

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: P633093

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633093
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-SA2E-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5733.8 lumens
Efficiency: N/A
Efficacy: 53.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

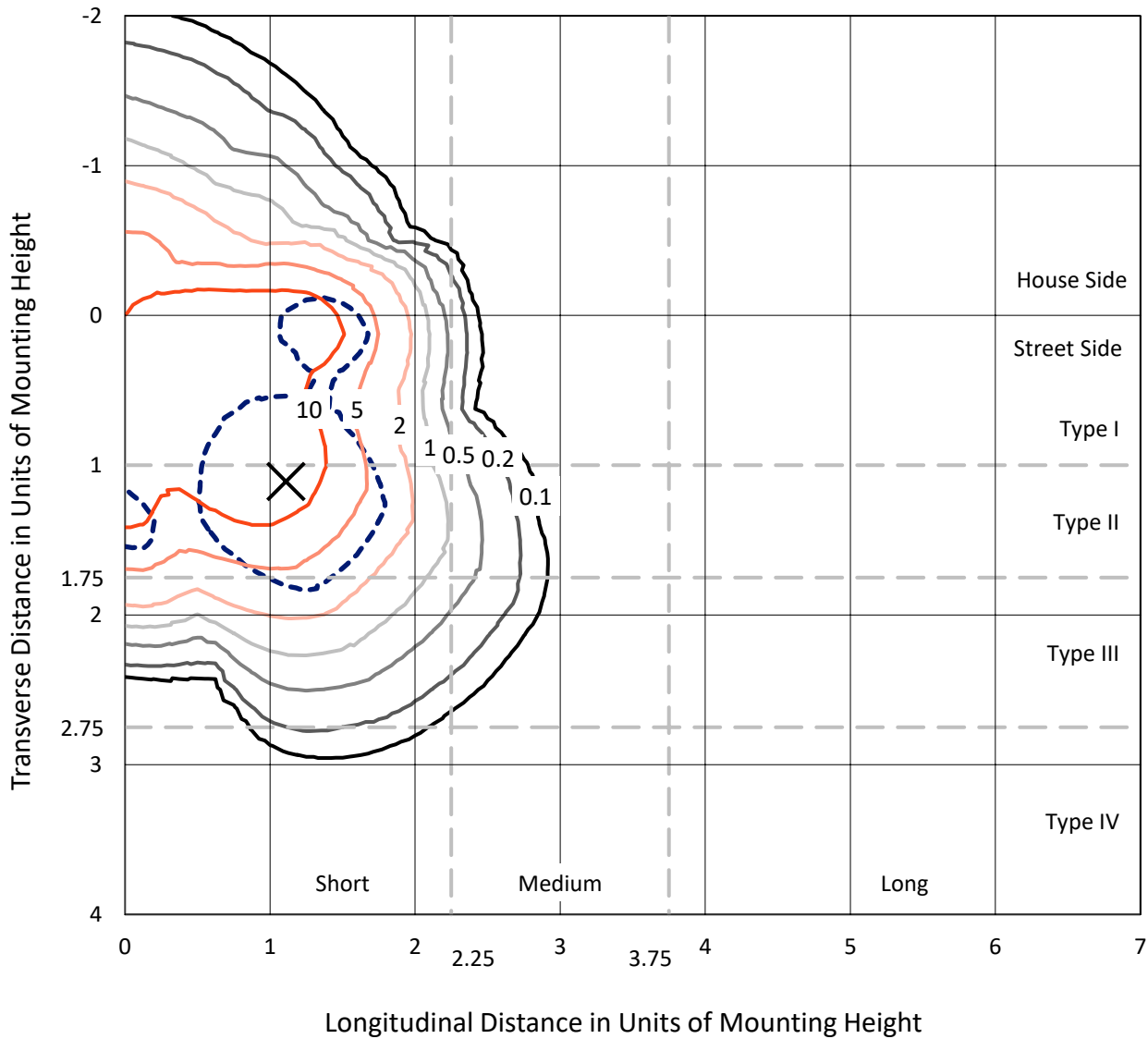
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

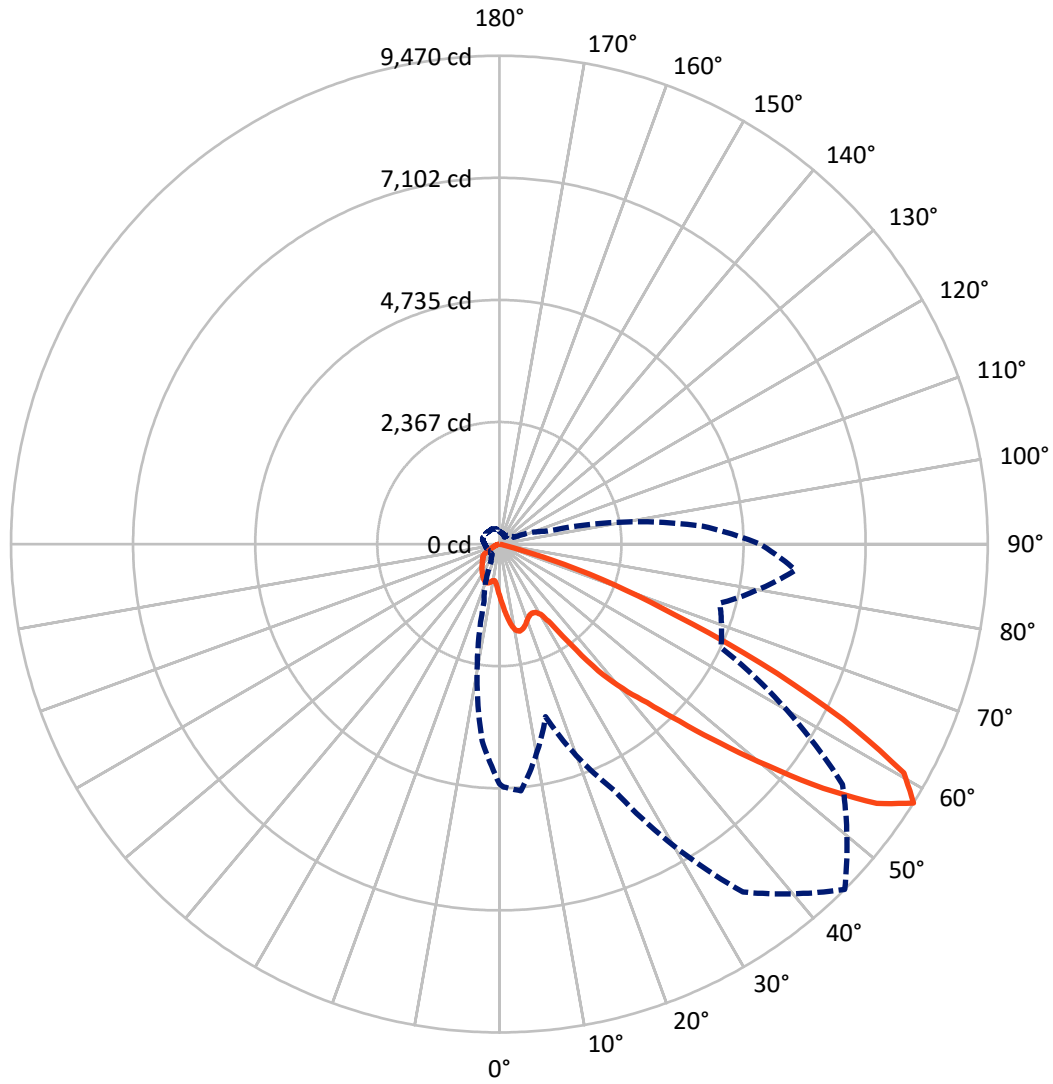
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18 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	1284.0	0.0	1284.0
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	4449.9	0.0	4449.9
	% Fixture	77.6	0.0	77.6
Total	Lumens	5733.8	0.0	5733.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.1	1.7
10°-20°	320.7	5.6
20°-30°	521.0	9.1
30°-40°	805.0	14.0
40°-50°	1290.8	22.5
50°-60°	1764.2	30.8
60°-70°	854.5	14.9
70°-80°	78.2	1.4
80°-90°	0.2	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°	5733.8	100.0
0°-180°	5733.8	100.0

Coefficient of Utilization



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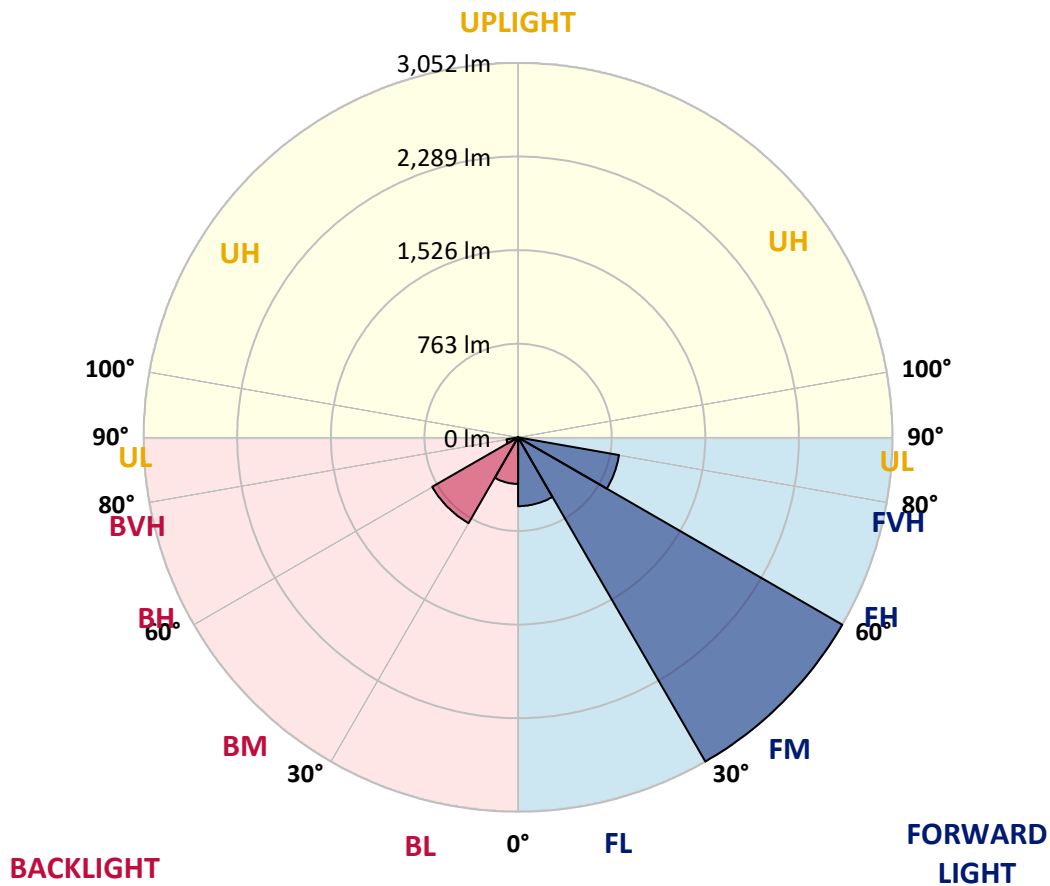
CATALOG NUMBER: GWS-SA2E-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	560.9	9.8			
FM (30°-60°)	3052.2	53.2			
FH (60°-80°)	836.4	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	379.9	6.6	B1/500		
BM (30°-60°)	807.8	14.1	B1/1000		
BH (60°-80°)	96.2	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-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8
2.5°	1091.8	1098.7	1110.2	1134.9	1155.7	1169.6	1175.7	1174.2	1165.7	1159.6	1147.2
5°	1208.9	1208.9	1231.2	1287.5	1330.6	1357.6	1371.4	1363.0	1346.0	1319.0	1277.4
7.5°	1311.3	1315.2	1352.9	1433.1	1498.6	1537.1	1559.4	1554.8	1524.8	1473.1	1389.9
10°	1391.5	1396.1	1446.2	1544.0	1621.1	1660.4	1693.5	1696.6	1663.4	1594.9	1499.3
12.5°	1469.3	1473.9	1526.3	1620.3	1688.1	1704.3	1733.6	1745.1	1736.6	1688.1	1588.7
15°	1553.3	1564.1	1608.7	1678.9	1707.4	1688.1	1707.4	1728.2	1756.7	1752.1	1662.7
17.5°	1635.7	1643.4	1688.9	1713.5	1681.9	1631.9	1641.1	1665.8	1730.5	1793.7	1735.9
20°	1712.0	1722.8	1760.5	1728.2	1632.6	1554.8	1555.6	1587.9	1686.6	1819.1	1810.6
22.5°	1792.1	1808.3	1835.3	1744.3	1587.2	1493.9	1497.8	1527.1	1651.9	1843.0	1895.4
25°	1896.9	1912.3	1930.0	1784.4	1572.5	1463.9	1478.5	1505.5	1651.9	1883.8	2000.1
27.5°	2038.7	2049.5	2050.2	1859.1	1598.0	1468.5	1499.3	1530.2	1701.2	1965.5	2140.4
30°	2216.6	2233.6	2211.3	1975.5	1677.3	1530.2	1575.6	1614.1	1807.5	2103.4	2346.9
32.5°	2433.1	2457.0	2427.0	2148.1	1843.0	1742.8	1825.2	1847.6	1977.0	2302.9	2581.1
35°	2687.4	2707.4	2675.1	2386.9	2229.7	2248.2	2397.7	2369.2	2317.6	2548.7	2854.6
37.5°	2966.3	2984.8	2922.4	2749.0	2801.4	2881.6	3120.4	3022.6	2856.1	2865.4	3151.2
40°	3222.1	3242.1	3144.3	3142.8	3250.6	3397.0	3685.2	3550.3	3323.8	3279.9	3429.4
42.5°	3487.2	3501.0	3412.4	3352.3	3597.3	3898.6	4203.7	4021.9	3633.5	3585.8	3777.6
45°	3865.5	3894.7	3736.8	3455.6	3909.4	4475.7	4901.0	4545.8	3844.7	3806.1	4310.8
47.5°	4421.7	4443.3	4121.3	3520.3	4199.8	5194.5	5772.4	5225.3	4030.3	3942.5	5039.7
50°	4881.7	4896.3	4474.9	3591.2	4508.8	5969.6	6765.5	6031.3	4239.1	4168.3	5720.0
52.5°	5220.7	5276.2	4939.5	3736.8	4914.8	6881.1	7865.0	6985.9	4565.0	4604.3	6284.0
55°	5290.8	5366.3	5256.9	3826.2	5272.3	7809.5	8880.5	7840.3	4890.2	4934.9	6473.5
57.5°	4649.8	4709.9	4800.8	3465.6	5263.9	8234.8	9469.9	8123.9	4742.3	4425.6	5763.9
60°	3483.3	3524.9	3689.8	2648.9	4840.9	7858.8	9010.7	7641.5	4146.7	3377.0	4391.7
62.5°	2065.6	2084.1	2292.9	1715.8	4018.0	6767.8	7472.8	6593.7	3276.8	2271.4	2689.7
65°	792.8	785.1	944.6	846.7	2954.8	5391.0	5558.2	5026.6	2248.2	1040.9	1025.5
67.5°	122.5	117.1	157.9	250.4	2131.1	3736.0	3667.4	3622.8	1408.4	242.7	211.9
70°	27.7	27.7	33.9	74.0	1302.1	2195.1	2349.2	2239.8	901.5	51.6	27.7
72.5°	13.1	13.1	16.2	31.6	471.5	904.5	1054.0	1037.8	292.8	17.0	10.0
75°	4.6	5.4	5.4	6.9	28.5	47.0	107.9	77.0	18.5	0.0	0.0
77.5°	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.8	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°	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8
2.5°	1120.3	1114.9	1094.8	1067.9	1041.7	1018.6	994.7	966.2	945.4	921.5	913.8
5°	1245.1	1211.2	1156.5	1099.5	1047.1	1002.4	959.2	913.0	879.1	845.2	833.7
7.5°	1350.6	1300.6	1212.0	1126.4	1054.8	991.6	929.2	866.0	816.7	776.6	764.3
10°	1445.4	1387.6	1269.0	1163.4	1073.3	1000.1	924.6	845.2	781.3	733.5	721.9
12.5°	1527.1	1460.0	1317.5	1191.1	1081.0	997.0	923.8	860.6	802.8	748.1	733.5
15°	1595.6	1521.7	1358.3	1209.6	1069.4	958.5	894.5	884.5	879.9	819.8	791.3
17.5°	1662.7	1579.5	1391.5	1218.1	1037.1	890.7	844.4	889.9	938.4	899.1	862.9
20°	1732.8	1638.0	1425.4	1219.7	983.1	814.4	806.7	878.3	940.0	927.6	893.7
22.5°	1815.2	1711.2	1467.7	1218.9	915.3	749.7	778.9	856.0	906.1	905.3	878.3
25°	1934.7	1803.7	1524.8	1223.5	841.4	699.6	748.1	818.2	859.1	857.5	835.2
27.5°	2062.6	1913.9	1598.7	1235.1	778.2	670.3	711.9	766.6	802.1	800.5	781.3
30°	2242.1	2041.0	1669.6	1235.8	732.7	654.9	671.9	709.6	743.5	739.7	725.0
32.5°	2460.1	2184.3	1728.9	1191.9	704.2	640.3	630.2	649.5	675.7	670.3	666.5
35°	2723.6	2354.6	1779.8	1095.6	660.3	611.0	584.0	587.9	606.4	609.4	607.9
37.5°	3024.1	2557.2	1843.0	968.5	601.0	568.6	532.4	529.3	540.1	550.1	557.8
40°	3320.7	2785.3	1928.5	839.8	547.0	514.7	480.0	472.3	476.9	494.6	510.8
42.5°	3654.3	3049.5	2020.9	729.6	510.1	455.3	422.2	407.6	420.7	449.2	468.4
45°	4135.1	3420.1	2111.1	641.8	494.6	403.0	358.3	356.7	371.4	408.3	429.9
47.5°	4810.1	3899.4	2170.4	573.2	493.9	362.1	309.0	318.2	335.2	371.4	396.0
50°	5468.0	4499.6	2104.9	520.8	477.7	335.2	272.0	290.5	307.4	339.0	364.4
52.5°	5864.8	4822.4	1849.9	471.5	427.6	322.8	235.8	268.1	271.2	299.7	326.7
55°	5823.2	4613.6	1416.9	395.3	353.6	305.1	198.0	241.9	243.5	265.0	288.2
57.5°	5054.3	3961.0	973.1	320.5	265.8	251.9	163.3	204.2	218.8	231.9	248.9
60°	3766.8	2890.0	433.8	260.4	168.7	170.3	139.5	154.1	176.4	191.8	206.5
62.5°	2219.7	1662.7	176.4	156.4	93.2	107.1	112.5	112.5	126.4	137.9	147.2
65°	839.0	581.7	71.7	78.6	48.5	50.1	66.3	81.7	92.5	102.5	114.8
67.5°	147.2	101.7	37.0	29.3	28.5	25.4	33.9	53.2	59.3	67.0	72.4
70°	24.7	20.8	15.4	14.6	13.1	13.9	22.3	37.8	41.6	43.9	46.2
72.5°	6.9	6.2	4.6	3.9	3.1	3.9	13.9	29.3	30.8	32.4	34.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	5.4	20.8	22.3	23.1	25.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	6.2	7.7	6.2
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°	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8
2.5°	909.2	893.7	885.3	880.6	880.6	874.5	867.6	865.2	875.3	875.3	892.2
5°	819.0	806.7	792.8	784.3	771.2	773.6	765.8	765.1	775.1	779.7	797.4
7.5°	756.6	741.2	732.7	727.3	720.4	717.3	710.4	708.1	713.5	721.2	738.1
10°	715.0	712.7	711.9	715.8	715.8	711.9	705.8	701.9	703.4	718.1	737.3
12.5°	725.8	730.4	731.9	738.1	741.2	738.1	733.5	735.0	745.0	772.0	800.5
15°	772.8	768.9	767.4	770.5	772.8	769.7	768.2	779.7	814.4	852.9	885.3
17.5°	822.9	798.2	787.4	787.4	789.0	787.4	789.0	811.3	867.6	906.1	930.0
20°	848.3	802.8	785.9	782.0	785.1	785.9	791.3	816.7	878.3	905.3	910.7
22.5°	840.6	783.6	764.3	761.2	764.3	767.4	772.8	794.4	852.1	866.0	863.7
25°	802.1	745.8	730.4	730.4	737.3	736.6	738.9	754.3	802.1	810.5	806.7
27.5°	753.5	700.4	687.3	695.0	701.1	699.6	700.4	713.5	748.9	751.2	747.4
30°	704.2	658.0	645.7	654.9	663.4	661.8	662.6	675.7	698.0	695.7	690.3
32.5°	654.1	620.2	611.0	616.4	629.5	627.9	631.0	644.9	653.4	643.3	637.2
35°	607.9	590.2	583.2	586.3	596.3	598.7	604.0	613.3	613.3	601.0	590.2
37.5°	564.8	562.4	557.8	554.0	563.2	570.1	577.9	588.6	573.2	555.5	545.5
40°	524.7	534.7	528.5	518.5	523.9	533.9	549.3	557.8	539.3	521.6	504.7
42.5°	487.7	504.7	502.3	490.0	494.6	503.9	521.6	528.5	507.0	486.9	470.8
45°	452.3	476.2	477.7	462.3	466.9	476.2	497.0	499.3	471.5	450.0	438.4
47.5°	421.4	447.6	448.4	436.9	438.4	451.5	470.8	471.5	439.9	419.9	405.3
50°	392.2	422.2	424.5	414.5	416.1	431.5	447.6	444.6	410.7	389.9	376.8
52.5°	356.7	397.6	403.0	398.3	404.5	416.8	426.8	416.1	376.8	356.0	344.4
55°	318.2	371.4	382.9	379.8	386.8	396.8	399.1	392.2	342.9	322.1	311.3
57.5°	273.5	305.9	325.9	319.7	325.1	335.2	342.1	336.7	299.7	283.5	274.3
60°	226.5	248.1	252.7	242.7	238.1	255.8	272.0	265.0	233.5	223.4	212.7
62.5°	165.7	190.3	193.4	180.3	174.9	194.2	208.0	201.1	166.4	155.6	147.2
65°	132.5	155.6	161.8	149.5	146.4	161.0	169.5	152.6	127.9	116.3	107.1
67.5°	87.1	105.6	121.7	121.0	114.8	119.4	113.3	99.4	81.7	75.5	69.3
70°	53.9	64.7	74.7	78.6	77.8	76.3	67.8	57.8	52.4	50.1	47.0
72.5°	41.6	52.4	60.1	62.4	63.2	60.9	53.9	44.7	39.3	36.2	33.9
75°	30.8	39.3	45.5	48.5	50.1	48.5	41.6	35.4	30.0	27.7	25.4
77.5°	10.8	13.1	16.2	17.7	17.0	16.2	14.6	14.6	11.6	10.8	9.2
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°	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8
2.5°	911.5	925.3	950.8	973.9	998.5	1024.0	1051.7	1080.2	1093.3	1091.8
5°	824.4	854.5	896.1	941.5	992.4	1047.1	1107.9	1170.3	1197.3	1208.9
7.5°	769.7	812.1	866.8	924.6	991.6	1069.4	1161.1	1259.0	1298.2	1311.3
10°	776.6	825.9	871.4	927.6	999.3	1100.2	1214.3	1330.6	1376.8	1391.5
12.5°	832.9	843.7	856.0	902.2	992.4	1123.3	1262.8	1401.5	1454.7	1469.3
15°	883.7	833.7	810.5	852.9	967.7	1139.5	1312.1	1477.8	1536.3	1553.3
17.5°	886.0	810.5	758.9	792.0	927.6	1146.5	1360.7	1555.6	1619.5	1635.7
20°	857.5	785.1	718.9	719.6	872.9	1144.9	1400.7	1625.7	1697.3	1712.0
22.5°	815.9	755.1	686.5	662.6	814.4	1141.8	1444.6	1700.4	1778.2	1792.1
25°	769.7	716.5	655.7	619.5	755.8	1144.9	1506.3	1798.3	1883.8	1896.9
27.5°	719.6	674.2	631.8	602.5	706.5	1156.5	1580.2	1923.1	2024.8	2038.7
30°	667.2	633.3	616.4	598.7	675.7	1159.6	1660.4	2068.7	2197.4	2216.6
32.5°	615.6	597.1	597.9	601.0	646.4	1138.0	1733.6	2230.5	2402.3	2433.1
35°	567.8	562.4	577.9	593.3	604.0	1082.5	1797.5	2421.6	2655.8	2687.4
37.5°	527.0	531.6	550.9	566.3	557.8	1003.9	1882.3	2660.4	2939.3	2966.3
40°	487.7	499.3	521.6	528.5	522.4	912.2	1984.0	2890.8	3185.1	3222.1
42.5°	451.5	460.0	491.6	493.1	512.4	819.0	2081.8	3138.9	3467.9	3487.2
45°	422.2	420.7	453.0	463.1	525.5	715.8	2177.4	3469.4	3837.7	3865.5
47.5°	393.7	392.2	399.9	445.3	530.9	620.2	2272.1	3953.3	4374.0	4421.7
50°	366.7	369.1	345.2	436.9	501.6	547.0	2315.3	4400.9	4861.7	4881.7
52.5°	342.9	334.4	292.8	409.1	439.2	477.7	2192.8	4604.3	5163.7	5220.7
55°	309.0	262.0	241.2	332.1	346.7	416.8	1796.0	4486.5	5189.9	5290.8
57.5°	264.3	205.7	204.9	245.0	245.0	386.8	1150.3	3833.1	4472.6	4649.8
60°	203.4	159.5	169.5	170.3	157.2	282.0	645.7	2776.8	3306.9	3483.3
62.5°	144.8	121.7	127.9	101.7	90.1	141.0	309.7	1598.7	2041.0	2065.6
65°	97.1	82.4	67.0	56.2	55.5	60.1	127.9	577.9	702.7	792.8
67.5°	63.9	50.1	35.4	35.4	40.1	40.1	48.5	95.5	134.1	122.5
70°	41.6	34.7	22.3	21.6	26.2	26.2	24.7	26.2	27.7	27.7
72.5°	30.8	26.2	13.1	11.6	14.6	15.4	13.9	13.1	13.1	13.1
75°	23.1	18.5	7.7	5.4	6.9	9.2	7.7	5.4	5.4	4.6
77.5°	9.2	6.9	3.1	2.3	3.9	5.4	4.6	2.3	1.5	1.5
80°	0.8	1.5	1.5	1.5	2.3	3.1	3.9	1.5	0.8	0.8
82.5°	0.0	0.8	0.8	0.8	1.5	2.3	3.1	1.5	0.8	0.8
85°	0.0	0.0	0.0	0.0	1.5	2.3	1.5	0.8	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.8	2.3	1.5	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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