

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: P631057

Luminaire Tested: GWS-SA1E-830-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631057
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-830-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5641.7 lumens
Efficiency: N/A
Efficacy: 96.6 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

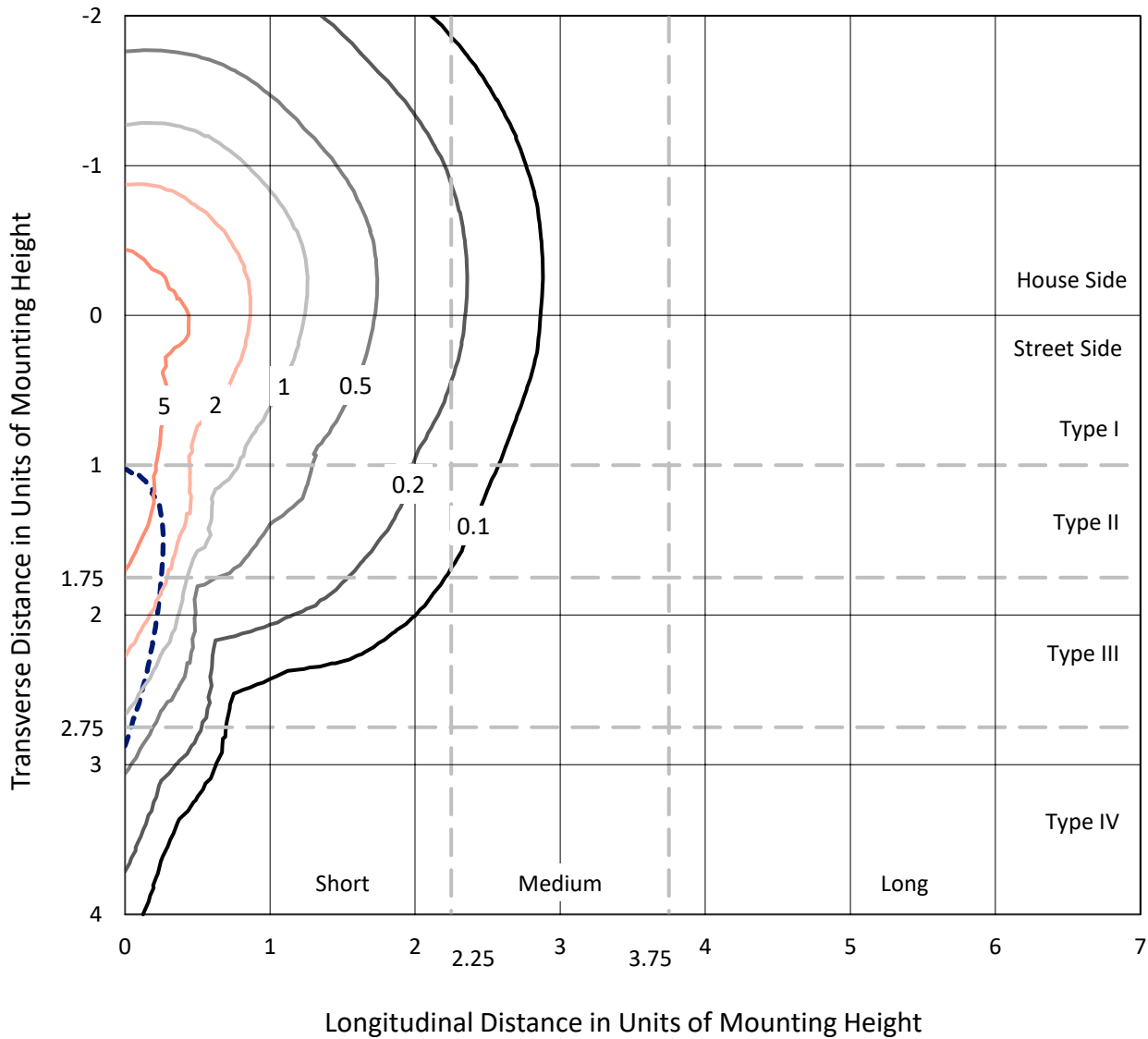
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

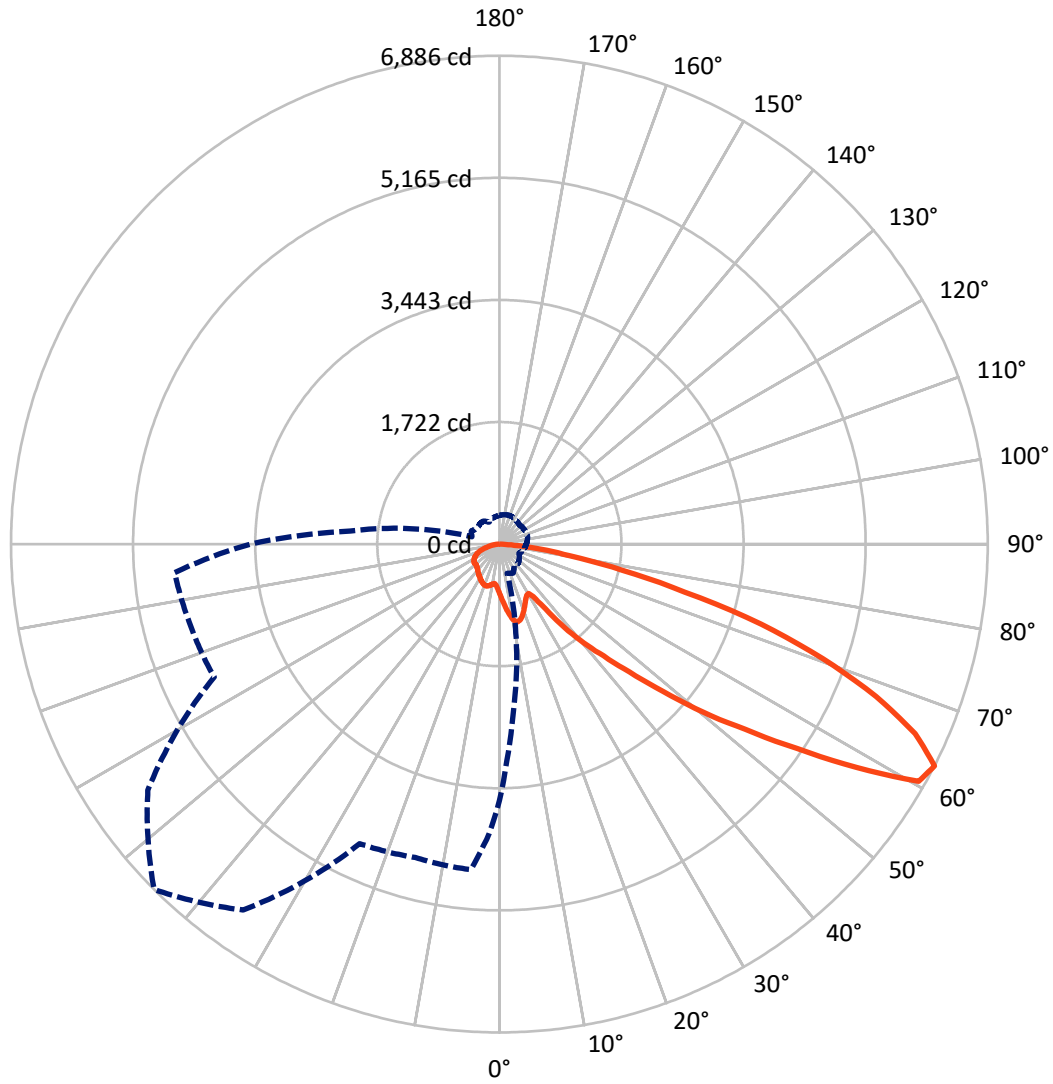
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.4 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
House Side	Lumens	1348.9	0.0	1348.9
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4292.8	0.0	4292.8
	% Fixture	76.1	0.0	76.1
Total	Lumens	5641.7	0.0	5641.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.2
10°-20°	225.2	4.0
20°-30°	354.5	6.3
30°-40°	486.0	8.6
40°-50°	758.2	13.4
50°-60°	1307.4	23.2
60°-70°	1515.1	26.9
70°-80°	799.7	14.2
80°-90°	126.3	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°	5641.7	100.0
0°-180°	5641.7	100.0

Coefficient of Utilization



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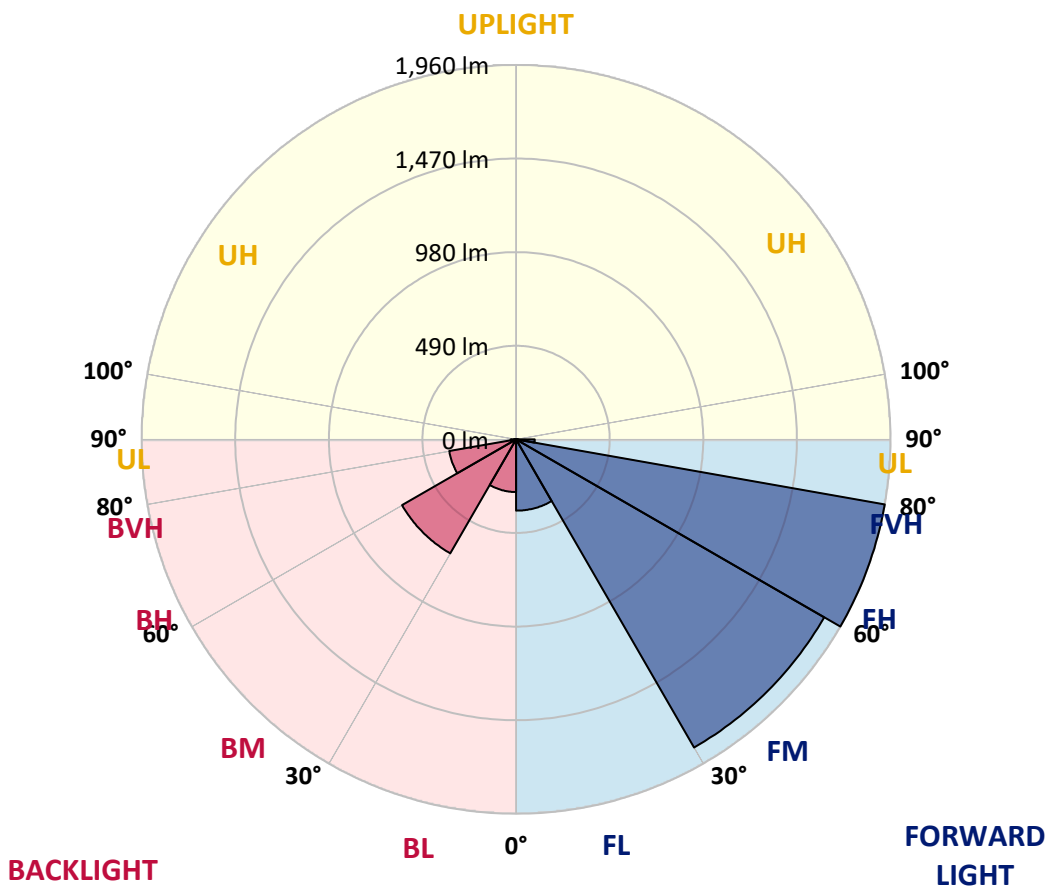
CATALOG NUMBER: GWS-SA1E-830-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	373.1	6.6			
FM (30°-60°)	1862.5	33.0			
FH (60°-80°)	1959.6	34.7			G2/5000
FVH (80°-90°)	97.5	1.7			G1/100
BL (0°-30°)	275.9	4.9	B1/500		
BM (30°-60°)	689.0	12.2	B1/1000		
BH (60°-80°)	355.2	6.3	B1/500		G1/500
BVH (80°-90°)	28.8	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°	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4
2.5°	764.2	761.2	756.9	742.2	733.2	722.8	712.0	699.5	685.3	675.4	665.4
5°	829.0	824.2	813.9	778.9	754.8	728.4	706.4	681.4	656.8	640.0	623.1
7.5°	891.1	885.1	869.1	815.6	776.3	738.4	705.1	668.9	632.2	607.2	587.3
10°	953.3	940.7	920.5	850.6	798.8	754.8	716.8	672.3	623.6	589.5	568.3
12.5°	1000.7	989.1	967.1	882.5	821.2	766.0	723.3	682.3	640.8	604.6	583.0
15°	1045.2	1030.1	1005.0	912.3	839.8	765.5	710.3	674.5	668.4	659.4	631.3
17.5°	1077.1	1063.3	1037.4	936.4	850.1	752.2	674.5	653.3	680.5	708.2	681.4
20°	1105.2	1089.2	1062.9	953.3	852.3	722.4	630.9	631.3	674.1	712.0	705.6
22.5°	1128.9	1111.2	1087.9	972.2	851.4	681.0	592.9	618.8	661.5	691.3	692.2
25°	1158.2	1143.6	1124.2	1000.3	851.4	638.7	565.3	603.7	640.4	665.4	664.6
27.5°	1194.1	1184.1	1168.2	1043.0	859.2	603.3	549.8	584.3	613.2	634.8	634.4
30°	1234.2	1225.1	1213.0	1088.3	872.6	577.0	541.1	560.1	581.3	598.5	598.5
32.5°	1275.2	1271.7	1258.8	1124.6	862.2	568.8	533.8	536.0	547.2	561.4	560.1
35°	1332.2	1328.7	1312.3	1152.6	817.3	557.1	522.2	511.4	512.7	521.7	524.7
37.5°	1415.4	1410.3	1386.1	1185.4	749.6	527.8	503.2	485.5	481.6	485.5	491.1
40°	1516.0	1508.2	1475.4	1229.9	671.5	488.1	473.4	458.7	452.2	453.5	460.0
42.5°	1642.0	1625.6	1578.6	1276.9	594.2	453.1	440.2	431.1	423.8	422.9	435.4
45°	1846.5	1801.7	1727.0	1318.8	529.1	434.6	410.4	403.9	397.9	401.3	416.0
47.5°	2203.9	2121.0	1975.6	1354.6	489.4	435.0	386.7	379.8	379.3	386.2	402.6
50°	2694.9	2575.4	2351.0	1378.8	468.6	440.2	372.4	361.2	369.4	376.3	391.8
52.5°	3165.3	2982.8	2715.7	1378.3	459.6	441.0	376.3	343.9	369.4	371.1	385.8
55°	3567.1	3236.5	2814.0	1236.8	446.6	437.6	391.4	330.6	364.6	371.1	382.8
57.5°	3886.4	3397.9	2806.7	999.0	485.9	418.6	400.5	327.5	350.8	372.0	385.4
60°	3851.0	3324.1	2625.9	613.2	482.0	384.9	399.2	333.1	327.5	360.3	382.3
62.5°	3615.8	3059.6	2314.8	425.5	452.7	365.5	378.0	343.1	306.0	343.5	367.7
65°	3286.6	2718.2	1929.0	326.2	375.0	366.4	342.2	336.2	287.0	316.7	342.6
67.5°	2851.2	2294.9	1522.9	258.5	261.5	317.2	310.7	298.6	269.3	293.0	316.3
70°	2143.4	1674.8	1047.8	208.0	198.1	265.0	279.2	268.4	252.0	258.9	283.5
72.5°	1510.4	1093.5	573.9	164.8	152.8	203.7	242.5	240.8	222.7	227.9	252.0
75°	1122.4	773.7	358.6	130.3	124.3	145.9	203.3	208.4	193.3	199.4	217.9
77.5°	747.0	501.0	199.4	96.7	96.7	106.6	151.5	175.6	164.4	169.2	182.1
80°	412.1	255.0	99.7	63.4	65.2	73.4	110.5	126.4	126.9	138.5	142.0
82.5°	130.3	81.1	44.4	37.1	35.0	41.9	71.2	90.6	84.6	107.9	99.3
85°	29.8	19.0	8.2	8.2	9.1	13.8	27.2	48.3	61.7	74.2	53.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	19.0	28.0	25.0
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°	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4
2.5°	659.4	650.8	648.2	640.8	640.0	633.1	630.5	630.5	633.5	633.5	636.5
5°	616.2	605.4	599.4	590.8	588.6	583.4	580.0	580.4	584.3	586.9	592.1
7.5°	578.3	570.9	566.6	562.7	561.9	561.0	557.1	556.7	558.0	561.9	565.7
10°	562.3	557.1	558.4	561.4	566.2	568.8	565.3	563.6	562.3	564.9	568.3
12.5°	577.8	572.6	575.2	580.4	586.9	589.5	588.2	587.8	589.0	599.0	606.3
15°	611.9	602.0	598.5	600.7	605.9	608.5	607.2	608.9	617.1	643.0	661.5
17.5°	654.2	630.0	616.2	612.3	614.5	616.7	616.7	621.0	635.2	673.2	696.5
20°	677.1	645.6	622.3	612.8	613.6	615.8	615.8	621.8	637.8	678.4	693.5
22.5°	671.0	642.1	613.6	603.3	603.7	605.4	605.4	610.6	624.9	660.7	667.6
25°	647.3	621.8	593.8	584.7	585.6	588.6	587.8	590.8	601.6	630.9	634.8
27.5°	618.8	596.4	568.8	561.9	565.7	571.8	566.6	567.0	577.0	601.6	602.0
30°	588.2	569.6	545.0	539.9	547.2	550.2	545.5	545.5	555.4	572.2	571.8
32.5°	555.0	543.3	525.6	520.0	528.2	532.9	526.9	527.8	535.5	546.8	542.4
35°	523.9	517.8	509.6	505.8	510.9	515.3	511.4	513.1	520.4	523.5	517.4
37.5°	494.1	493.2	494.1	494.1	495.4	496.7	494.1	498.4	504.9	501.0	494.1
40°	468.2	471.7	479.9	477.7	476.4	477.7	476.0	483.3	489.8	482.9	474.7
42.5°	446.6	453.1	465.6	465.6	463.0	463.9	463.0	472.1	476.8	467.4	458.3
45°	428.1	437.6	453.5	455.7	451.4	451.4	453.1	464.3	466.1	453.1	443.6
47.5°	415.1	426.8	444.9	448.8	442.3	441.9	446.6	458.7	458.7	443.6	432.8
50°	406.1	419.0	440.6	445.8	439.3	437.6	445.3	457.0	454.4	436.3	425.5
52.5°	400.0	413.4	440.2	447.5	443.2	441.5	449.2	457.4	451.0	431.5	420.3
55°	396.1	410.8	441.5	447.5	442.8	439.7	447.5	454.8	451.4	428.9	418.2
57.5°	398.3	413.0	439.7	442.8	437.1	432.0	441.0	451.4	450.1	429.8	419.0
60°	394.9	408.2	430.2	431.1	421.6	413.4	426.8	442.3	442.3	426.8	417.3
62.5°	378.9	392.3	411.7	412.5	401.8	392.7	408.2	426.8	426.4	413.8	403.9
65°	352.6	365.1	387.1	389.2	378.5	369.0	384.9	402.2	403.5	392.3	383.6
67.5°	323.7	334.9	351.3	359.9	350.8	340.9	355.6	372.0	371.6	358.2	349.1
70°	289.1	299.5	314.6	321.9	316.3	306.8	320.2	328.8	324.9	318.5	312.4
72.5°	255.0	265.0	279.2	279.2	273.2	264.1	268.0	283.5	288.3	283.5	279.6
75°	219.2	227.9	237.8	239.9	226.6	210.2	228.3	241.7	247.3	245.1	240.4
77.5°	182.5	189.0	203.7	199.8	174.8	166.1	180.8	200.7	204.5	203.3	196.8
80°	140.7	144.6	160.1	152.3	132.9	127.3	133.8	149.3	150.2	145.9	137.7
82.5°	94.5	99.7	110.0	94.9	94.5	89.3	84.1	85.9	93.6	92.8	87.2
85°	48.3	50.9	60.8	57.0	48.8	42.3	40.1	42.7	38.4	35.0	30.2
87.5°	20.3	22.0	30.2	16.8	5.2	0.0	0.0	2.6	3.9	5.6	6.0
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°	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4
2.5°	643.4	648.2	659.8	674.5	688.7	703.4	719.4	729.3	741.4	756.9	757.3
5°	598.5	609.3	626.2	648.6	671.9	698.7	729.7	755.6	786.7	811.3	821.2
7.5°	570.9	586.5	607.6	636.1	666.7	700.0	740.5	784.1	835.0	867.8	887.2
10°	573.5	597.2	618.4	642.6	670.2	706.0	758.2	816.0	878.6	921.8	945.9
12.5°	619.7	644.7	640.8	639.5	658.1	701.7	772.4	848.4	924.8	967.9	996.8
15°	677.9	687.4	650.8	623.1	634.4	686.1	780.2	877.3	963.2	1015.8	1044.3
17.5°	707.7	688.7	644.3	602.9	599.8	662.4	784.1	906.7	1006.3	1059.0	1089.2
20°	693.9	666.3	628.7	589.5	567.9	630.0	781.9	930.0	1045.6	1104.3	1128.9
22.5°	664.1	640.0	610.6	573.1	542.0	594.7	776.3	953.3	1080.6	1139.7	1161.3
25°	631.8	613.6	589.5	556.7	527.3	563.6	772.4	984.3	1120.7	1177.2	1191.0
27.5°	599.4	586.0	566.2	540.7	523.9	542.0	773.7	1024.9	1172.5	1226.0	1220.4
30°	567.5	555.8	542.0	530.8	523.5	536.8	770.3	1068.1	1229.4	1279.1	1245.8
32.5°	537.3	526.5	517.8	519.6	523.9	539.0	752.6	1107.3	1281.7	1324.0	1273.5
35°	511.4	500.1	500.1	506.2	522.2	531.7	706.9	1138.0	1339.5	1381.8	1312.7
37.5°	487.2	477.3	483.8	493.7	508.8	511.8	648.2	1167.7	1423.6	1463.3	1373.6
40°	466.1	456.1	467.8	480.3	488.1	486.8	588.6	1209.2	1522.9	1563.9	1454.3
42.5°	449.2	440.2	450.5	466.5	467.8	469.1	545.0	1248.9	1638.1	1690.3	1593.2
45°	435.4	428.9	434.1	450.1	450.1	469.9	517.8	1282.1	1811.6	1903.9	1848.3
47.5°	424.6	420.7	423.3	428.5	437.1	485.5	500.6	1307.6	2127.5	2308.7	2252.6
50°	418.6	414.7	418.2	407.4	433.3	493.2	495.0	1327.0	2543.9	2827.9	2758.4
52.5°	413.4	412.1	414.3	389.2	441.9	488.1	490.7	1301.1	2823.1	3338.8	3407.4
55°	411.7	412.5	402.2	375.9	452.2	470.8	477.7	1116.0	2899.1	3779.4	4205.3
57.5°	412.5	410.0	383.6	377.2	452.7	436.3	496.3	796.2	2788.6	3971.0	4986.0
60°	409.5	396.6	361.2	388.8	432.8	395.7	482.9	519.1	2497.3	3823.8	5031.3
62.5°	396.1	377.2	341.8	395.3	397.4	371.6	438.4	400.0	2108.9	3508.8	4594.6
65°	376.7	351.3	325.4	381.9	361.6	360.3	329.7	320.6	1695.9	3133.8	4180.3
67.5°	344.8	319.3	313.3	351.3	325.4	319.3	265.0	265.8	1353.3	2734.2	3763.9
70°	308.5	283.1	287.8	317.6	289.6	265.4	214.5	221.4	1026.6	2278.1	3202.4
72.5°	284.8	250.7	251.2	279.6	254.6	214.9	176.5	182.5	651.6	1717.1	2546.1
75°	240.4	220.9	211.5	226.6	216.2	167.4	148.4	147.2	386.2	1230.7	1906.5
77.5°	200.7	185.6	180.8	186.9	161.4	123.9	119.5	117.4	218.8	788.4	1249.3
80°	145.4	141.5	141.1	144.1	124.3	91.1	91.1	91.5	117.8	428.1	704.3
82.5°	92.3	101.0	89.3	99.3	84.6	64.7	60.4	68.6	67.8	182.5	296.9
85°	38.4	52.6	49.2	52.2	40.1	35.4	38.0	41.0	39.3	70.3	115.7
87.5°	7.3	8.6	9.5	9.1	9.1	11.2	12.5	15.1	15.1	20.3	35.0
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°	358°	360°
0°	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4	703.4
2.5°	773.7	786.3	783.7	789.3	781.9	784.5	769.9	766.0	763.4	764.2
5°	853.1	878.6	883.4	892.8	886.4	886.4	860.5	841.1	834.2	829.0
7.5°	933.8	970.5	994.7	997.3	993.8	986.9	949.4	914.4	901.9	891.1
10°	1005.5	1049.5	1076.7	1089.6	1083.2	1072.4	1025.8	977.9	962.8	953.3
12.5°	1060.3	1099.1	1117.2	1125.9	1125.0	1121.1	1083.2	1031.4	1015.4	1000.7
15°	1095.7	1115.1	1108.2	1107.8	1113.8	1129.3	1117.7	1077.1	1058.6	1045.2
17.5°	1118.5	1100.0	1069.3	1055.1	1068.1	1104.7	1131.5	1108.6	1091.8	1077.1
20°	1126.7	1060.7	1016.3	989.9	1005.0	1058.1	1124.2	1131.5	1117.2	1105.2
22.5°	1117.2	1012.8	952.4	921.3	936.0	999.4	1102.6	1150.0	1140.5	1128.9
25°	1093.9	962.8	890.3	862.2	878.2	942.9	1064.2	1167.3	1167.7	1158.2
27.5°	1065.0	916.6	846.7	820.3	835.9	896.3	1026.6	1182.4	1197.5	1194.1
30°	1035.7	889.0	826.0	807.4	819.1	872.6	988.2	1197.9	1228.2	1234.2
32.5°	1022.3	902.3	874.7	882.9	867.8	886.4	974.4	1220.0	1265.3	1275.2
35°	1040.0	1021.0	1090.9	1123.3	1069.8	999.4	992.1	1253.2	1317.5	1332.2
37.5°	1125.9	1275.2	1379.6	1493.5	1400.8	1245.8	1079.7	1309.7	1392.1	1415.4
40°	1312.7	1497.0	1685.6	1832.7	1692.5	1484.1	1246.3	1393.9	1494.8	1516.0
42.5°	1488.8	1705.0	1964.8	2155.1	1973.0	1678.7	1425.8	1535.4	1630.3	1642.0
45°	1661.4	1909.1	2302.7	2567.2	2319.9	1863.8	1609.2	1774.5	1846.1	1846.5
47.5°	1863.8	2139.1	2726.4	3103.2	2780.4	2068.8	1781.4	2152.9	2252.6	2203.9
50°	2105.9	2367.8	3162.7	3726.7	3341.8	2320.8	2000.2	2614.2	2750.2	2694.9
52.5°	2430.0	2619.9	3643.5	4334.8	3953.7	2607.8	2317.3	3223.6	3268.5	3165.3
55°	2886.1	2983.6	4260.6	5085.6	4636.9	2961.2	2781.2	3988.3	3862.7	3567.1
57.5°	3924.8	3559.3	5052.9	5942.2	5409.7	3603.3	3797.9	4831.5	4384.8	3886.4
60°	4793.9	4258.4	5786.0	6792.4	6072.1	4311.0	4752.5	4978.2	4365.4	3851.0
62.5°	4500.9	4436.6	6050.6	6886.0	6298.3	4659.3	4575.1	4608.4	4080.6	3615.8
65°	3949.0	4092.7	5814.5	6442.0	6047.5	4347.3	4138.4	4266.6	3754.8	3286.6
67.5°	3623.2	3728.9	5394.6	5731.2	5591.8	4009.8	3798.8	3706.0	3249.0	2851.2
70°	3290.0	3377.6	4805.1	4839.2	4881.1	3448.8	3106.2	2830.0	2421.8	2143.4
72.5°	2843.0	2847.7	4059.9	3862.2	3941.6	2698.8	2500.3	2115.8	1762.8	1510.4
75°	2385.1	2254.8	3213.6	2699.7	2858.9	2099.4	2076.1	1594.5	1329.6	1122.4
77.5°	1818.5	1666.2	2347.6	1775.3	2007.9	1398.2	1560.9	1081.4	935.6	747.0
80°	1220.8	1125.9	1297.2	1002.0	1313.6	963.6	1018.0	612.8	531.2	412.1
82.5°	643.9	549.8	801.8	594.2	792.3	529.5	381.9	189.4	161.4	130.3
85°	249.4	288.7	393.1	211.5	307.3	189.0	110.5	47.0	39.3	29.8
87.5°	48.3	74.7	41.0	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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