Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled data based on original data using

LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P1202635

Luminaire Tested: GWC-SB2A-735-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202635
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2A-735-U-T2
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8887 lumens
Efficiency:	N/A
Efficacy:	155.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

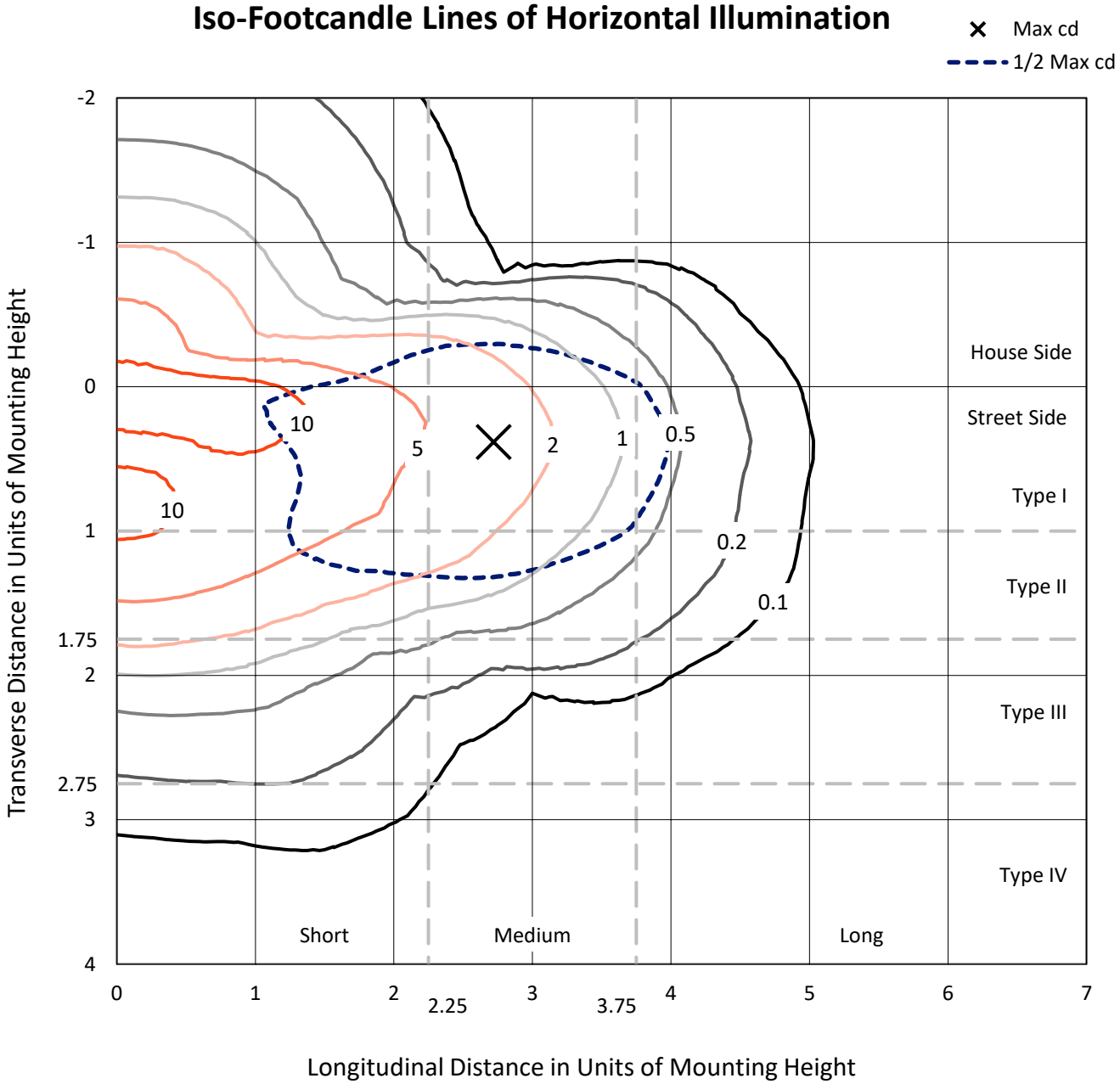


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Iso-Footcandle Lines of Horizontal Illumination



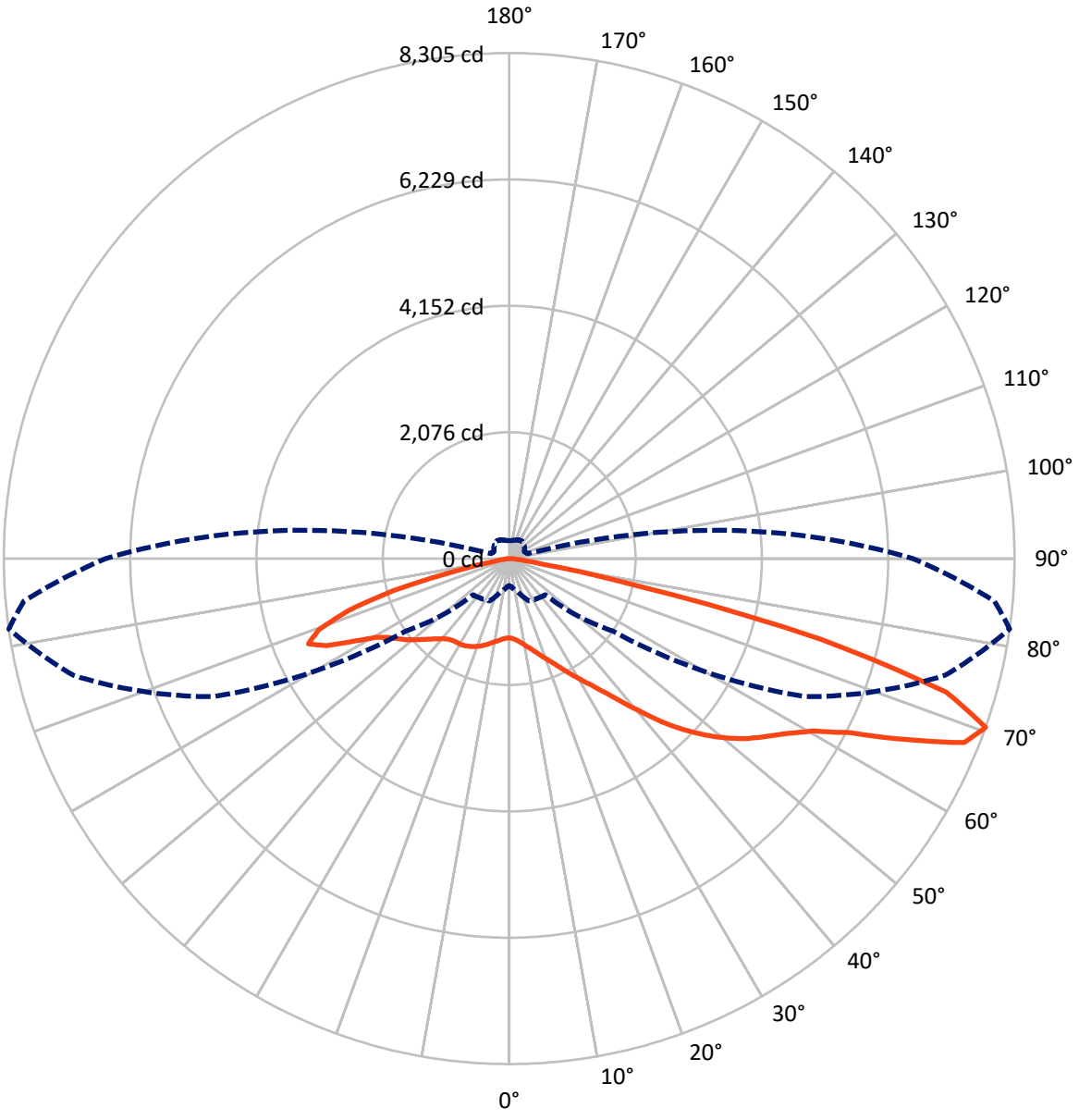
Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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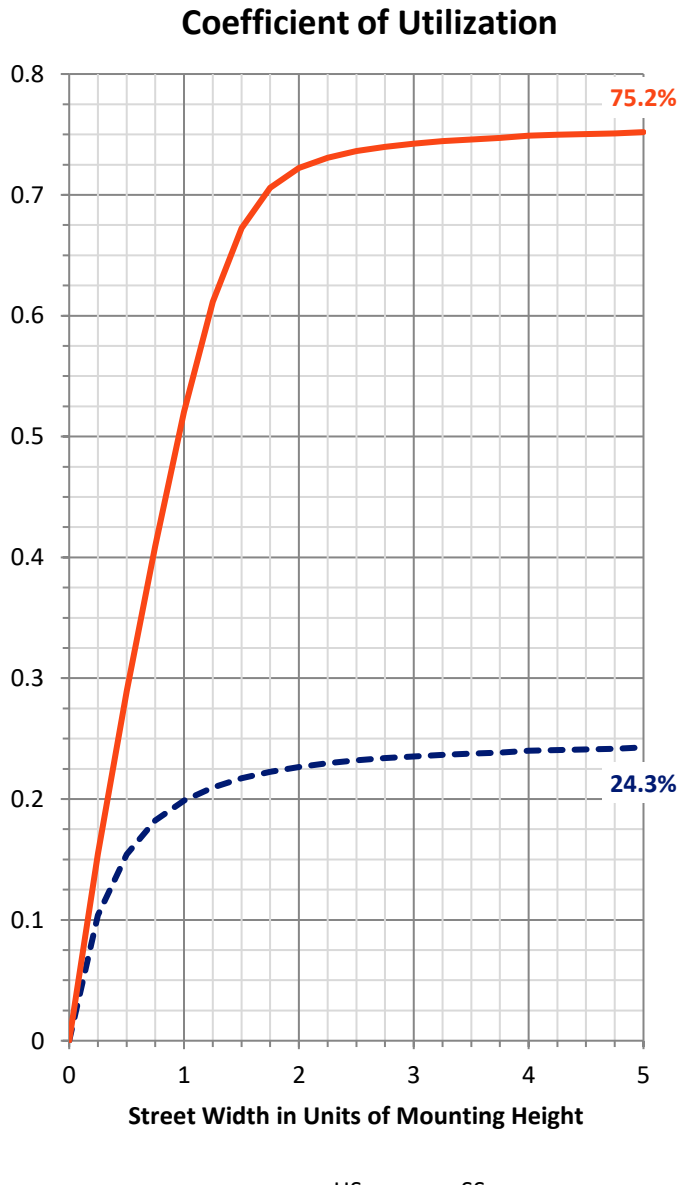
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2190.9	0.0	2190.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6696.1	0.0	6696.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	8887.0	0.0	8887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.0	1.4
10°-20°	353.4	4.0
20°-30°	591.3	6.7
30°-40°	923.7	10.4
40°-50°	1471.1	16.6
50°-60°	2047.3	23.0
60°-70°	2141.6	24.1
70°-80°	1119.3	12.6
80°-90°	116.2	1.3
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°	8887.0	100.0
0°-180°	8887.0	100.0



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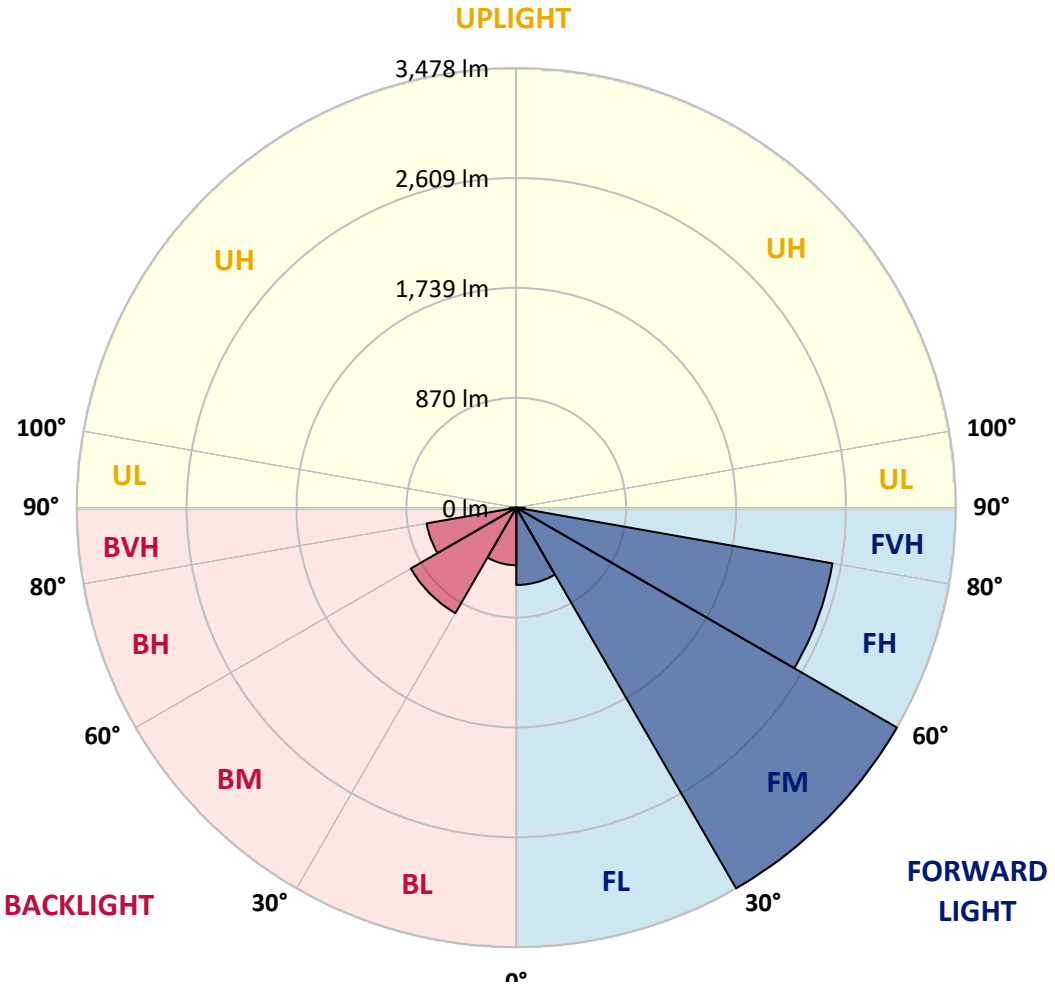
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	612.0	6.9			
FM	(30°-60°)	3478.3	39.1			
FH	(60°-80°)	2540.8	28.6			G2/5000
FVH	(80°-90°)	65.1	0.7			G1/100
BL	(0°-30°)	455.8	5.1	B1/500		
BM	(30°-60°)	963.9	10.8	B1/1000		
BH	(60°-80°)	720.0	8.1	B2/1000		G2/1000
BVH	(80°-90°)	51.2	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	*1302.9*	1302.9
2.5°	1334.1	1341.6	1339.3	1336.9	1336.9	1333.6	1333.1	1328.4	1324.6	*1318.5*	1317.1
5°	1351.0	1359.1	1358.1	1360.0	1366.1	1367.6	1369.0	1366.1	1358.6	*1351.0*	1347.7
7.5°	1336.0	1344.9	1347.7	1359.1	1377.9	1394.9	1407.6	1412.8	1405.7	*1394.9*	1389.7
10°	1285.0	1294.9	1304.8	1331.7	1365.2	1405.3	1439.2	1459.5	1458.1	*1447.7*	1438.8
12.5°	1181.8	1192.1	1213.3	1265.7	1327.0	1397.7	1460.9	1503.4	1518.0	*1510.4*	1494.9
15°	1099.2	1108.2	1124.2	1178.0	1257.7	1365.2	1468.9	1551.5	1588.7	*1584.5*	1565.6
17.5°	1096.9	1100.6	1110.5	1136.0	1197.3	1314.3	1460.4	1598.6	1669.8	*1669.4*	1645.8
20°	1138.4	1139.8	1145.4	1150.6	1185.5	1275.6	1438.8	1637.8	1760.8	*1760.8*	1735.4
22.5°	1195.9	1195.0	1200.6	1195.9	1212.9	1272.3	1425.1	1672.2	1862.2	*1869.8*	1837.7
25°	1282.2	1277.5	1276.1	1265.2	1268.5	1302.9	1440.2	1711.3	1982.5	*1998.0*	1958.0
27.5°	1397.3	1389.7	1384.5	1359.5	1351.0	1366.1	1486.4	1758.5	2116.4	*2143.3*	2092.4
30°	1547.2	1533.5	1526.0	1482.6	1452.0	1454.3	1556.2	1821.2	2256.5	*2299.8*	2235.2
32.5°	1751.9	1730.7	1710.4	1639.2	1583.1	1564.7	1646.2	1908.0	2408.3	*2477.6*	2394.6
35°	1981.1	1964.1	1942.4	1832.5	1746.2	1703.8	1767.9	2029.2	2586.1	*2696.0*	2588.0
37.5°	2201.8	2187.1	2197.5	2049.4	1938.1	1876.4	1927.3	2191.9	2805.4	*2967.6*	2830.4
40°	2430.0	2418.7	2420.1	2278.6	2148.9	2079.6	2120.6	2396.0	3056.7	*3290.6*	3121.8
42.5°	2678.0	2669.6	2641.3	2515.8	2370.1	2305.5	2343.2	2631.8	3326.4	*3658.4*	3441.5
45°	2955.8	2950.6	2924.2	2780.4	2613.4	2540.8	2591.7	2892.1	3597.6	*4004.6*	3762.6
47.5°	3195.8	3200.1	3196.8	3075.6	2902.5	2795.9	2856.8	3163.8	3849.9	*4329.9*	4070.6
50°	3311.4	3333.5	3366.1	3328.3	3220.8	3112.4	3124.1	3425.9	4090.4	*4635.1*	4365.8
52.5°	3251.0	3293.0	3381.6	3442.0	3483.5	3460.8	3429.3	3686.3	4316.7	*4910.4*	4645.0
55°	3026.1	3085.0	3232.1	3377.8	3589.6	3754.2	3795.7	3974.9	4537.4	*5152.8*	4909.0
57.5°	2616.3	2712.0	2844.0	3138.8	3495.3	3896.1	4222.9	4375.2	4771.3	*5411.7*	5185.4
60°	1913.6	2041.9	2206.0	2644.6	3165.2	3820.2	4586.5	4990.1	5103.8	*5747.0*	5545.2
62.5°	1224.7	1303.9	1454.8	1867.9	2466.3	3431.1	4697.8	5758.8	5667.3	*6296.9*	6084.7
65°	838.4	889.4	1027.5	1259.6	1594.4	2554.0	4399.7	6335.1	6562.4	*7168.3*	7007.0
67.5°	609.3	647.9	765.8	969.1	1038.9	1511.4	3414.2	6308.7	7432.4	*8066.2*	7815.3
70°	*444.2*	*471.6*	*570.6*	*765.8*	*799.3*	*840.8*	*2068.3*	*5362.7*	*7413.5*	*8304.8*	*8004.4*
72.5°	329.2	348.0	414.5	594.2	647.0	567.8	1023.8	3897.5	6370.4	*7511.6*	7270.7
75°	238.1	252.3	301.3	454.6	517.8	432.4	510.7	2277.7	4443.6	*5283.9*	5326.4
77.5°	182.0	192.9	224.9	332.9	414.5	324.4	316.9	1047.8	2107.0	*2117.3*	2236.2
80°	146.2	153.3	170.7	234.4	317.8	242.9	206.5	423.0	665.9	*563.5*	591.3
82.5°	107.5	119.3	144.3	164.6	227.3	167.4	125.9	213.6	253.2	*217.9*	219.8
85°	61.3	69.3	87.2	117.9	145.2	102.3	72.2	94.8	117.9	*96.7*	86.3
87.5°	21.7	28.3	30.7	46.2	63.2	42.4	27.8	27.4	38.7	*28.8*	24.1
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°	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9	1302.9
2.5°	1312.4	1310.0	1300.6	1287.9	1274.7	1261.9	1257.7	1248.7	1242.6	1239.3	1243.1
5°	1338.8	1331.2	1309.1	1280.8	1251.1	1219.0	1196.4	1175.6	1160.5	1146.4	1152.0
7.5°	1376.5	1363.3	1325.1	1275.6	1222.8	1169.5	1129.9	1099.7	1079.4	1066.2	1069.0
10°	1420.4	1400.1	1341.6	1267.6	1186.0	1109.6	1062.9	1037.0	1024.2	1017.2	1019.1
12.5°	1470.8	1442.1	1358.6	1249.2	1129.9	1042.6	1010.6	1003.0	1003.5	1004.0	1004.9
15°	1533.1	1493.0	1372.3	1209.1	1056.8	991.2	985.6	997.8	1010.6	1016.7	1016.2
17.5°	1603.3	1546.7	1374.6	1143.1	985.1	958.2	976.1	1002.6	1021.9	1030.4	1032.3
20°	1678.8	1601.4	1357.6	1049.7	926.2	931.3	963.4	997.4	1018.6	1029.4	1032.3
22.5°	1765.1	1659.9	1317.1	951.6	878.1	902.1	939.8	972.8	995.0	1005.9	1008.7
25°	1863.6	1725.5	1253.4	869.1	836.6	869.1	906.8	934.2	952.1	962.0	964.8
27.5°	1973.0	1793.8	1168.5	803.6	800.3	835.1	866.3	887.5	896.9	904.5	907.3
30°	2082.9	1856.1	1065.7	754.0	768.7	801.7	823.8	833.3	836.1	837.5	840.8
32.5°	2201.8	1909.9	957.8	713.0	738.5	769.1	782.3	786.6	773.4	764.4	767.2
35°	2345.6	1967.4	852.1	680.5	708.8	735.2	739.4	735.6	720.1	701.7	702.6
37.5°	2523.4	2039.1	767.7	657.4	680.9	698.4	693.2	692.3	693.7	672.0	673.4
40°	2741.2	2132.4	705.9	639.4	658.3	662.1	647.5	655.5	662.6	629.5	630.5
42.5°	2983.1	2245.1	666.8	627.2	639.4	630.5	607.9	616.8	615.9	572.5	572.0
45°	3229.8	2367.7	653.1	618.2	622.0	604.1	579.1	581.4	561.6	522.5	523.9
47.5°	3475.0	2499.3	661.6	610.7	600.3	580.0	560.7	550.3	521.1	491.8	491.8
50°	3715.5	2637.5	692.7	595.6	570.6	558.8	544.7	526.3	495.1	470.2	468.3
52.5°	3938.5	2776.6	727.6	570.6	533.3	540.4	531.5	510.2	479.6	454.1	454.6
55°	4149.8	2915.7	741.3	536.2	498.4	524.4	519.2	480.1	443.3	422.5	420.6
57.5°	4379.9	3083.1	726.2	492.3	470.2	506.0	486.2	442.8	421.6	406.0	404.6
60°	4698.7	3345.8	693.7	438.1	443.3	478.6	444.7	426.8	403.7	386.2	385.3
62.5°	5228.3	3835.7	641.3	384.3	411.7	438.1	424.9	407.0	383.4	366.4	366.4
65°	6011.1	4516.7	542.8	342.4	376.3	398.5	403.7	385.7	361.2	343.3	344.2
67.5°	6671.3	4943.9	410.7	307.5	340.0	366.4	381.0	363.6	337.6	320.2	320.7
70°	*6635.0*	*4633.6*	*313.6*	*273.0*	*307.9*	*334.8*	*353.7*	*340.0*	*312.2*	*295.7*	*297.1*
72.5°	5893.2	3876.3	253.7	238.1	275.4	301.8	324.4	314.1	285.8	269.7	269.7
75°	4329.5	2751.6	202.8	202.8	234.8	267.4	292.4	285.8	259.8	248.5	245.2
77.5°	1825.0	1154.4	158.9	168.4	195.2	229.7	260.8	263.1	240.5	254.6	231.1
80°	485.2	318.3	121.2	132.5	153.3	189.6	226.8	225.9	201.4	188.2	175.0
82.5°	184.9	125.4	86.3	93.4	110.8	145.2	179.7	185.3	160.8	139.1	139.1
85°	71.2	53.8	53.3	56.1	64.6	96.2	135.8	140.5	121.2	102.8	106.1
87.5°	18.4	16.0	19.8	18.9	29.7	51.4	77.8	80.6	74.0	42.9	61.3
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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SS

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(END OF REPORT)