
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°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1
2.5°	442.1	456.4	460.4	475.0	488.1	501.1	517.0	526.5	540.7	550.6	556.1
5°	398.6	410.5	424.7	446.5	469.1	494.0	524.1	550.2	583.1	607.2	615.1
7.5°	366.9	382.4	399.0	426.3	457.2	490.4	532.8	575.5	625.8	658.7	679.6
10°	361.0	376.8	399.0	425.9	458.4	496.4	548.2	603.6	666.6	706.6	730.3
12.5°	389.5	406.5	416.0	428.3	452.8	495.2	561.7	632.1	706.2	749.7	775.0
15°	431.5	446.5	431.1	415.6	431.5	482.5	569.2	655.9	741.0	791.3	817.4
17.5°	460.4	461.5	427.9	395.0	399.4	459.6	572.0	679.6	778.2	830.8	858.2
20°	457.6	448.1	414.0	377.6	364.2	429.9	568.8	700.6	815.8	870.8	897.7
22.5°	436.2	425.1	396.2	360.6	334.5	394.6	563.3	719.6	850.2	912.8	938.1
25°	410.5	398.6	374.9	343.6	315.5	360.6	558.9	745.7	893.8	967.4	987.2
27.5°	380.4	370.1	349.9	327.4	307.6	334.9	557.7	780.2	946.4	1033.9	1047.8
30°	351.1	341.6	325.8	312.7	304.4	319.8	553.8	817.0	1009.4	1110.3	1125.3
32.5°	323.0	313.5	303.6	301.6	302.0	314.3	540.3	853.4	1084.2	1221.1	1232.2
35°	298.9	287.8	283.8	288.6	297.3	304.8	502.3	883.5	1164.5	1341.9	1351.0
37.5°	275.9	264.8	264.4	275.9	285.4	290.1	457.6	913.2	1273.0	1464.6	1476.1
40°	254.9	243.8	247.8	261.6	269.2	271.5	403.4	958.3	1387.8	1594.0	1587.7
42.5°	237.1	225.6	228.0	245.8	252.5	258.9	353.5	995.9	1498.2	1716.7	1714.7
45°	219.7	211.0	209.4	228.8	234.7	260.1	317.1	1024.8	1640.3	1873.1	1876.2
47.5°	202.7	195.9	196.3	204.6	219.3	266.0	286.2	1043.8	1846.6	2120.9	2065.8
50°	187.2	182.1	186.4	176.9	209.4	258.5	259.7	1039.8	2076.9	2358.4	2247.9
52.5°	170.2	169.0	171.0	148.0	193.6	228.0	234.7	987.2	2185.0	2520.6	2457.7
55°	152.8	152.4	136.6	118.4	161.9	182.1	201.1	823.7	2181.4	2606.9	2683.3
57.5°	132.2	129.0	103.7	96.6	125.9	126.7	183.3	539.5	1933.2	2400.3	2558.6
60°	100.1	97.8	76.0	78.4	87.9	81.1	146.1	268.8	1444.8	1869.9	2048.4
62.5°	69.3	66.1	56.6	60.6	56.6	46.3	89.5	133.0	875.2	1180.8	1342.7
65°	50.7	47.1	38.8	33.2	26.5	26.5	34.0	51.1	338.8	501.9	605.2
67.5°	31.3	29.7	23.0	16.6	16.2	17.4	17.8	25.3	54.6	87.1	106.5
70°	20.2	18.6	15.4	10.7	9.9	10.3	10.7	11.9	13.9	15.0	18.2
72.5°	13.9	13.1	11.1	5.9	4.7	5.1	5.5	5.5	6.7	6.3	7.5
75°	9.9	9.1	7.9	2.8	1.6	2.0	2.4	2.0	2.4	1.6	2.0
77.5°	2.8	2.8	2.0	0.4	0.0	0.4	0.8	0.8	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°	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1	503.1
2.5°	570.4	579.5	583.1	577.9	582.3	575.1	572.4	561.7	560.9	558.9
5°	647.2	667.8	680.0	687.6	678.8	669.3	655.1	630.6	623.0	618.3
7.5°	722.8	754.8	775.8	785.7	783.3	764.0	738.2	697.1	682.4	675.3
10°	788.5	827.7	853.0	865.3	860.1	843.1	806.3	754.8	735.5	731.1
12.5°	834.4	870.4	887.8	898.5	898.9	892.2	857.4	805.5	782.6	777.0
15°	863.3	878.7	879.1	885.5	896.6	911.6	895.4	849.5	824.9	816.6
17.5°	881.5	864.5	847.1	848.7	866.9	906.8	923.5	888.2	862.1	853.0
20°	894.6	840.7	808.3	808.7	827.3	887.8	942.9	925.8	898.9	890.6
22.5°	902.9	819.8	773.5	772.3	792.1	865.3	960.7	970.6	944.1	934.6
25°	919.9	809.9	752.5	759.2	776.6	858.2	984.8	1030.0	1005.4	992.7
27.5°	950.4	819.8	750.5	765.9	785.7	879.1	1026.8	1109.1	1083.8	1069.5
30°	1003.0	857.0	781.0	802.3	826.1	934.2	1097.2	1219.6	1183.1	1169.7
32.5°	1087.7	934.2	875.2	921.1	944.1	1024.4	1202.9	1343.4	1313.8	1286.8
35°	1204.5	1110.3	1103.6	1210.5	1204.9	1195.4	1332.8	1495.4	1450.7	1424.6
37.5°	1365.2	1393.7	1443.6	1549.7	1546.1	1473.7	1503.4	1639.1	1616.2	1582.5
40°	1565.9	1626.5	1711.2	1863.2	1815.7	1724.6	1712.8	1786.4	1767.8	1728.2
42.5°	1684.3	1788.8	1950.3	2086.8	2048.8	1889.7	1876.2	1983.1	1942.3	1899.2
45°	1739.3	1921.0	2237.6	2422.5	2307.3	1999.3	1994.2	2239.6	2216.7	2158.9
47.5°	1764.6	2054.4	2574.1	2853.9	2638.6	2095.5	2076.9	2611.7	2581.6	2513.5
50°	1792.7	2238.4	2979.4	3353.9	3038.8	2204.4	2217.8	2958.4	2945.8	2865.4
52.5°	1854.5	2433.2	3478.6	3925.5	3524.1	2375.0	2459.7	3285.4	3199.9	3107.3
55°	1947.1	2645.3	3997.9	4509.3	4019.3	2604.2	2721.3	3459.2	3219.3	3116.8
57.5°	1844.6	2698.4	4305.5	4917.0	4239.0	2605.0	2500.1	3157.9	2831.4	2732.0
60°	1463.8	2510.4	4187.1	4828.7	4051.7	2313.2	1914.2	2465.6	2145.0	2078.5
62.5°	989.6	2105.4	3686.0	4083.8	3467.9	1819.6	1244.1	1603.5	1328.0	1273.0
65°	542.3	1570.7	2978.2	3089.5	2714.2	1271.0	640.1	695.9	530.0	505.5
67.5°	149.6	1093.3	2191.3	2049.6	1904.3	827.7	165.5	124.3	88.7	87.9
70°	37.6	723.2	1313.0	1353.3	1167.7	530.0	31.7	15.0	11.9	11.5
72.5°	15.8	311.1	623.0	716.1	597.7	245.4	11.5	4.4	3.6	2.8
75°	2.0	24.9	53.0	80.4	55.0	26.5	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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