

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: P630947

Luminaire Tested: GWS-SA1E-760-U-SLL-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630947  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-760-U-SLL-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

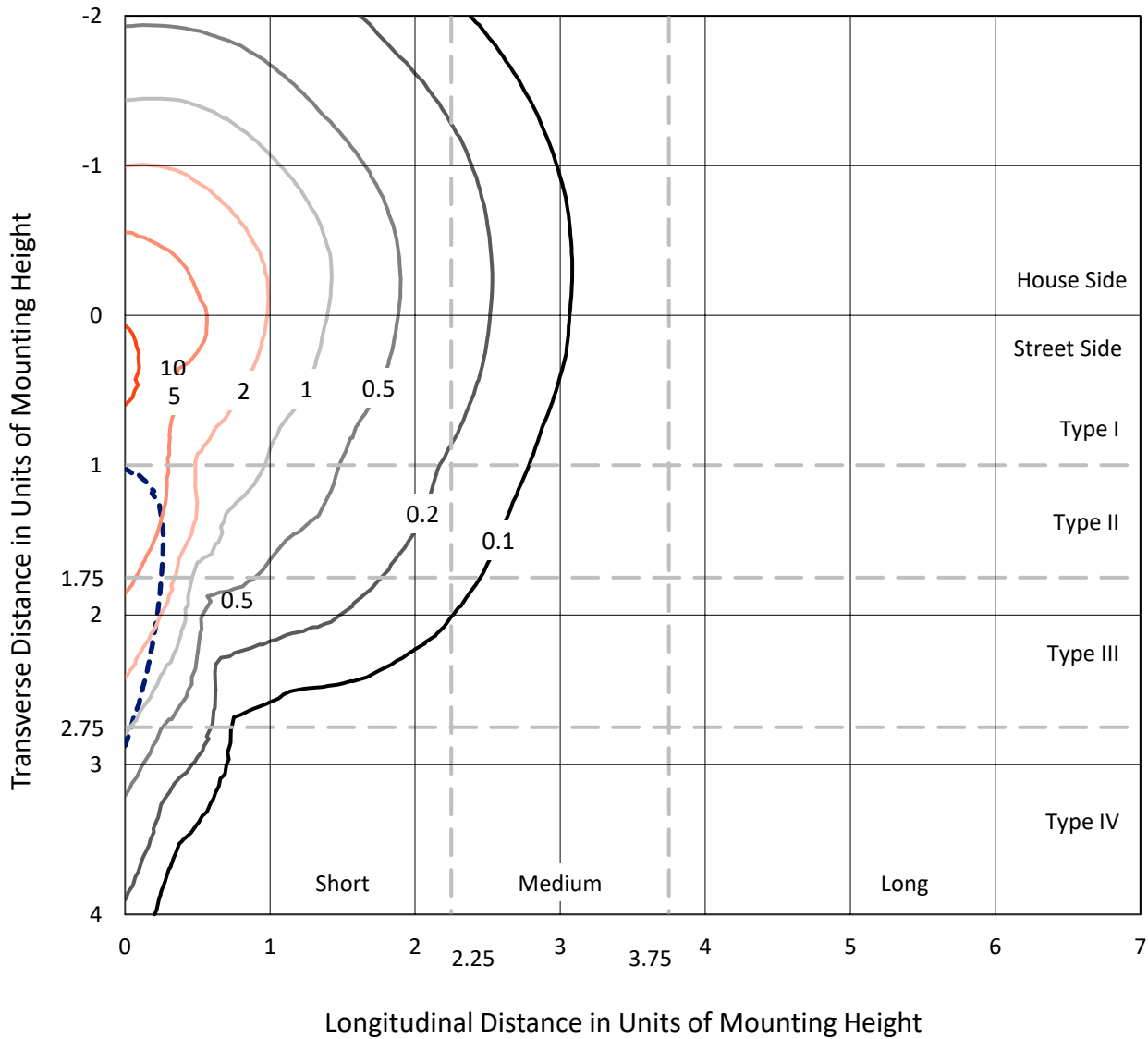
Lumens per Lamp: N/A  
Luminaire Lumens: 7165.2 lumens  
Efficiency: N/A  
Efficacy: 122.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

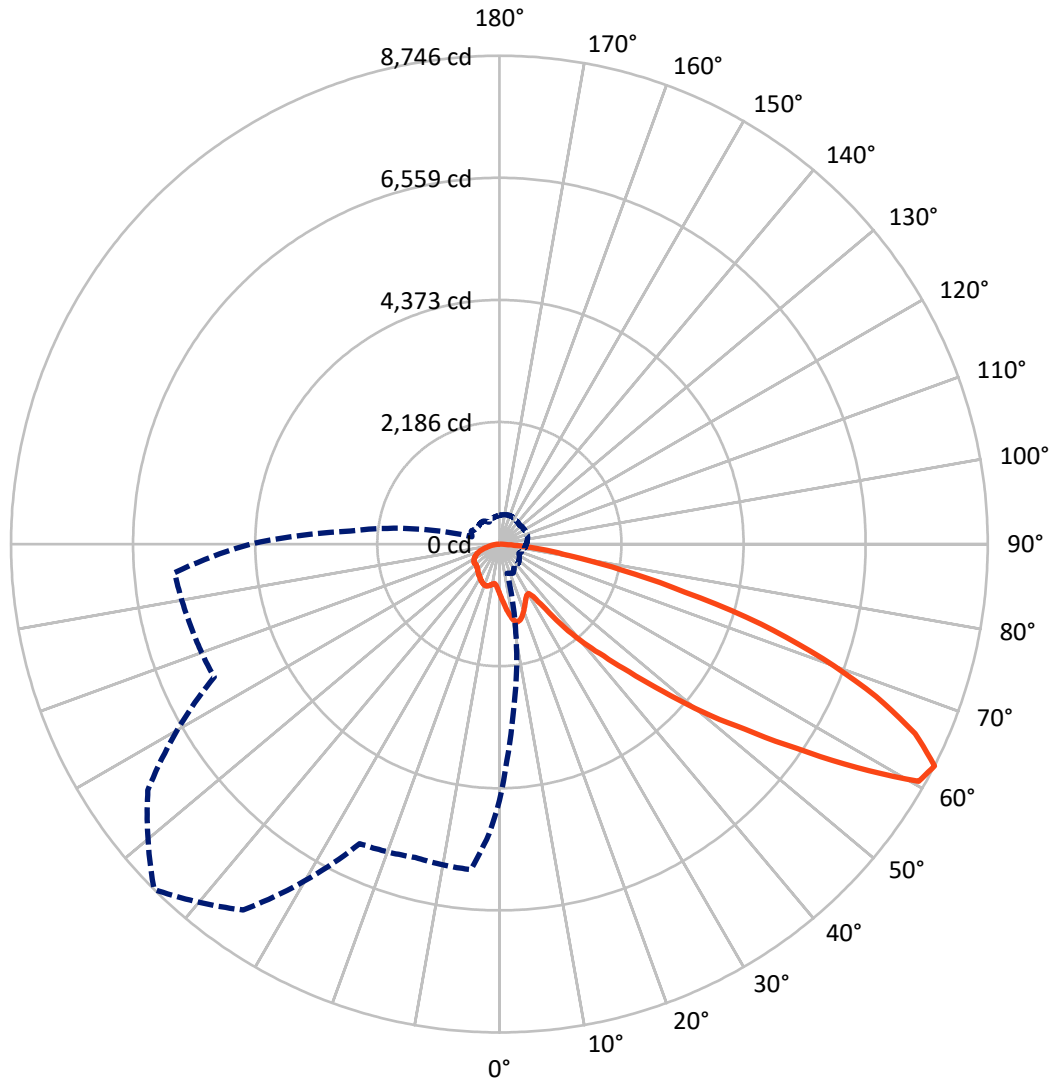
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral    - - - Horizontal Cone Through 62.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1713.2	0.0	1713.2
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	5452.0	0.0	5452.0
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	7165.2	0.0	7165.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.0	1.2
10°-20°	286.0	4.0
20°-30°	450.3	6.3
30°-40°	617.2	8.6
40°-50°	963.0	13.4
50°-60°	1660.4	23.2
60°-70°	1924.2	26.9
70°-80°	1015.7	14.2
80°-90°	160.4	2.2
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°	7165.2	100.0
0°-180°	7165.2	100.0

**Coefficient of Utilization**



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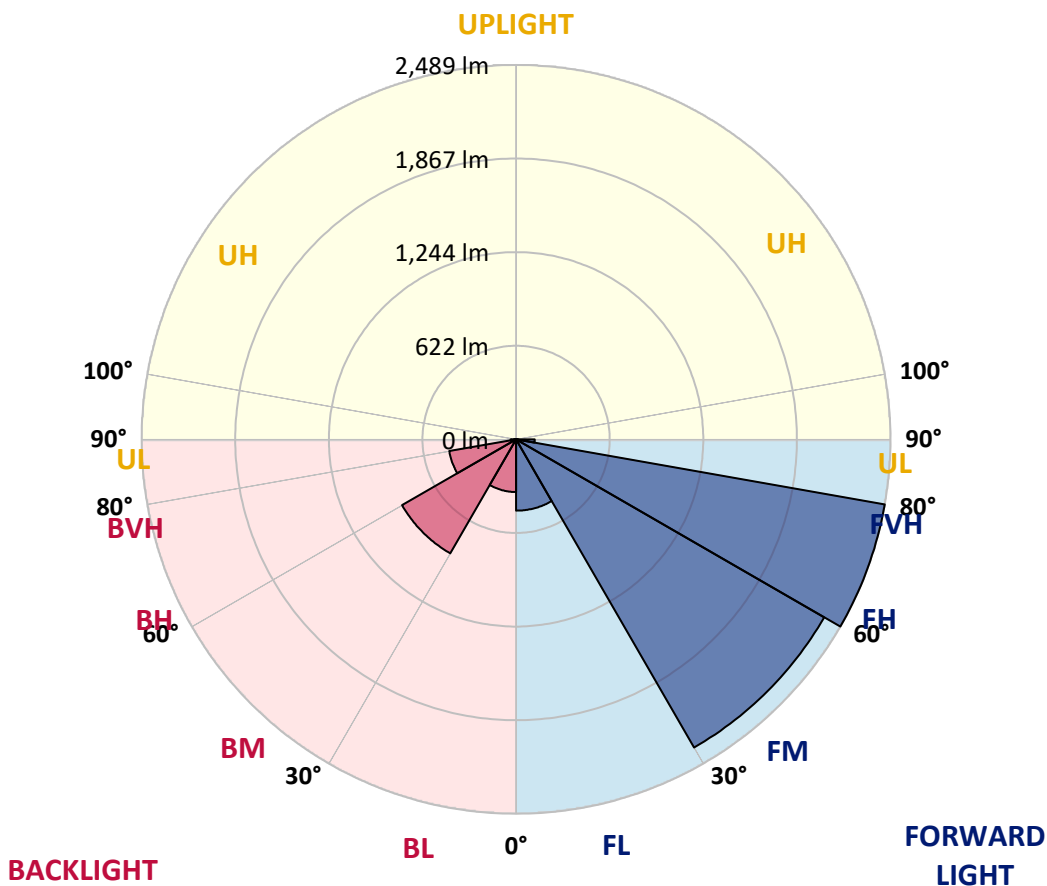
CATALOG NUMBER: GWS-SA1E-760-U-SLL-W

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	473.9	6.6			
FM (30°-60°)	2365.5	33.0			
FH (60°-80°)	2488.8	34.7			G2/5000
FVH (80°-90°)	123.8	1.7			G2/225
BL (0°-30°)	350.4	4.9	B1/500		
BM (30°-60°)	875.1	12.2	B1/1000		
BH (60°-80°)	451.1	6.3	B1/500		G1/500
BVH (80°-90°)	36.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4
2.5°	970.6	966.8	961.3	942.7	931.2	918.0	904.3	888.4	870.3	857.7	845.1
5°	1052.8	1046.8	1033.7	989.3	958.6	925.1	897.2	865.4	834.2	812.8	791.4
7.5°	1131.8	1124.1	1103.8	1035.8	986.0	937.7	895.5	849.5	802.9	771.1	745.9
10°	1210.7	1194.8	1169.0	1080.2	1014.5	958.6	910.3	853.9	792.0	748.7	721.8
12.5°	1271.0	1256.2	1228.2	1120.8	1043.0	972.8	918.6	866.5	813.9	767.8	740.4
15°	1327.4	1308.2	1276.5	1158.6	1066.5	972.3	902.1	856.6	849.0	837.4	801.8
17.5°	1368.0	1350.4	1317.6	1189.3	1079.7	955.3	856.6	829.8	864.3	899.4	865.4
20°	1403.6	1383.3	1349.9	1210.7	1082.4	917.5	801.3	801.8	856.1	904.3	896.1
22.5°	1433.7	1411.3	1381.7	1234.8	1081.3	864.9	753.0	785.9	840.2	878.0	879.1
25°	1471.0	1452.4	1427.7	1270.4	1081.3	811.1	718.0	766.7	813.3	845.1	844.0
27.5°	1516.5	1503.9	1483.6	1324.7	1091.2	766.2	698.2	742.1	778.8	806.2	805.7
30°	1567.5	1556.0	1540.6	1382.2	1108.2	732.8	687.3	711.4	738.2	760.2	760.2
32.5°	1619.5	1615.2	1598.7	1428.3	1095.0	722.4	678.0	680.7	695.0	713.0	711.4
35°	1691.9	1687.5	1666.7	1463.9	1038.0	707.6	663.2	649.5	651.1	662.6	666.5
37.5°	1797.7	1791.1	1760.4	1505.5	952.0	670.3	639.0	616.6	611.6	616.6	623.7
40°	1925.4	1915.5	1873.8	1562.0	852.8	619.9	601.2	582.6	574.4	576.0	584.2
42.5°	2085.4	2064.6	2004.8	1621.7	754.7	575.5	559.0	547.5	538.2	537.1	553.0
45°	2345.2	2288.2	2193.4	1674.9	671.9	551.9	521.2	513.0	505.3	509.7	528.3
47.5°	2799.0	2693.8	2509.1	1720.4	621.5	552.5	491.1	482.3	481.8	490.5	511.3
50°	3422.7	3270.9	2985.9	1751.1	595.2	559.0	473.0	458.7	469.1	477.9	497.6
52.5°	4020.1	3788.3	3449.0	1750.5	583.7	560.1	477.9	436.8	469.1	471.3	490.0
55°	4530.3	4110.5	3574.0	1570.8	567.3	555.7	497.1	419.8	463.1	471.3	486.1
57.5°	4935.9	4315.5	3564.6	1268.8	617.1	531.6	508.6	416.0	445.6	472.4	489.4
60°	4891.0	4221.8	3335.0	778.8	612.2	488.9	507.0	423.1	416.0	457.6	485.6
62.5°	4592.3	3885.8	2939.8	540.4	574.9	464.2	480.1	435.7	388.6	436.3	467.0
65°	4174.1	3452.3	2449.9	414.3	476.3	465.3	434.6	426.9	364.5	402.3	435.2
67.5°	3621.1	2914.6	1934.1	328.3	332.1	402.8	394.6	379.3	342.0	372.1	401.7
70°	2722.3	2127.1	1330.7	264.2	251.6	336.5	354.6	340.9	320.1	328.8	360.1
72.5°	1918.2	1388.8	728.9	209.4	194.0	258.7	308.0	305.8	282.8	289.4	320.1
75°	1425.5	982.7	455.4	165.5	157.8	185.2	258.1	264.7	245.5	253.2	276.8
77.5°	948.7	636.3	253.2	122.8	122.8	135.4	192.4	223.1	208.8	214.8	231.3
80°	523.4	323.9	126.6	80.6	82.8	93.2	140.3	160.6	161.1	175.9	180.3
82.5°	165.5	103.0	56.5	47.1	44.4	53.2	90.4	115.1	107.4	137.0	126.1
85°	37.8	24.1	10.4	10.4	11.5	17.5	34.5	61.4	78.4	94.3	68.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	24.1	35.6	31.8
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°	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4
2.5°	837.4	826.5	823.2	813.9	812.8	804.0	800.7	800.7	804.6	804.6	808.4
5°	782.6	768.9	761.3	750.3	747.6	741.0	736.6	737.2	742.1	745.4	752.0
7.5°	734.4	725.1	719.6	714.7	713.6	712.5	707.6	707.0	708.7	713.6	718.5
10°	714.1	707.6	709.2	713.0	719.1	722.4	718.0	715.8	714.1	717.4	721.8
12.5°	733.9	727.3	730.6	737.2	745.4	748.7	747.0	746.5	748.1	760.7	770.0
15°	777.2	764.6	760.2	762.9	769.5	772.8	771.1	773.3	783.7	816.6	840.2
17.5°	830.9	800.2	782.6	777.7	780.4	783.2	783.2	788.7	806.8	855.0	884.6
20°	859.9	819.9	790.3	778.3	779.4	782.1	782.1	789.8	810.0	861.6	880.7
22.5°	852.2	815.5	779.4	766.2	766.7	768.9	768.9	775.5	793.6	839.1	847.9
25°	822.1	789.8	754.1	742.6	743.7	747.6	746.5	750.3	764.0	801.3	806.2
27.5°	785.9	757.4	722.4	713.6	718.5	726.2	719.6	720.2	732.8	764.0	764.6
30°	747.0	723.5	692.2	685.6	695.0	698.8	692.8	692.8	705.4	726.7	726.2
32.5°	704.8	690.0	667.5	660.4	670.8	676.9	669.2	670.3	680.2	694.4	688.9
35°	665.4	657.7	647.3	642.3	648.9	654.4	649.5	651.7	661.0	664.8	657.1
37.5°	627.5	626.4	627.5	627.5	629.2	630.8	627.5	633.0	641.2	636.3	627.5
40°	594.7	599.0	609.5	606.7	605.1	606.7	604.5	613.8	622.1	613.3	602.9
42.5°	567.3	575.5	591.4	591.4	588.1	589.2	588.1	599.6	605.6	593.6	582.0
45°	543.7	555.7	576.0	578.8	573.3	573.3	575.5	589.7	591.9	575.5	563.4
47.5°	527.2	542.0	565.1	570.0	561.8	561.2	567.3	582.6	582.6	563.4	549.7
50°	515.7	532.2	559.6	566.2	557.9	555.7	565.6	580.4	577.1	554.1	540.4
52.5°	508.1	525.0	559.0	568.3	562.9	560.7	570.5	581.0	572.7	548.1	533.8
55°	503.1	521.8	560.7	568.3	562.3	558.5	568.3	577.7	573.3	544.8	531.1
57.5°	505.9	524.5	558.5	562.3	555.2	548.6	560.1	573.3	571.6	545.9	532.2
60°	501.5	518.5	546.4	547.5	535.5	525.0	542.0	561.8	561.8	542.0	530.0
62.5°	481.2	498.2	522.9	524.0	510.3	498.7	518.5	542.0	541.5	525.6	513.0
65°	447.8	463.7	491.6	494.4	480.7	468.6	488.9	510.8	512.4	498.2	487.2
67.5°	411.1	425.3	446.1	457.1	445.6	433.0	451.6	472.4	471.9	454.9	443.4
70°	367.2	380.4	399.5	408.9	401.7	389.7	406.7	417.6	412.7	404.5	396.8
72.5°	323.9	336.5	354.6	354.6	346.9	335.4	340.4	360.1	366.1	360.1	355.1
75°	278.4	289.4	302.0	304.7	287.7	266.9	289.9	306.9	314.0	311.3	305.3
77.5°	231.8	240.1	258.7	253.8	222.0	211.0	229.6	254.9	259.8	258.1	249.9
80°	178.7	183.6	203.3	193.5	168.8	161.7	169.9	189.6	190.7	185.2	174.8
82.5°	120.0	126.6	139.8	120.6	120.0	113.5	106.9	109.1	118.9	117.8	110.7
85°	61.4	64.7	77.3	72.3	61.9	53.7	51.0	54.3	48.8	44.4	38.4
87.5°	25.8	28.0	38.4	21.4	6.6	0.0	0.0	3.3	4.9	7.1	7.7
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°	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4
2.5°	817.2	823.2	838.0	856.6	874.7	893.4	913.6	926.2	941.6	961.3	961.9
5°	760.2	773.9	795.2	823.7	853.3	887.3	926.8	959.7	999.1	1030.4	1043.0
7.5°	725.1	744.8	771.7	807.9	846.8	889.0	940.5	995.8	1060.5	1102.2	1126.8
10°	728.4	758.5	785.4	816.1	851.2	896.6	963.0	1036.4	1115.9	1170.7	1201.4
12.5°	787.0	818.8	813.9	812.2	835.8	891.2	981.0	1077.5	1174.5	1229.3	1266.0
15°	861.0	873.1	826.5	791.4	805.7	871.4	990.9	1114.2	1223.3	1290.2	1326.3
17.5°	898.8	874.7	818.3	765.7	761.8	841.3	995.8	1151.5	1278.1	1345.0	1383.3
20°	881.3	846.2	798.5	748.7	721.3	800.2	993.1	1181.1	1328.0	1402.5	1433.7
22.5°	843.5	812.8	775.5	727.8	688.4	755.2	986.0	1210.7	1372.4	1447.4	1474.9
25°	802.4	779.4	748.7	707.0	669.7	715.8	981.0	1250.1	1423.3	1495.1	1512.7
27.5°	761.3	744.3	719.1	686.7	665.4	688.4	982.7	1301.7	1489.1	1557.1	1549.9
30°	720.7	705.9	688.4	674.1	664.8	681.8	978.3	1356.5	1561.4	1624.5	1582.3
32.5°	682.3	668.6	657.7	659.9	665.4	684.5	955.8	1406.3	1627.8	1681.5	1617.4
35°	649.5	635.2	635.2	642.9	663.2	675.2	897.7	1445.3	1701.2	1754.9	1667.2
37.5°	618.8	606.2	614.4	627.0	646.2	650.0	823.2	1483.1	1808.1	1858.5	1744.5
40°	591.9	579.3	594.1	610.0	619.9	618.2	747.6	1535.7	1934.1	1986.2	1847.0
42.5°	570.5	559.0	572.2	592.5	594.1	595.8	692.2	1586.1	2080.5	2146.8	2023.5
45°	553.0	544.8	551.4	571.6	571.6	596.8	657.7	1628.3	2300.8	2418.1	2347.4
47.5°	539.3	534.4	537.7	544.2	555.2	616.6	635.8	1660.6	2702.0	2932.2	2860.9
50°	531.6	526.7	531.1	517.4	550.3	626.4	628.6	1685.3	3230.9	3591.5	3503.3
52.5°	525.0	523.4	526.1	494.4	561.2	619.9	623.2	1652.4	3585.5	4240.4	4327.6
55°	522.9	524.0	510.8	477.4	574.4	597.9	606.7	1417.3	3681.9	4800.0	5340.9
57.5°	524.0	520.7	487.2	479.0	574.9	554.1	630.3	1011.2	3541.6	5043.3	6332.4
60°	520.1	503.7	458.7	493.8	549.7	502.6	613.3	659.3	3171.7	4856.4	6389.9
62.5°	503.1	479.0	434.1	502.0	504.8	471.9	556.8	508.1	2678.4	4456.3	5835.3
65°	478.5	446.1	413.2	485.0	459.3	457.6	418.7	407.2	2153.9	3980.1	5309.1
67.5°	437.9	405.6	397.9	446.1	413.2	405.6	336.5	337.6	1718.7	3472.6	4780.3
70°	391.9	359.5	365.6	403.4	367.8	337.1	272.4	281.2	1303.9	2893.3	4067.2
72.5°	361.7	318.4	319.0	355.1	323.4	272.9	224.2	231.8	827.6	2180.8	3233.6
75°	305.3	280.6	268.6	287.7	274.6	212.7	188.5	186.9	490.5	1563.1	2421.4
77.5°	254.9	235.7	229.6	237.3	205.0	157.3	151.8	149.1	277.9	1001.3	1586.7
80°	184.7	179.8	179.2	183.1	157.8	115.6	115.6	116.2	149.6	543.7	894.4
82.5°	117.3	128.2	113.5	126.1	107.4	82.2	76.7	87.1	86.0	231.8	377.1
85°	48.8	66.9	62.5	66.3	51.0	44.9	48.2	52.1	49.9	89.3	146.9
87.5°	9.3	11.0	12.1	11.5	11.5	14.2	15.9	19.2	19.2	25.8	44.4
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°	358°	360°
0°	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4	893.4
2.5°	982.7	998.6	995.3	1002.4	993.1	996.4	977.8	972.8	969.5	970.6
5°	1083.5	1115.9	1121.9	1134.0	1125.7	1125.7	1092.8	1068.2	1059.4	1052.8
7.5°	1186.0	1232.6	1263.3	1266.6	1262.2	1253.4	1205.8	1161.4	1145.5	1131.8
10°	1277.0	1332.9	1367.4	1383.9	1375.7	1362.0	1302.8	1241.9	1222.7	1210.7
12.5°	1346.6	1395.9	1419.0	1429.9	1428.8	1423.9	1375.7	1309.9	1289.6	1271.0
15°	1391.5	1416.2	1407.4	1406.9	1414.6	1434.3	1419.5	1368.0	1344.4	1327.4
17.5°	1420.6	1397.0	1358.1	1340.0	1356.5	1403.1	1437.0	1408.0	1386.6	1368.0
20°	1431.0	1347.2	1290.7	1257.3	1276.5	1343.9	1427.7	1437.0	1419.0	1403.6
22.5°	1419.0	1286.3	1209.6	1170.1	1188.8	1269.3	1400.3	1460.6	1448.5	1433.7
25°	1389.4	1222.7	1130.7	1095.0	1115.3	1197.5	1351.5	1482.5	1483.1	1471.0
27.5°	1352.6	1164.1	1075.3	1041.9	1061.6	1138.3	1303.9	1501.7	1520.9	1516.5
30°	1315.4	1129.0	1049.0	1025.4	1040.2	1108.2	1255.1	1521.4	1559.8	1567.5
32.5°	1298.4	1146.0	1110.9	1121.3	1102.2	1125.7	1237.5	1549.4	1606.9	1619.5
35°	1320.8	1296.7	1385.5	1426.6	1358.7	1269.3	1260.0	1591.6	1673.3	1691.9
37.5°	1429.9	1619.5	1752.2	1896.9	1779.0	1582.3	1371.3	1663.4	1768.1	1797.7
40°	1667.2	1901.3	2140.8	2327.6	2149.5	1884.8	1582.8	1770.3	1898.5	1925.4
42.5°	1890.8	2165.4	2495.4	2737.1	2505.8	2132.0	1810.8	1950.0	2070.6	2085.4
45°	2110.1	2424.7	2924.5	3260.5	2946.4	2367.1	2043.7	2253.7	2344.6	2345.2
47.5°	2367.1	2716.8	3462.7	3941.2	3531.2	2627.4	2262.4	2734.3	2860.9	2799.0
50°	2674.6	3007.3	4016.8	4733.1	4244.2	2947.5	2540.3	3320.2	3492.8	3422.7
52.5°	3086.2	3327.3	4627.3	5505.4	5021.4	3312.0	2943.1	4094.1	4151.1	4020.1
55°	3665.5	3789.3	5411.1	6459.0	5889.0	3760.8	3532.3	5065.3	4905.8	4530.3
57.5°	4984.7	4520.5	6417.3	7546.9	6870.6	4576.4	4823.6	6136.2	5568.9	4935.9
60°	6088.5	5408.3	7348.5	8626.6	7711.9	5475.2	6035.9	6322.5	5544.3	4891.0
62.5°	5716.4	5634.7	7684.5	8745.5	7999.1	5917.5	5810.6	5852.8	5182.5	4592.3
65°	5015.4	5197.9	7384.7	8181.6	7680.6	5521.2	5256.0	5418.8	4768.7	4174.1
67.5°	4601.6	4735.9	6851.4	7278.9	7101.9	5092.7	4824.6	4706.8	4126.4	3621.1
70°	4178.5	4289.7	6102.7	6146.0	6199.2	4380.2	3945.0	3594.2	3075.8	2722.3
72.5°	3610.7	3616.7	5156.2	4905.2	5006.1	3427.6	3175.5	2687.2	2238.9	1918.2
75°	3029.2	2863.7	4081.5	3428.7	3631.0	2666.4	2636.8	2025.1	1688.6	1425.5
77.5°	2309.6	2116.1	2981.5	2254.8	2550.2	1775.7	1982.4	1373.5	1188.2	948.7
80°	1550.5	1429.9	1647.5	1272.6	1668.3	1223.8	1292.9	778.3	674.7	523.4
82.5°	817.7	698.2	1018.3	754.7	1006.3	672.5	485.0	240.6	205.0	165.5
85°	316.8	366.7	499.3	268.6	390.2	240.1	140.3	59.7	49.9	37.8
87.5°	61.4	94.8	52.1	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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