

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: P631937

Luminaire Tested: GWS-SA2B-760-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631937
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-SA2B-760-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6525.6 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

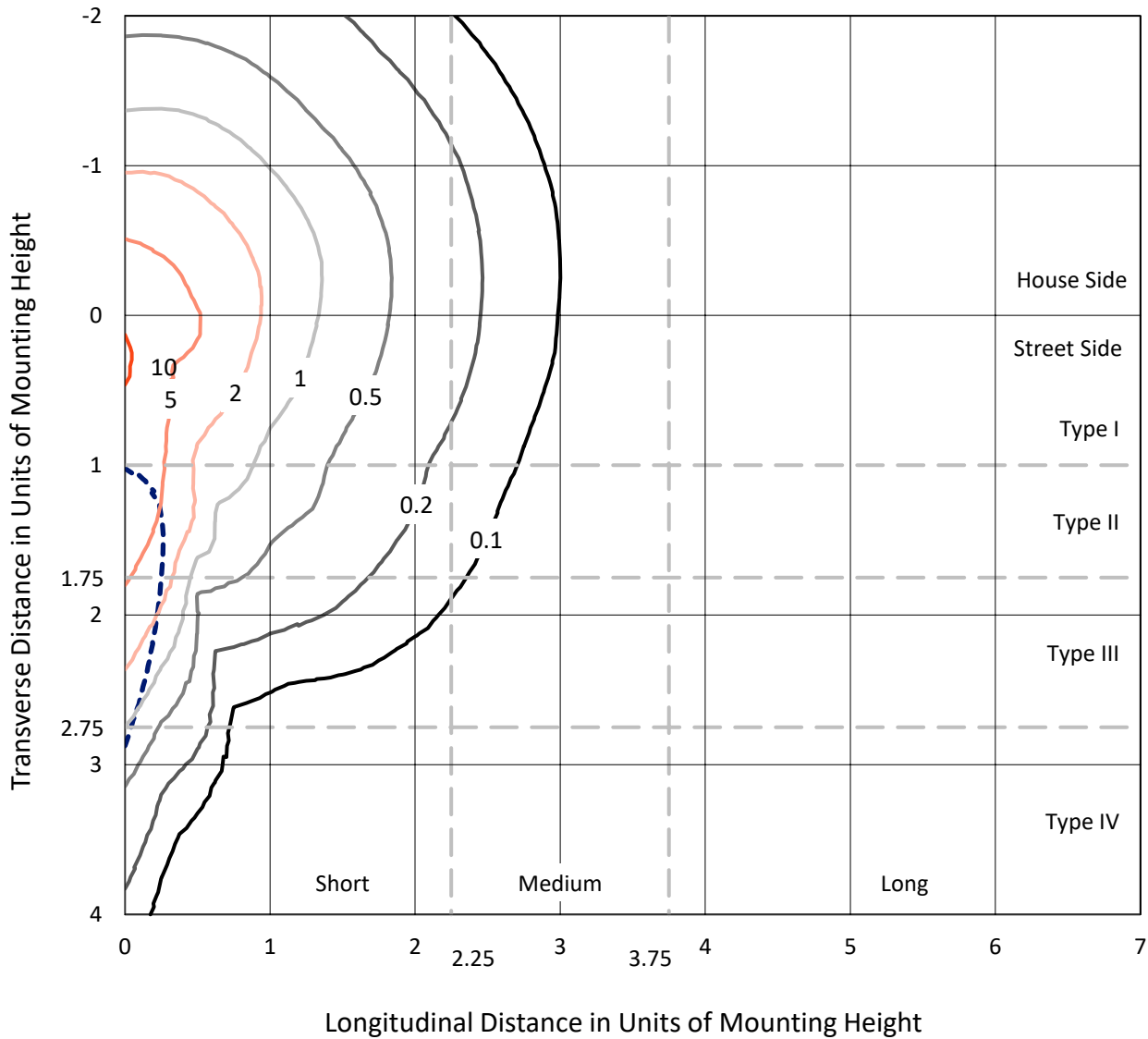
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

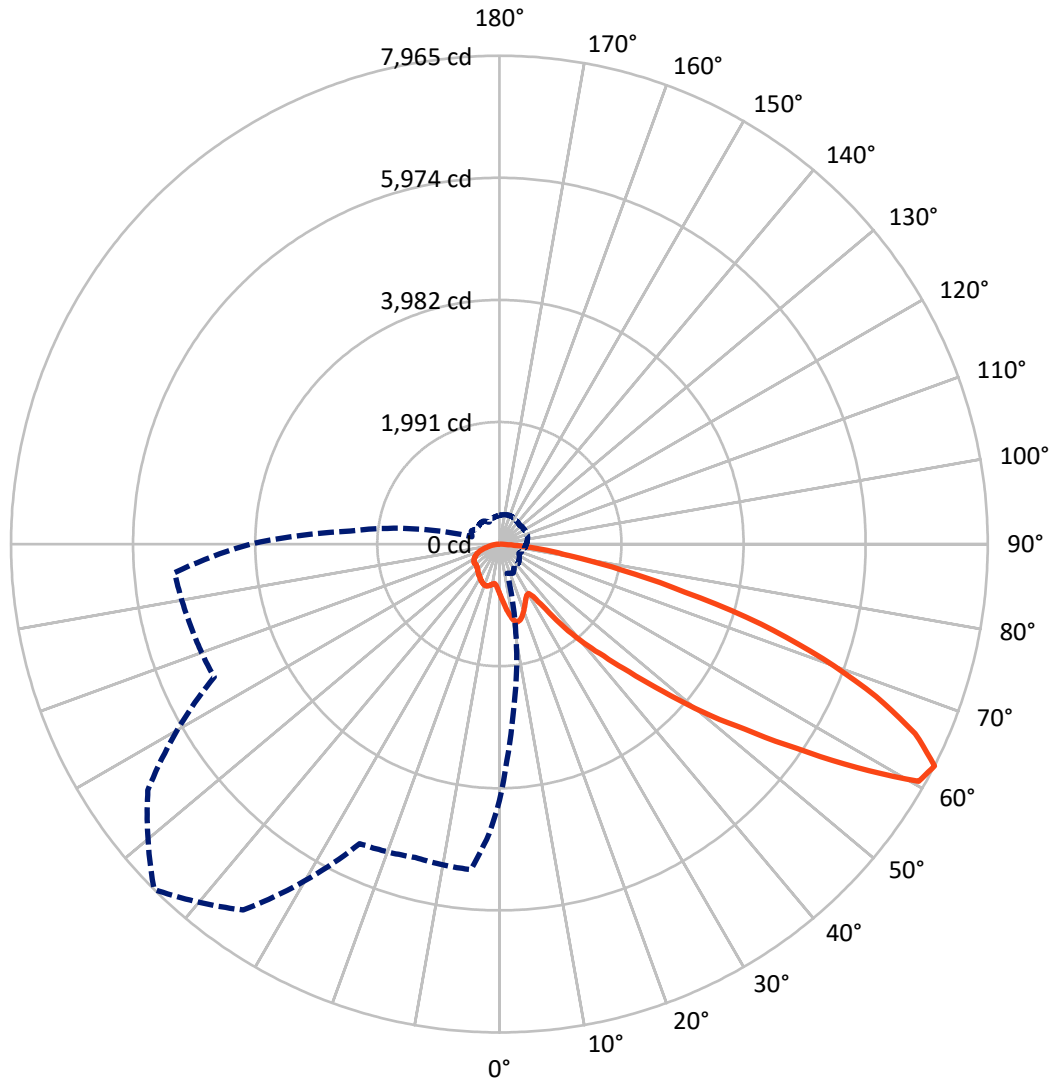
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 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
House Side	Lumens	1560.3	0.0	1560.3
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	4965.3	0.0	4965.3
	% Fixture	76.1	0.0	76.1
Total	Lumens	6525.6	0.0	6525.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.2
10°-20°	260.5	4.0
20°-30°	410.1	6.3
30°-40°	562.1	8.6
40°-50°	877.0	13.4
50°-60°	1512.2	23.2
60°-70°	1752.4	26.9
70°-80°	925.0	14.2
80°-90°	146.1	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°	6525.6	100.0
0°-180°	6525.6	100.0

Coefficient of Utilization



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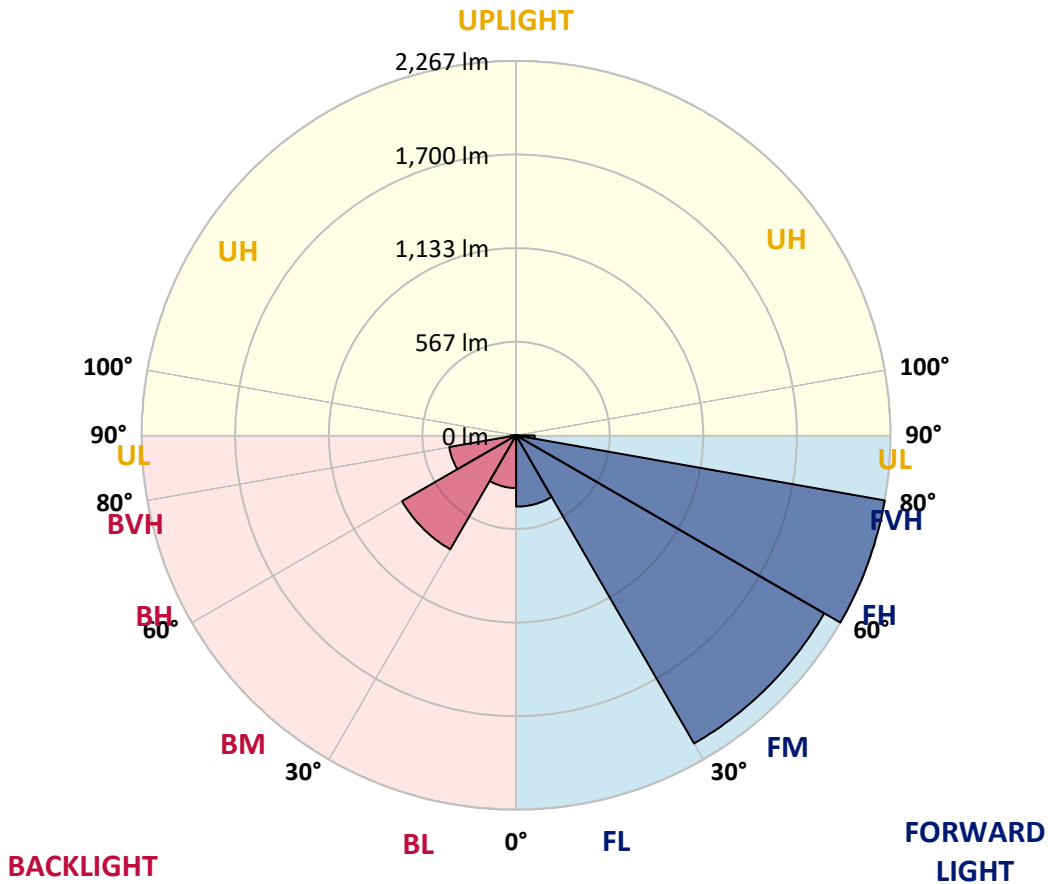
CATALOG NUMBER: GWS-SA2B-760-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	431.6	6.6			
FM (30°-60°)	2154.3	33.0			
FH (60°-80°)	2266.6	34.7			G2/5000
FVH (80°-90°)	112.8	1.7			G2/225
BL (0°-30°)	319.1	4.9	B1/500		
BM (30°-60°)	797.0	12.2	B1/1000		
BH (60°-80°)	410.8	6.3	B1/500		G1/500
BVH (80°-90°)	33.3	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°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6
2.5°	884.0	880.5	875.5	858.5	848.0	836.1	823.6	809.1	792.6	781.2	769.7
5°	958.9	953.4	941.4	901.0	873.0	842.6	817.1	788.2	759.7	740.2	720.8
7.5°	1030.7	1023.7	1005.3	943.4	898.0	854.0	815.6	773.7	731.2	702.3	679.3
10°	1102.6	1088.1	1064.7	983.8	923.9	873.0	829.1	777.7	721.3	681.8	657.4
12.5°	1157.5	1144.0	1118.6	1020.8	949.9	886.0	836.6	789.1	741.2	699.3	674.3
15°	1208.9	1191.5	1162.5	1055.2	971.3	885.5	821.6	780.2	773.2	762.7	730.2
17.5°	1245.9	1229.9	1199.9	1083.1	983.3	870.0	780.2	755.7	787.2	819.1	788.2
20°	1278.3	1259.8	1229.4	1102.6	985.8	835.6	729.8	730.2	779.7	823.6	816.1
22.5°	1305.8	1285.3	1258.3	1124.6	984.8	787.7	685.8	715.8	765.2	799.6	800.6
25°	1339.7	1322.7	1300.3	1157.0	984.8	738.7	653.9	698.3	740.7	769.7	768.7
27.5°	1381.1	1369.7	1351.2	1206.4	993.8	697.8	635.9	675.8	709.3	734.2	733.7
30°	1427.6	1417.1	1403.1	1258.8	1009.3	667.4	625.9	647.9	672.3	692.3	692.3
32.5°	1475.0	1471.0	1456.0	1300.8	997.3	657.9	617.4	619.9	632.9	649.4	647.9
35°	1540.9	1536.9	1517.9	1333.2	945.4	644.4	604.0	591.5	593.0	603.5	607.0
37.5°	1637.2	1631.2	1603.3	1371.2	867.0	610.5	582.0	561.5	557.0	561.5	568.0
40°	1753.5	1744.5	1706.6	1422.6	776.7	564.5	547.6	530.6	523.1	524.6	532.1
42.5°	1899.2	1880.3	1825.9	1477.0	687.3	524.1	509.1	498.6	490.2	489.2	503.6
45°	2135.8	2083.9	1997.6	1525.4	612.0	502.6	474.7	467.2	460.2	464.2	481.2
47.5°	2549.1	2453.3	2285.1	1566.8	566.0	503.1	447.2	439.2	438.7	446.7	465.7
50°	3117.2	2978.9	2719.3	1594.8	542.1	509.1	430.8	417.8	427.3	435.3	453.2
52.5°	3661.2	3450.1	3141.1	1594.3	531.6	510.1	435.3	397.8	427.3	429.3	446.2
55°	4125.9	3743.6	3254.9	1430.6	516.6	506.1	452.7	382.3	421.8	429.3	442.7
57.5°	4495.3	3930.3	3246.4	1155.5	562.0	484.2	463.2	378.9	405.8	430.3	445.7
60°	4454.4	3844.9	3037.3	709.3	557.5	445.2	461.7	385.3	378.9	416.8	442.2
62.5°	4182.3	3538.9	2677.4	492.2	523.6	422.8	437.3	396.8	353.9	397.3	425.3
65°	3801.5	3144.1	2231.2	377.4	433.8	423.8	395.8	388.8	331.9	366.4	396.3
67.5°	3297.9	2654.5	1761.5	299.0	302.5	366.9	359.4	345.4	311.5	338.9	365.9
70°	2479.3	1937.2	1211.9	240.6	229.1	306.5	322.9	310.5	291.5	299.5	327.9
72.5°	1747.0	1264.8	663.9	190.7	176.7	235.6	280.5	278.5	257.6	263.5	291.5
75°	1298.3	895.0	414.8	150.7	143.8	168.7	235.1	241.1	223.6	230.6	252.1
77.5°	864.0	579.5	230.6	111.8	111.8	123.3	175.2	203.2	190.2	195.7	210.6
80°	476.7	295.0	115.3	73.4	75.4	84.9	127.8	146.2	146.7	160.2	164.2
82.5°	150.7	93.8	51.4	42.9	40.4	48.4	82.4	104.8	97.8	124.8	114.8
85°	34.4	22.0	9.5	9.5	10.5	16.0	31.4	55.9	71.4	85.9	62.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	22.0	32.4	29.0
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°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6
2.5°	762.7	752.7	749.7	741.2	740.2	732.2	729.3	729.3	732.7	732.7	736.2
5°	712.8	700.3	693.3	683.3	680.8	674.8	670.9	671.4	675.8	678.8	684.8
7.5°	668.9	660.4	655.4	650.9	649.9	648.9	644.4	643.9	645.4	649.9	654.4
10°	650.4	644.4	645.9	649.4	654.9	657.9	653.9	651.9	650.4	653.4	657.4
12.5°	668.4	662.4	665.4	671.4	678.8	681.8	680.3	679.8	681.3	692.8	701.3
15°	707.8	696.3	692.3	694.8	700.8	703.8	702.3	704.3	713.8	743.7	765.2
17.5°	756.7	728.8	712.8	708.3	710.8	713.3	713.3	718.3	734.7	778.7	805.6
20°	783.2	746.7	719.8	708.8	709.8	712.3	712.3	719.3	737.7	784.7	802.1
22.5°	776.2	742.7	709.8	697.8	698.3	700.3	700.3	706.3	722.8	764.2	772.2
25°	748.7	719.3	686.8	676.3	677.3	680.8	679.8	683.3	695.8	729.8	734.2
27.5°	715.8	689.8	657.9	649.9	654.4	661.4	655.4	655.9	667.4	695.8	696.3
30°	680.3	658.9	630.4	624.4	632.9	636.4	630.9	630.9	642.4	661.9	661.4
32.5°	641.9	628.4	608.0	601.5	611.0	616.4	609.5	610.5	619.4	632.4	627.4
35°	606.0	599.0	589.5	585.0	591.0	596.0	591.5	593.5	602.0	605.5	598.5
37.5°	571.5	570.5	571.5	571.5	573.0	574.5	571.5	576.5	584.0	579.5	571.5
40°	541.6	545.6	555.0	552.6	551.1	552.6	550.6	559.0	566.5	558.5	549.1
42.5°	516.6	524.1	538.6	538.6	535.6	536.6	535.6	546.1	551.6	540.6	530.1
45°	495.2	506.1	524.6	527.1	522.1	522.1	524.1	537.1	539.1	524.1	513.1
47.5°	480.2	493.7	514.6	519.1	511.6	511.1	516.6	530.6	530.6	513.1	500.6
50°	469.7	484.7	509.6	515.6	508.1	506.1	515.1	528.6	525.6	504.6	492.2
52.5°	462.7	478.2	509.1	517.6	512.6	510.6	519.6	529.1	521.6	499.1	486.2
55°	458.2	475.2	510.6	517.6	512.1	508.6	517.6	526.1	522.1	496.2	483.7
57.5°	460.7	477.7	508.6	512.1	505.6	499.6	510.1	522.1	520.6	497.1	484.7
60°	456.7	472.2	497.6	498.6	487.7	478.2	493.7	511.6	511.6	493.7	482.7
62.5°	438.2	453.7	476.2	477.2	464.7	454.2	472.2	493.7	493.2	478.7	467.2
65°	407.8	422.3	447.7	450.2	437.8	426.8	445.2	465.2	466.7	453.7	443.7
67.5°	374.4	387.3	406.3	416.3	405.8	394.3	411.3	430.3	429.8	414.3	403.8
70°	334.4	346.4	363.9	372.4	365.9	354.9	370.4	380.3	375.9	368.4	361.4
72.5°	295.0	306.5	322.9	322.9	316.0	305.5	310.0	327.9	333.4	327.9	323.4
75°	253.6	263.5	275.0	277.5	262.1	243.1	264.0	279.5	286.0	283.5	278.0
77.5°	211.1	218.6	235.6	231.1	202.2	192.2	209.1	232.1	236.6	235.1	227.6
80°	162.7	167.2	185.2	176.2	153.7	147.2	154.7	172.7	173.7	168.7	159.2
82.5°	109.3	115.3	127.3	109.8	109.3	103.3	97.3	99.3	108.3	107.3	100.8
85°	55.9	58.9	70.4	65.9	56.4	48.9	46.4	49.4	44.4	40.4	34.9
87.5°	23.5	25.5	34.9	19.5	6.0	0.0	0.0	3.0	4.5	6.5	7.0
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°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6
2.5°	744.2	749.7	763.2	780.2	796.6	813.6	832.1	843.6	857.5	875.5	876.0
5°	692.3	704.8	724.3	750.2	777.2	808.1	844.1	874.0	909.9	938.4	949.9
7.5°	660.4	678.3	702.8	735.7	771.2	809.6	856.5	906.9	965.8	1003.8	1026.2
10°	663.4	690.8	715.3	743.2	775.2	816.6	877.0	943.9	1016.3	1066.2	1094.1
12.5°	716.8	745.7	741.2	739.7	761.2	811.6	893.5	981.3	1069.7	1119.6	1153.0
15°	784.2	795.1	752.7	720.8	733.7	793.6	902.5	1014.8	1114.1	1175.0	1207.9
17.5°	818.6	796.6	745.2	697.3	693.8	766.2	906.9	1048.7	1164.0	1224.9	1259.8
20°	802.6	770.7	727.3	681.8	656.9	728.8	904.5	1075.7	1209.4	1277.3	1305.8
22.5°	768.2	740.2	706.3	662.9	626.9	687.8	898.0	1102.6	1249.9	1318.2	1343.2
25°	730.7	709.8	681.8	643.9	610.0	651.9	893.5	1138.6	1296.3	1361.7	1377.6
27.5°	693.3	677.8	654.9	625.4	606.0	626.9	895.0	1185.5	1356.2	1418.1	1411.6
30°	656.4	642.9	626.9	613.9	605.5	620.9	891.0	1235.4	1422.1	1479.5	1441.0
32.5°	621.4	609.0	599.0	601.0	606.0	623.4	870.5	1280.8	1482.5	1531.4	1473.0
35°	591.5	578.5	578.5	585.5	604.0	614.9	817.6	1316.2	1549.3	1598.3	1518.4
37.5°	563.5	552.1	559.5	571.0	588.5	592.0	749.7	1350.7	1646.7	1692.6	1588.8
40°	539.1	527.6	541.1	555.5	564.5	563.0	680.8	1398.6	1761.5	1808.9	1682.1
42.5°	519.6	509.1	521.1	539.6	541.1	542.6	630.4	1444.5	1894.8	1955.2	1842.8
45°	503.6	496.2	502.1	520.6	520.6	543.6	599.0	1483.0	2095.4	2202.2	2137.8
47.5°	491.2	486.7	489.7	495.7	505.6	561.5	579.0	1512.4	2460.8	2670.4	2605.5
50°	484.2	479.7	483.7	471.2	501.1	570.5	572.5	1534.9	2942.5	3270.9	3190.5
52.5°	478.2	476.7	479.2	450.2	511.1	564.5	567.5	1504.9	3265.4	3861.9	3941.3
55°	476.2	477.2	465.2	434.8	523.1	544.6	552.6	1290.8	3353.3	4371.5	4864.2
57.5°	477.2	474.2	443.7	436.3	523.6	504.6	574.0	920.9	3225.5	4593.1	5767.1
60°	473.7	458.7	417.8	449.7	500.6	457.7	558.5	600.5	2888.6	4422.9	5819.5
62.5°	458.2	436.3	395.3	457.2	459.7	429.8	507.1	462.7	2439.3	4058.6	5314.4
65°	435.8	406.3	376.4	441.7	418.3	416.8	381.3	370.9	1961.6	3624.8	4835.2
67.5°	398.8	369.4	362.4	406.3	376.4	369.4	306.5	307.5	1565.3	3162.6	4353.5
70°	356.9	327.4	332.9	367.4	334.9	307.0	248.1	256.1	1187.5	2635.0	3704.2
72.5°	329.4	290.0	290.5	323.4	294.5	248.6	204.2	211.1	753.7	1986.1	2945.0
75°	278.0	255.6	244.6	262.1	250.1	193.7	171.7	170.2	446.7	1423.6	2205.2
77.5°	232.1	214.6	209.1	216.1	186.7	143.3	138.3	135.8	253.1	911.9	1445.0
80°	168.2	163.7	163.2	166.7	143.8	105.3	105.3	105.8	136.3	495.2	814.6
82.5°	106.8	116.8	103.3	114.8	97.8	74.9	69.9	79.4	78.4	211.1	343.4
85°	44.4	60.9	56.9	60.4	46.4	40.9	43.9	47.4	45.4	81.4	133.8
87.5°	8.5	10.0	11.0	10.5	10.5	13.0	14.5	17.5	17.5	23.5	40.4
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°	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6	813.6
2.5°	895.0	909.4	906.4	912.9	904.5	907.4	890.5	886.0	883.0	884.0
5°	986.8	1016.3	1021.8	1032.7	1025.2	1025.2	995.3	972.8	964.8	958.9
7.5°	1080.2	1122.6	1150.5	1153.5	1149.5	1141.5	1098.1	1057.7	1043.2	1030.7
10°	1163.0	1213.9	1245.4	1260.3	1252.9	1240.4	1186.5	1131.1	1113.6	1102.6
12.5°	1226.4	1271.3	1292.3	1302.3	1301.3	1296.8	1252.9	1193.0	1174.5	1157.5
15°	1267.3	1289.8	1281.8	1281.3	1288.3	1306.3	1292.8	1245.9	1224.4	1208.9
17.5°	1293.8	1272.3	1236.9	1220.4	1235.4	1277.8	1308.8	1282.3	1262.8	1245.9
20°	1303.3	1226.9	1175.5	1145.0	1162.5	1223.9	1300.3	1308.8	1292.3	1278.3
22.5°	1292.3	1171.5	1101.6	1065.7	1082.6	1156.0	1275.3	1330.2	1319.2	1305.8
25°	1265.3	1113.6	1029.7	997.3	1015.8	1090.6	1230.9	1350.2	1350.7	1339.7
27.5°	1231.9	1060.2	979.3	948.9	966.8	1036.7	1187.5	1367.7	1385.1	1381.1
30°	1197.9	1028.2	955.4	933.9	947.4	1009.3	1143.0	1385.6	1420.6	1427.6
32.5°	1182.5	1043.7	1011.8	1021.3	1003.8	1025.2	1127.1	1411.1	1463.5	1475.0
35°	1202.9	1181.0	1261.8	1299.3	1237.4	1156.0	1147.5	1449.5	1523.9	1540.9
37.5°	1302.3	1475.0	1595.8	1727.5	1620.2	1441.0	1248.9	1514.9	1610.2	1637.2
40°	1518.4	1731.5	1949.7	2119.9	1957.6	1716.6	1441.5	1612.2	1729.0	1753.5
42.5°	1722.1	1972.1	2272.6	2492.7	2282.1	1941.7	1649.2	1776.0	1885.8	1899.2
45°	1921.7	2208.2	2663.4	2969.4	2683.4	2155.8	1861.3	2052.5	2135.3	2135.8
47.5°	2155.8	2474.3	3153.6	3589.4	3216.0	2392.9	2060.5	2490.2	2605.5	2549.1
50°	2435.8	2738.8	3658.2	4310.6	3865.4	2684.4	2313.5	3023.8	3181.1	3117.2
52.5°	2810.7	3030.3	4214.3	5013.9	4573.2	3016.3	2680.4	3728.6	3780.5	3661.2
55°	3338.3	3451.1	4928.1	5882.4	5363.3	3425.1	3217.0	4613.1	4467.9	4125.9
57.5°	4539.7	4117.0	5844.5	6873.2	6257.3	4167.9	4393.0	5588.4	5071.8	4495.3
60°	5545.0	4925.6	6692.5	7856.6	7023.5	4986.5	5497.1	5758.1	5049.4	4454.4
62.5°	5206.1	5131.7	6998.5	7964.9	7285.0	5389.3	5291.9	5330.4	4719.9	4182.3
65°	4567.7	4733.9	6725.5	7451.2	6995.0	5028.4	4786.8	4935.1	4343.1	3801.5
67.5°	4190.8	4313.1	6239.8	6629.2	6467.9	4638.1	4394.0	4286.7	3758.1	3297.9
70°	3805.5	3906.8	5558.0	5597.4	5645.8	3989.2	3592.8	3273.4	2801.2	2479.3
72.5°	3288.4	3293.9	4696.0	4467.4	4559.2	3121.7	2892.0	2447.3	2039.0	1747.0
75°	2758.8	2608.0	3717.1	3122.7	3306.8	2428.3	2401.4	1844.3	1537.9	1298.3
77.5°	2103.4	1927.2	2715.4	2053.5	2322.5	1617.2	1805.4	1250.9	1082.1	864.0
80°	1412.1	1302.3	1500.4	1159.0	1519.4	1114.6	1177.5	708.8	614.4	476.7
82.5°	744.7	635.9	927.4	687.3	916.4	612.5	441.7	219.1	186.7	150.7
85°	288.5	333.9	454.7	244.6	355.4	218.6	127.8	54.4	45.4	34.4
87.5°	55.9	86.4	47.4	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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