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

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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: P1203088

Luminaire Tested: GWC-SB2B-827-U-SL3-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203088
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-13)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-SL3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7884 lumens
Efficiency:	N/A
Efficacy:	106.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

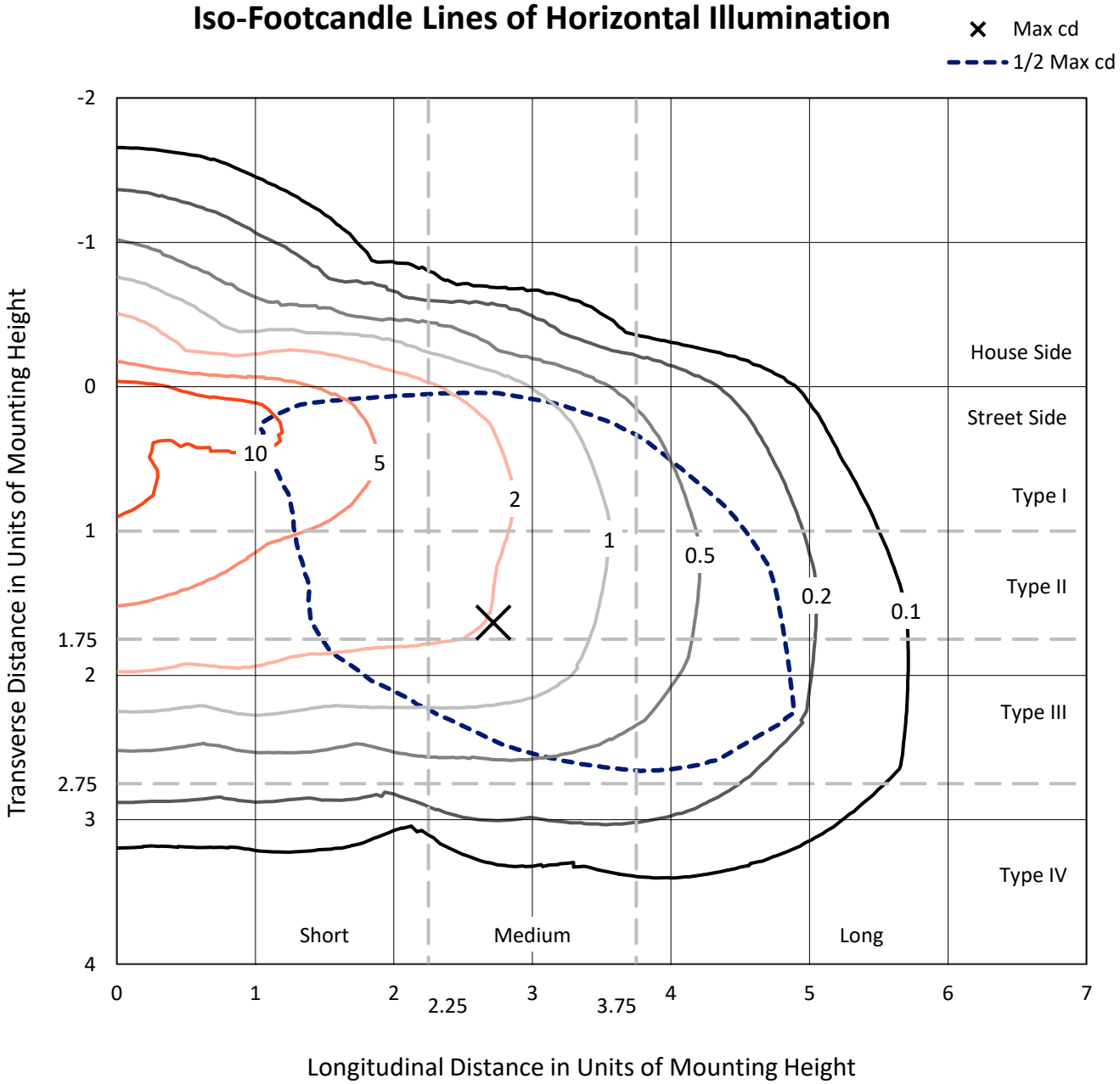


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Iso-Footcandle Lines of Horizontal Illumination



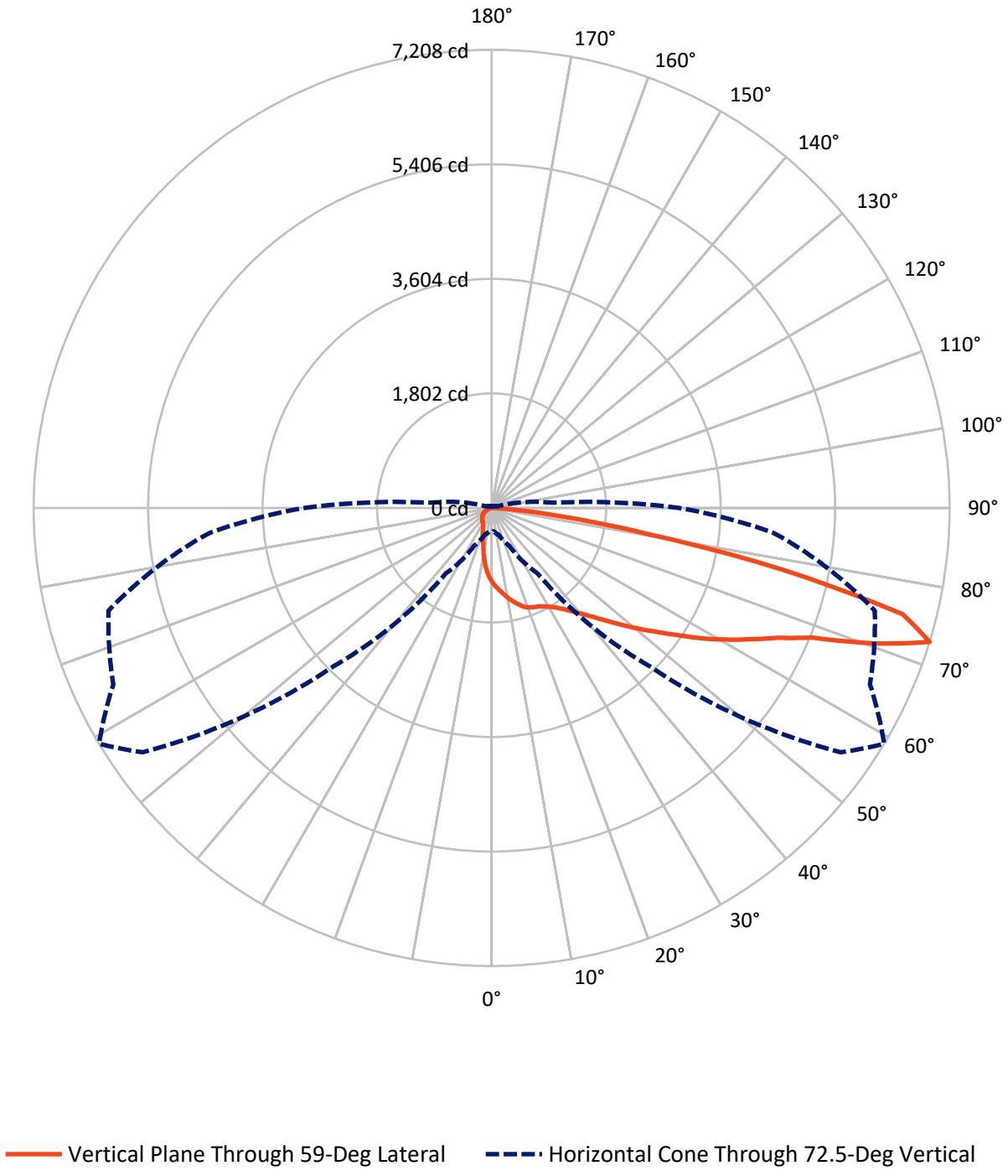
Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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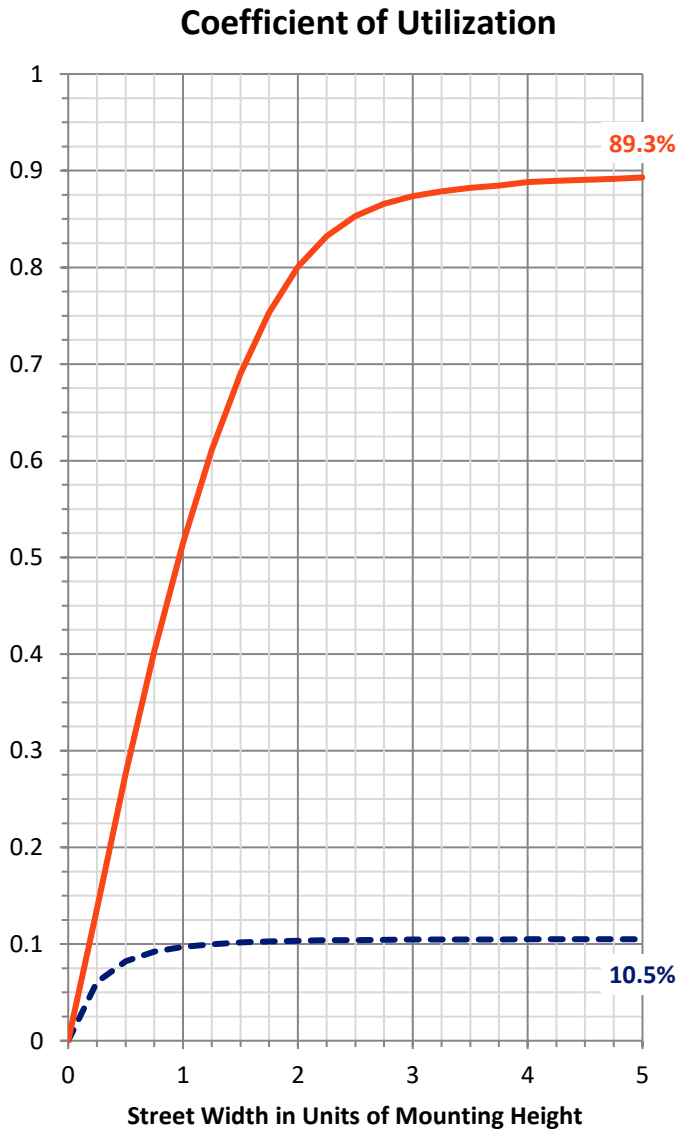
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	832.7	0.0	832.7
	% Fixture	10.6	0.0	10.6
Street Side	Lumens	7051.3	0.0	7051.3
	% Fixture	89.4	0.0	89.4
Total	Lumens	7884.0	0.0	7884.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.5	1.3
10°-20°	280.2	3.6
20°-30°	444.0	5.6
30°-40°	712.6	9.0
40°-50°	1138.1	14.4
50°-60°	1647.9	20.9
60°-70°	1955.6	24.8
70°-80°	1451.7	18.4
80°-90°	148.4	1.9
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°	7884.0	100.0
0°-180°	7884.0	100.0



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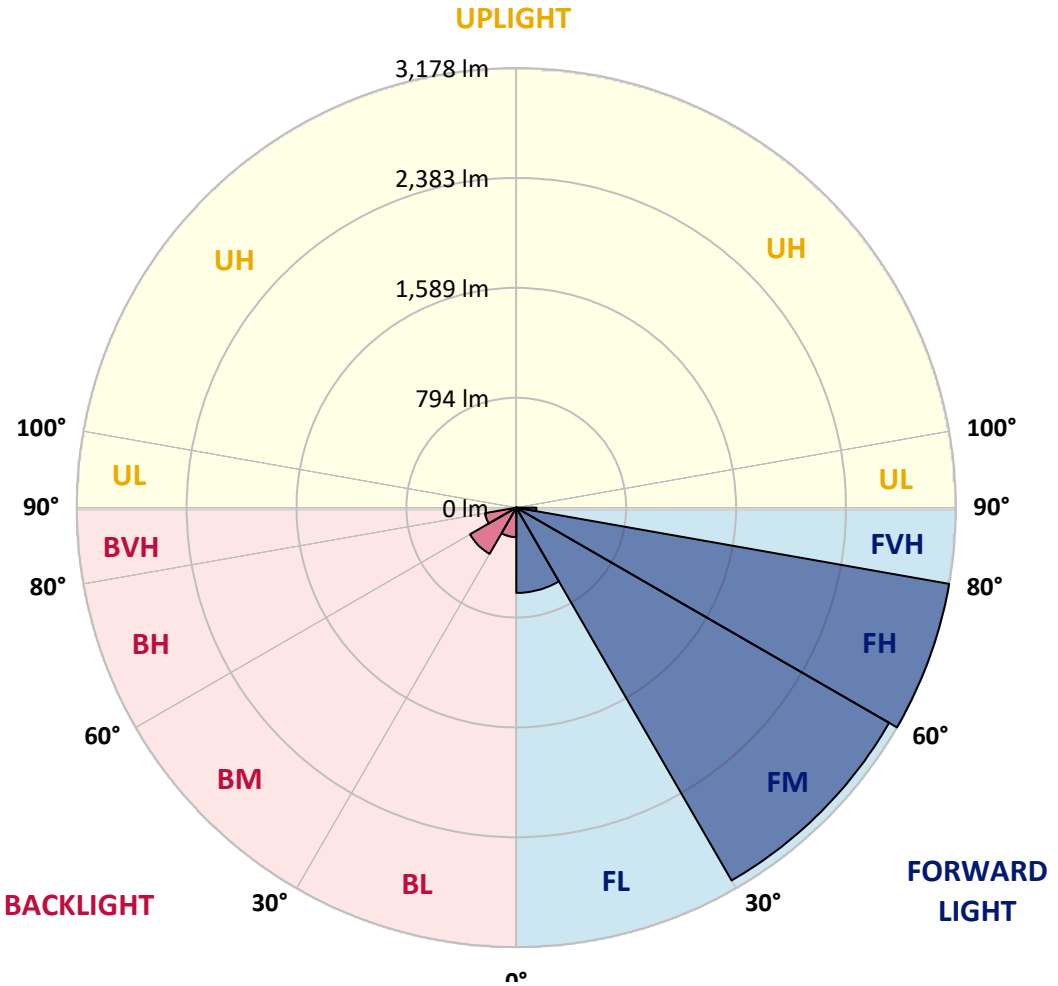
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	616.4	7.8			
FM	(30°-60°)	3112.5	39.5			
FH	(60°-80°)	3177.7	40.3			G2/5000
FVH	(80°-90°)	144.7	1.8			G2/225
BL	(0°-30°)	213.3	2.7	B1/500		
BM	(30°-60°)	386.1	4.9	B1/1000		
BH	(60°-80°)	229.6	2.9	B1/500		G1/500
BVH	(80°-90°)	3.7	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-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	*1165.9*	1165.9	1165.9	1165.9
2.5°	1293.5	1286.3	1287.3	1275.0	1266.2	1257.0	1238.9	*1236.4*	1223.5	1200.9	1177.7
5°	1406.2	1401.6	1397.5	1383.6	1365.6	1342.9	1312.6	*1301.7*	1278.1	1238.9	1193.7
7.5°	1488.6	1482.9	1485.0	1471.1	1456.7	1431.5	1389.8	*1369.7*	1338.3	1278.6	1210.1
10°	1504.5	1501.5	1514.8	1520.0	1520.0	1504.0	1463.4	*1443.3*	1397.5	1321.3	1227.1
12.5°	1415.0	1415.5	1449.0	1489.1	1541.6	1556.5	1529.3	*1507.6*	1462.3	1366.6	1248.7
15°	1310.5	1311.0	1343.4	1394.9	1480.9	1566.8	1588.4	*1574.5*	1527.7	1415.5	1273.9
17.5°	1247.7	1245.1	1266.7	1308.9	1399.0	1520.0	1624.5	*1633.7*	1595.7	1469.5	1301.7
20°	1238.9	1234.3	1245.6	1266.7	1331.1	1461.3	1628.6	*1672.3*	1665.7	1530.8	1333.7
22.5°	1292.5	1285.3	1279.1	1280.1	1307.4	1412.4	1618.3	*1694.0*	1737.7	1604.4	1377.4
25°	1398.5	1387.2	1367.1	1341.4	1335.7	1402.1	1611.1	*1717.6*	1804.6	1698.6	1435.1
27.5°	1528.2	1512.3	1473.7	1435.1	1402.1	1430.9	1626.0	*1755.2*	1880.3	1808.2	1502.0
30°	1670.8	1651.2	1612.6	1539.5	1487.0	1495.3	1661.5	*1804.6*	1977.1	1932.3	1585.9
32.5°	1880.3	1835.0	1767.6	1655.9	1586.4	1564.8	1715.1	*1867.4*	2097.0	2097.5	1707.3
35°	2059.9	2034.7	1966.8	1827.8	1685.2	1656.9	1785.6	*1956.0*	2263.3	2316.3	1877.2
37.5°	2177.8	2143.3	2083.6	1979.1	1838.6	1751.6	1879.8	*2064.6*	2439.3	2565.4	2086.7
40°	2309.6	2275.6	2196.3	2098.0	2016.7	1914.3	1998.7	*2189.6*	2632.3	2821.2	2326.0
42.5°	2468.6	2424.4	2330.7	2224.6	2139.7	2128.4	2154.1	*2345.6*	2830.5	3099.2	2575.2
45°	2655.5	2613.8	2506.2	2372.4	2297.7	2277.7	2349.7	*2527.3*	3051.3	3403.9	2826.9
47.5°	2830.5	2782.1	2666.3	2544.3	2461.4	2398.1	2557.7	*2741.9*	3301.5	3722.5	3064.7
50°	2979.2	2929.8	2823.8	2693.6	2637.5	2554.6	2762.0	*2981.3*	3549.6	4046.3	3281.9
52.5°	3081.2	3037.4	2912.8	2824.3	2786.2	2744.5	3001.4	*3235.1*	3796.6	4342.7	3496.5
55°	3058.0	3018.9	2909.2	2903.1	2900.5	2944.2	3287.6	*3522.8*	4048.3	4623.3	3710.1
57.5°	2984.4	2940.1	2803.2	2897.4	2988.5	3122.3	3597.4	*3863.0*	4324.2	4887.8	3916.0
60°	2767.7	2752.2	2668.9	2886.6	3025.6	3296.8	3951.6	*4204.8*	4622.8	5120.5	4098.8
62.5°	2309.1	2322.4	2321.9	2909.2	3092.5	3495.5	4273.3	*4550.7*	4914.6	5344.4	4261.4
65°	1729.0	1775.3	1834.5	2705.4	3182.0	3850.2	4657.8	*4925.9*	5211.1	5604.9	4426.6
67.5°	1161.7	1198.8	1238.9	2219.5	2915.4	4222.8	5296.5	*5440.1*	5566.3	5893.6	4612.5
70°	665.0	676.9	733.0	1386.2	2247.3	4119.9	6336.8	*6388.8*	6095.9	6249.3	4747.8
72.5°	*372.7*	*368.5*	*442.7*	*657.8*	*1255.9*	*3527.9*	*6701.2*	*7208.2*	*6570.0*	*6243.6*	*4445.7*
75°	249.1	249.6	304.7	414.9	489.5	2469.7	5774.7	*6683.7*	6285.8	5536.4	3632.4
77.5°	169.9	175.5	223.9	320.7	226.5	1205.0	3820.3	*4682.0*	5089.1	4275.3	2507.7
80°	73.6	74.1	147.7	230.1	152.9	383.5	1980.7	*2508.3*	3191.8	2400.7	993.4
82.5°	38.1	43.2	94.2	148.8	96.3	134.3	935.8	*1095.9*	1339.3	704.7	203.8
85°	13.4	16.0	58.2	73.1	48.4	47.9	325.8	*332.0*	283.6	106.0	56.1
87.5°	0.0	2.6	22.6	18.0	6.2	5.7	38.6	*32.4*	25.7	14.9	18.5
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°	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9	1165.9
2.5°	1166.9	1153.0	1130.3	1102.5	1070.1	1052.6	1027.4	1012.0	998.1	998.6	1009.9
5°	1168.4	1145.3	1087.6	1026.4	958.4	908.5	852.9	813.8	783.9	776.7	787.5
7.5°	1173.1	1133.9	1039.7	937.8	824.6	740.7	664.0	615.6	588.3	581.1	588.3
10°	1179.2	1121.6	985.7	829.7	689.2	588.3	524.5	493.6	481.3	472.0	477.7
12.5°	1184.4	1108.7	917.8	718.0	568.8	490.0	441.6	415.9	405.1	398.4	402.0
15°	1193.1	1091.7	844.2	614.1	487.4	423.1	377.3	358.2	355.2	356.2	357.7
17.5°	1201.9	1075.3	761.8	532.7	427.7	364.4	336.6	333.5	337.7	341.8	343.3
20°	1211.7	1051.6	678.4	471.5	372.7	323.8	316.6	318.6	320.7	327.9	329.9
22.5°	1226.1	1021.7	605.3	419.5	326.9	304.2	300.6	302.1	303.7	310.9	313.0
25°	1246.7	989.8	546.1	371.6	298.0	288.2	284.6	284.6	286.7	293.4	296.0
27.5°	1268.3	944.5	498.3	327.4	281.0	270.7	264.6	264.6	267.1	274.9	278.0
30°	1292.5	903.3	460.7	294.4	266.6	253.2	245.0	243.0	246.0	255.8	258.4
32.5°	1336.2	876.6	433.9	279.0	253.8	237.3	226.0	220.3	223.4	234.7	237.8
35°	1402.6	870.4	415.4	271.3	241.4	222.9	206.9	198.2	200.7	212.6	216.2
37.5°	1480.4	883.3	397.4	261.0	229.6	209.0	187.9	176.6	180.7	191.5	194.6
40°	1592.0	936.8	383.5	253.2	217.7	192.5	168.8	157.5	164.2	173.5	175.0
42.5°	1726.9	1032.0	379.9	246.0	203.3	175.0	151.3	143.1	148.2	157.0	158.5
45°	1894.2	1153.5	396.3	236.8	187.4	158.0	137.4	132.8	134.3	143.1	147.2
47.5°	2073.8	1278.1	441.6	228.5	173.5	144.1	126.6	122.5	121.5	129.7	134.9
50°	2255.5	1388.7	495.2	222.4	163.7	132.8	118.4	113.2	110.7	115.8	117.9
52.5°	2435.2	1476.8	530.2	212.1	153.9	121.5	111.2	103.5	98.8	101.4	103.5
55°	2617.4	1554.0	532.2	196.6	144.6	114.3	104.0	95.2	89.6	89.6	90.6
57.5°	2787.8	1621.9	501.9	176.0	131.8	107.6	94.2	87.0	80.8	78.8	79.3
60°	2938.6	1672.3	451.4	152.9	120.4	98.8	84.4	78.8	71.0	66.9	65.9
62.5°	3072.9	1697.1	382.4	129.2	106.5	88.5	75.2	69.0	58.7	53.5	53.0
65°	3186.7	1671.8	310.4	107.1	94.7	77.2	64.3	58.2	46.8	40.7	40.7
67.5°	3299.4	1556.5	234.7	90.1	82.4	64.9	53.0	47.4	39.1	34.0	34.0
70°	3313.8	1314.1	164.2	75.7	68.5	49.9	42.7	39.1	31.9	27.3	26.8
72.5°	*2949.9*	*945.6*	*99.9*	*61.8*	*53.5*	*35.5*	*34.0*	*30.9*	*23.7*	*20.6*	*20.1*
75°	2358.0	579.6	58.7	46.3	35.5	25.2	25.2	22.1	16.0	13.4	13.4
77.5°	1629.6	303.2	34.5	29.9	21.1	14.9	16.5	13.4	7.7	6.2	6.2
80°	652.7	115.3	18.5	13.9	9.8	6.7	5.7	3.1	1.5	1.0	1.5
82.5°	130.2	30.4	6.2	3.6	3.6	1.5	0.0	0.0	0.0	0.0	0.0
85°	33.5	6.7	1.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.3	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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SS

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(END OF REPORT)