

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: P634578

Luminaire Tested: GWS-SA3C-722-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634578
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-SA3C-722-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5481.7 lumens
Efficiency: N/A
Efficacy: 58.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

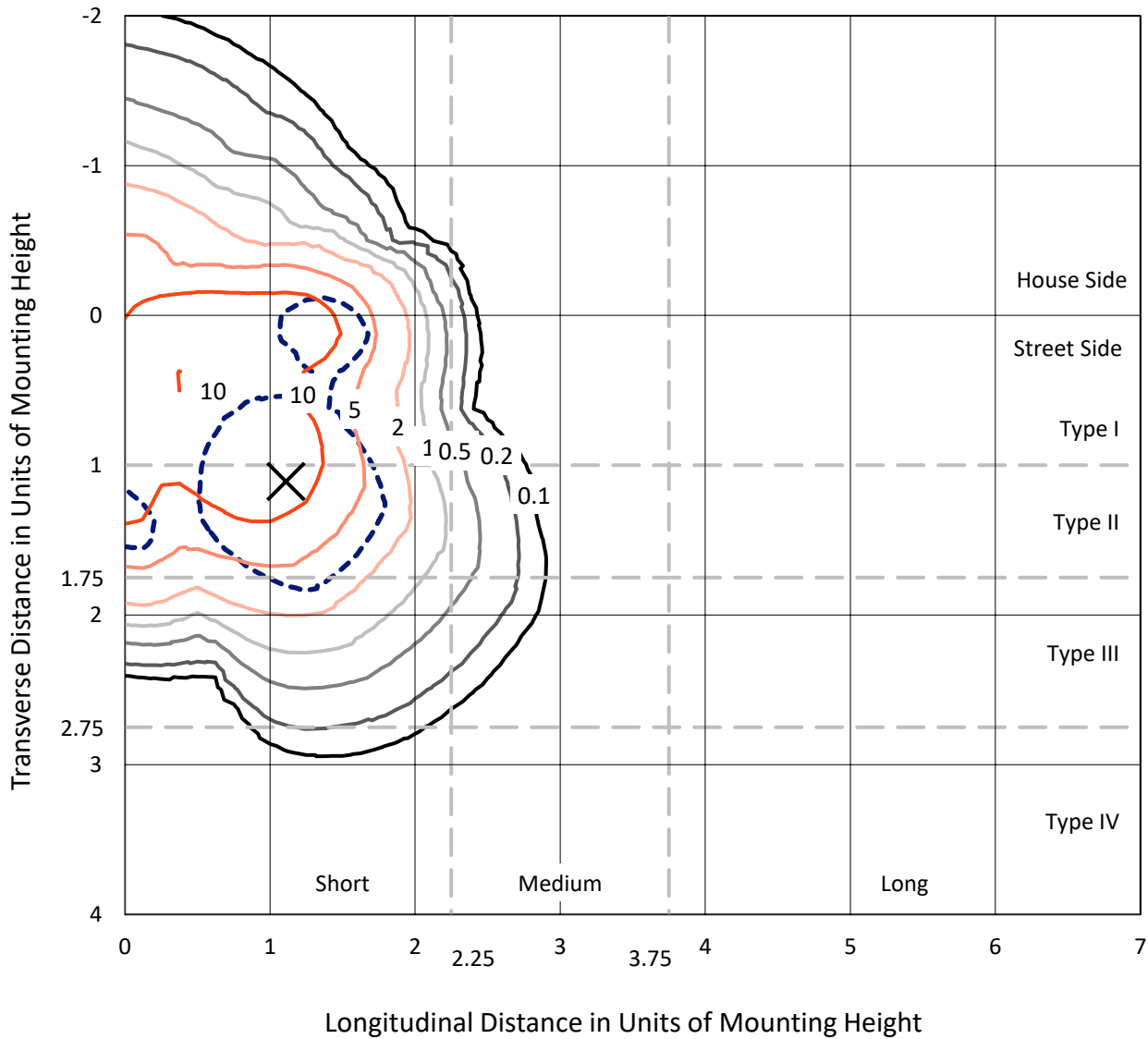
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

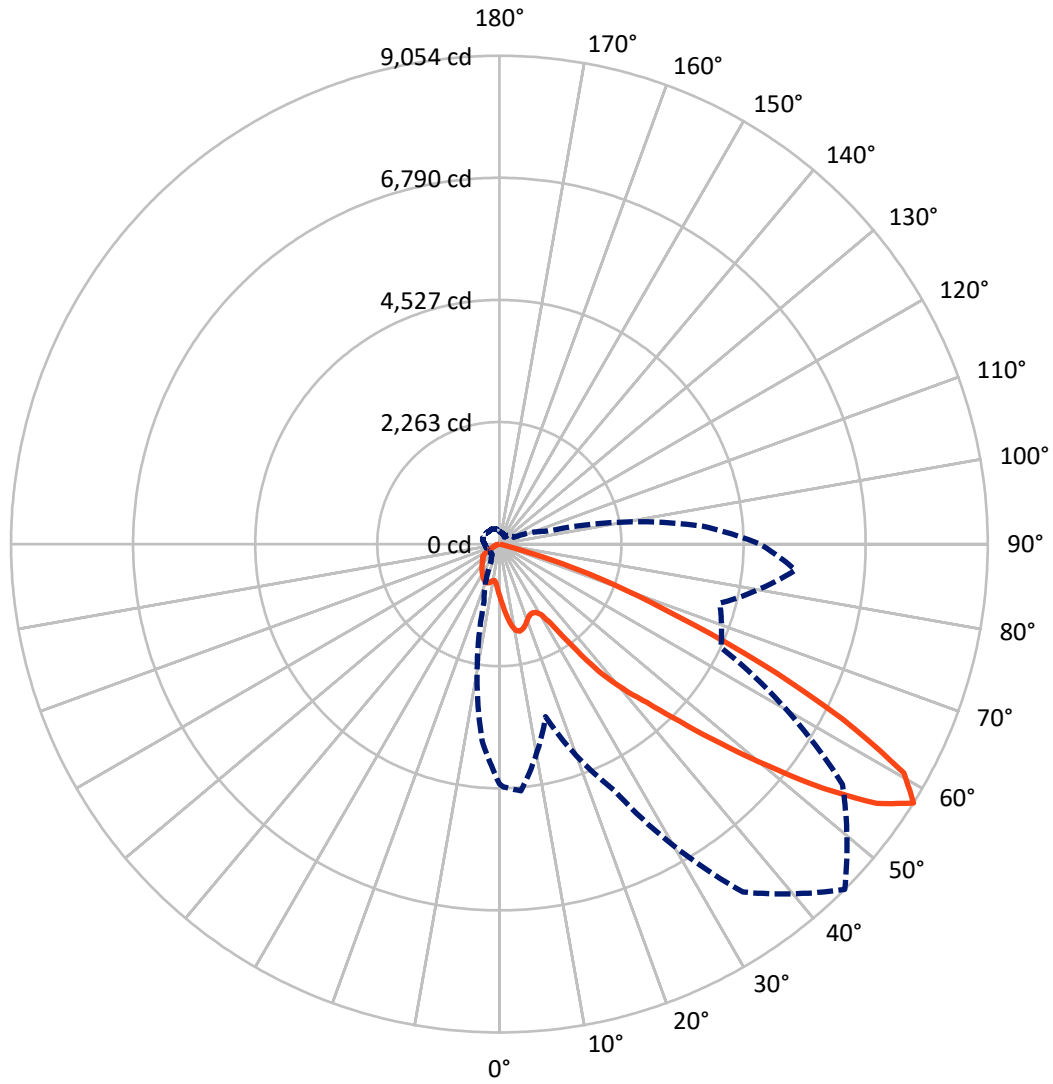
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.2 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	1227.5	0.0	1227.5
	% Fixture	22.4	0.0	22.4
Street Side	Lumens	4254.2	0.0	4254.2
	% Fixture	77.6	0.0	77.6
Total	Lumens	5481.7	0.0	5481.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	1.7
10°-20°	306.6	5.6
20°-30°	498.1	9.1
30°-40°	769.6	14.0
40°-50°	1234.1	22.5
50°-60°	1686.6	30.8
60°-70°	816.9	14.9
70°-80°	74.8	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°	5481.7	100.0
0°-180°	5481.7	100.0

Coefficient of Utilization



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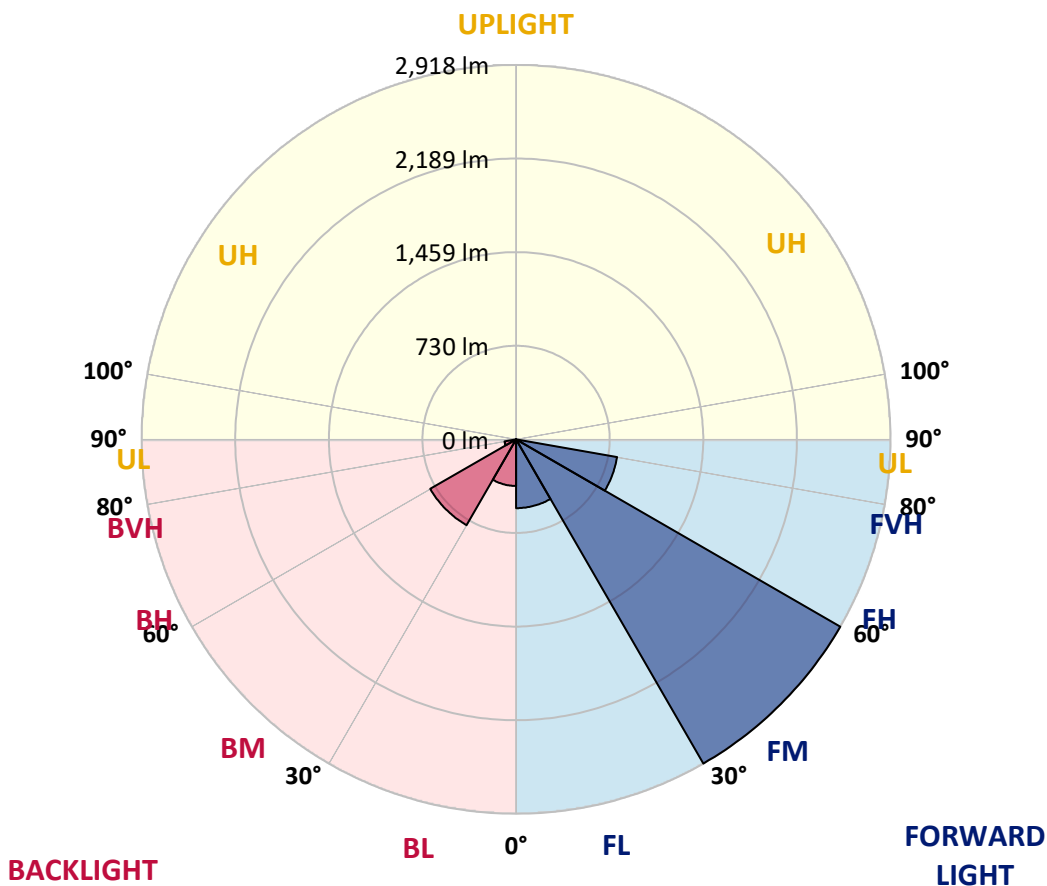
CATALOG NUMBER: GWS-SA3C-722-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	536.3	9.8			
FM (30°-60°)	2918.0	53.2			
FH (60°-80°)	799.7	14.6			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	363.2	6.6	B1/500		
BM (30°-60°)	772.3	14.1	B1/1000		
BH (60°-80°)	92.0	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°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1043.8	1050.4	1061.4	1085.0	1104.9	1118.2	1124.0	1122.6	1114.5	1108.6	1096.8
5°	1155.7	1155.7	1177.1	1230.9	1272.1	1297.9	1311.1	1303.0	1286.8	1261.1	1221.3
7.5°	1253.7	1257.4	1293.5	1370.1	1432.7	1469.5	1490.9	1486.5	1457.7	1408.4	1328.8
10°	1330.3	1334.7	1382.6	1476.1	1549.8	1587.4	1619.0	1622.0	1590.3	1524.8	1433.4
12.5°	1404.7	1409.1	1459.2	1549.1	1613.9	1629.4	1657.3	1668.4	1660.3	1613.9	1518.9
15°	1485.0	1495.3	1538.0	1605.0	1632.3	1613.9	1632.3	1652.2	1679.4	1675.0	1589.6
17.5°	1563.8	1571.2	1614.6	1638.2	1608.0	1560.1	1568.9	1592.5	1654.4	1714.8	1659.6
20°	1636.7	1647.0	1683.1	1652.2	1560.8	1486.5	1487.2	1518.1	1612.4	1739.1	1731.0
22.5°	1713.3	1728.8	1754.6	1667.7	1517.4	1428.3	1431.9	1459.9	1579.3	1761.9	1812.0
25°	1813.5	1828.2	1845.2	1706.0	1503.4	1399.5	1413.5	1439.3	1579.3	1801.0	1912.2
27.5°	1949.0	1959.3	1960.1	1777.4	1527.7	1404.0	1433.4	1462.9	1626.4	1879.1	2046.3
30°	2119.2	2135.4	2114.0	1888.6	1603.6	1462.9	1506.3	1543.2	1728.1	2010.9	2243.7
32.5°	2326.2	2349.0	2320.3	2053.6	1761.9	1666.2	1745.0	1766.4	1890.1	2201.7	2467.6
35°	2569.2	2588.4	2557.5	2282.0	2131.7	2149.4	2292.3	2265.0	2215.7	2436.7	2729.1
37.5°	2835.9	2853.6	2793.9	2628.2	2678.3	2754.9	2983.2	2889.7	2730.6	2739.4	3012.7
40°	3080.4	3099.6	3006.0	3004.6	3107.7	3247.7	3523.1	3394.2	3177.7	3135.7	3278.6
42.5°	3333.8	3347.1	3262.4	3204.9	3439.2	3727.2	4018.9	3845.0	3473.8	3428.1	3611.5
45°	3695.5	3723.5	3572.5	3303.6	3737.5	4278.9	4685.5	4345.9	3675.6	3638.8	4121.3
47.5°	4227.3	4247.9	3940.1	3365.5	4015.2	4966.1	5518.6	4995.6	3853.1	3769.2	4818.1
50°	4667.1	4681.1	4278.1	3433.3	4310.6	5707.1	6468.0	5766.1	4052.8	3985.0	5468.5
52.5°	4991.2	5044.2	4722.3	3572.5	4698.7	6578.5	7519.2	6678.7	4364.3	4401.9	6007.7
55°	5058.2	5130.4	5025.8	3657.9	5040.5	7466.1	8490.0	7495.6	4675.2	4717.9	6188.9
57.5°	4445.4	4502.8	4589.7	3313.2	5032.4	7872.7	9053.5	7766.7	4533.7	4231.0	5510.5
60°	3330.2	3369.9	3527.6	2532.4	4628.0	7513.3	8614.5	7305.6	3964.4	3228.5	4198.6
62.5°	1974.8	1992.5	2192.1	1640.4	3841.3	6470.3	7144.2	6303.8	3132.7	2171.5	2571.5
65°	758.0	750.6	903.1	809.5	2824.8	5154.0	5313.8	4805.6	2149.4	995.1	980.4
67.5°	117.1	112.0	151.0	239.4	2037.4	3571.8	3506.2	3463.5	1346.5	232.0	202.6
70°	26.5	26.5	32.4	70.7	1244.8	2098.6	2245.9	2141.3	861.8	49.4	26.5
72.5°	12.5	12.5	15.5	30.2	450.8	864.8	1007.7	992.2	279.9	16.2	9.6
75°	4.4	5.2	5.2	6.6	27.3	44.9	103.1	73.7	17.7	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°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.7	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°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	1071.0	1065.9	1046.7	1020.9	995.9	973.8	950.9	923.7	903.8	881.0	873.6
5°	1190.3	1157.9	1105.6	1051.1	1001.0	958.3	917.1	872.9	840.5	808.0	797.0
7.5°	1291.3	1243.4	1158.7	1076.9	1008.4	948.0	888.3	827.9	780.8	742.5	730.7
10°	1381.9	1326.6	1213.2	1112.3	1026.1	956.1	883.9	808.0	746.9	701.2	690.2
12.5°	1459.9	1395.8	1259.6	1138.8	1033.4	953.2	883.2	822.8	767.5	715.2	701.2
15°	1525.5	1454.8	1298.6	1156.5	1022.4	916.3	855.2	845.6	841.2	783.7	756.5
17.5°	1589.6	1510.0	1330.3	1164.6	991.5	851.5	807.3	850.8	897.2	859.6	825.0
20°	1656.6	1566.0	1362.7	1166.0	939.9	778.6	771.2	839.7	898.6	886.9	854.5
22.5°	1735.4	1636.0	1403.2	1165.3	875.1	716.7	744.7	818.4	866.2	865.5	839.7
25°	1849.6	1724.4	1457.7	1169.7	804.4	668.8	715.2	782.3	821.3	819.8	798.5
27.5°	1971.9	1829.7	1528.4	1180.8	744.0	640.8	680.6	732.9	766.8	765.3	746.9
30°	2143.5	1951.2	1596.2	1181.5	700.5	626.1	642.3	678.4	710.8	707.1	693.1
32.5°	2352.0	2088.2	1652.9	1139.5	673.2	612.1	602.5	621.0	646.0	640.8	637.2
35°	2603.9	2251.0	1701.5	1047.4	631.3	584.1	558.3	562.0	579.7	582.6	581.2
37.5°	2891.1	2444.8	1761.9	925.9	574.5	543.6	509.0	506.0	516.4	525.9	533.3
40°	3174.7	2662.8	1843.7	802.9	523.0	492.0	458.9	451.5	456.0	472.9	488.4
42.5°	3493.7	2915.4	1932.1	697.6	487.6	435.3	403.7	389.7	402.2	429.4	447.9
45°	3953.3	3269.7	2018.3	613.6	472.9	385.2	342.5	341.0	355.0	390.4	411.0
47.5°	4598.6	3727.9	2075.0	548.0	472.2	346.2	295.4	304.2	320.4	355.0	378.6
50°	5227.6	4301.7	2012.4	497.9	456.7	320.4	260.0	277.7	293.9	324.1	348.4
52.5°	5607.0	4610.4	1768.6	450.8	408.8	308.6	225.4	256.3	259.3	286.5	312.3
55°	5567.2	4410.7	1354.6	377.9	338.1	291.7	189.3	231.3	232.8	253.4	275.5
57.5°	4832.1	3786.8	930.3	306.4	254.1	240.9	156.2	195.2	209.2	221.7	237.9
60°	3601.2	2763.0	414.7	249.0	161.3	162.8	133.3	147.3	168.7	183.4	197.4
62.5°	2122.1	1589.6	168.7	149.5	89.1	102.4	107.5	107.5	120.8	131.9	140.7
65°	802.2	556.1	68.5	75.1	46.4	47.9	63.3	78.1	88.4	98.0	109.8
67.5°	140.7	97.2	35.4	28.0	27.3	24.3	32.4	50.8	56.7	64.1	69.2
70°	23.6	19.9	14.7	14.0	12.5	13.3	21.4	36.1	39.8	42.0	44.2
72.5°	6.6	5.9	4.4	3.7	2.9	3.7	13.3	28.0	29.5	30.9	33.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	5.2	19.9	21.4	22.1	24.3
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	5.9	7.4	5.9
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°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	869.2	854.5	846.3	841.9	841.9	836.0	829.4	827.2	836.8	836.8	853.0
5°	783.0	771.2	758.0	749.9	737.3	739.5	732.2	731.4	741.0	745.4	762.4
7.5°	723.3	708.6	700.5	695.3	688.7	685.8	679.1	676.9	682.1	689.5	705.7
10°	683.6	681.4	680.6	684.3	684.3	680.6	674.7	671.0	672.5	686.5	704.9
12.5°	693.9	698.3	699.8	705.7	708.6	705.7	701.2	702.7	712.3	738.1	765.3
15°	738.8	735.1	733.6	736.6	738.8	735.9	734.4	745.4	778.6	815.4	846.3
17.5°	786.7	763.1	752.8	752.8	754.3	752.8	754.3	775.6	829.4	866.2	889.1
20°	811.0	767.5	751.3	747.6	750.6	751.3	756.5	780.8	839.7	865.5	870.7
22.5°	803.6	749.1	730.7	727.8	730.7	733.6	738.8	759.4	814.7	827.9	825.7
25°	766.8	713.0	698.3	698.3	704.9	704.2	706.4	721.1	766.8	774.9	771.2
27.5°	720.4	669.6	657.0	664.4	670.3	668.8	669.6	682.1	716.0	718.2	714.5
30°	673.2	629.1	617.3	626.1	634.2	632.7	633.5	646.0	667.4	665.1	660.0
32.5°	625.4	593.0	584.1	589.3	601.8	600.3	603.3	616.5	624.6	615.1	609.2
35°	581.2	564.2	557.6	560.5	570.1	572.3	577.5	586.3	586.3	574.5	564.2
37.5°	539.9	537.7	533.3	529.6	538.5	545.1	552.4	562.8	548.0	531.1	521.5
40°	501.6	511.2	505.3	495.7	500.9	510.5	525.2	533.3	515.6	498.7	482.5
42.5°	466.3	482.5	480.3	468.5	472.9	481.7	498.7	505.3	484.7	465.5	450.1
45°	432.4	455.2	456.7	442.0	446.4	455.2	475.1	477.3	450.8	430.2	419.1
47.5°	402.9	428.0	428.7	417.6	419.1	431.6	450.1	450.8	420.6	401.4	387.4
50°	374.9	403.7	405.9	396.3	397.8	412.5	428.0	425.0	392.6	372.7	360.2
52.5°	341.0	380.1	385.2	380.8	386.7	398.5	408.1	397.8	360.2	340.3	329.3
55°	304.2	355.0	366.1	363.1	369.8	379.3	381.6	374.9	327.8	307.9	297.6
57.5°	261.5	292.4	311.6	305.7	310.8	320.4	327.0	321.9	286.5	271.1	262.2
60°	216.6	237.2	241.6	232.0	227.6	244.5	260.0	253.4	223.2	213.6	203.3
62.5°	158.4	181.9	184.9	172.4	167.2	185.6	198.9	192.3	159.1	148.8	140.7
65°	126.7	148.8	154.7	142.9	140.0	153.9	162.1	145.8	122.3	111.2	102.4
67.5°	83.2	100.9	116.4	115.6	109.8	114.2	108.3	95.0	78.1	72.2	66.3
70°	51.6	61.9	71.4	75.1	74.4	72.9	64.8	55.2	50.1	47.9	44.9
72.5°	39.8	50.1	57.5	59.7	60.4	58.2	51.6	42.7	37.6	34.6	32.4
75°	29.5	37.6	43.5	46.4	47.9	46.4	39.8	33.9	28.7	26.5	24.3
77.5°	10.3	12.5	15.5	16.9	16.2	15.5	14.0	14.0	11.0	10.3	8.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5	963.5
2.5°	871.4	884.7	909.0	931.1	954.6	978.9	1005.5	1032.7	1045.2	1043.8
5°	788.2	816.9	856.7	900.1	948.7	1001.0	1059.2	1118.9	1144.7	1155.7
7.5°	735.9	776.4	828.7	883.9	948.0	1022.4	1110.1	1203.6	1241.2	1253.7
10°	742.5	789.6	833.1	886.9	955.4	1051.9	1160.9	1272.1	1316.3	1330.3
12.5°	796.3	806.6	818.4	862.6	948.7	1074.0	1207.3	1339.9	1390.7	1404.7
15°	844.9	797.0	774.9	815.4	925.2	1089.4	1254.4	1412.8	1468.8	1485.0
17.5°	847.1	774.9	725.5	757.2	886.9	1096.1	1300.8	1487.2	1548.3	1563.8
20°	819.8	750.6	687.2	688.0	834.6	1094.6	1339.1	1554.2	1622.7	1636.7
22.5°	780.1	721.9	656.3	633.5	778.6	1091.6	1381.1	1625.7	1700.1	1713.3
25°	735.9	685.0	626.8	592.2	722.6	1094.6	1440.0	1719.2	1801.0	1813.5
27.5°	688.0	644.5	604.0	576.0	675.5	1105.6	1510.8	1838.5	1935.8	1949.0
30°	637.9	605.5	589.3	572.3	646.0	1108.6	1587.4	1977.8	2100.8	2119.2
32.5°	588.5	570.9	571.6	574.5	618.0	1088.0	1657.3	2132.4	2296.7	2326.2
35°	542.9	537.7	552.4	567.2	577.5	1034.9	1718.5	2315.1	2539.0	2569.2
37.5°	503.8	508.3	526.7	541.4	533.3	959.8	1799.5	2543.5	2810.1	2835.9
40°	466.3	477.3	498.7	505.3	499.4	872.1	1896.7	2763.7	3045.1	3080.4
42.5°	431.6	439.7	469.9	471.4	489.8	783.0	1990.3	3000.9	3315.4	3333.8
45°	403.7	402.2	433.1	442.7	502.4	684.3	2081.6	3316.9	3669.0	3695.5
47.5°	376.4	374.9	382.3	425.8	507.5	593.0	2172.2	3779.5	4181.7	4227.3
50°	350.6	352.8	330.0	417.6	479.5	523.0	2213.5	4207.4	4647.9	4667.1
52.5°	327.8	319.7	279.9	391.1	419.9	456.7	2096.4	4401.9	4936.7	4991.2
55°	295.4	250.4	230.6	317.5	331.5	398.5	1717.0	4289.2	4961.7	5058.2
57.5°	252.7	196.7	195.9	234.2	234.2	369.8	1099.7	3664.6	4275.9	4445.4
60°	194.5	152.5	162.1	162.8	150.3	269.6	617.3	2654.7	3161.5	3330.2
62.5°	138.5	116.4	122.3	97.2	86.2	134.8	296.1	1528.4	1951.2	1974.8
65°	92.8	78.8	64.1	53.8	53.0	57.5	122.3	552.4	671.8	758.0
67.5°	61.1	47.9	33.9	33.9	38.3	38.3	46.4	91.3	128.2	117.1
70°	39.8	33.1	21.4	20.6	25.0	25.0	23.6	25.0	26.5	26.5
72.5°	29.5	25.0	12.5	11.0	14.0	14.7	13.3	12.5	12.5	12.5
75°	22.1	17.7	7.4	5.2	6.6	8.8	7.4	5.2	5.2	4.4
77.5°	8.8	6.6	2.9	2.2	3.7	5.2	4.4	2.2	1.5	1.5
80°	0.7	1.5	1.5	1.5	2.2	2.9	3.7	1.5	0.7	0.7
82.5°	0.0	0.7	0.7	0.7	1.5	2.2	2.9	1.5	0.7	0.7
85°	0.0	0.0	0.0	0.0	1.5	2.2	1.5	0.7	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.7	2.2	1.5	0.7	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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