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: P1202349

Luminaire Tested: GWC-SB1D-827-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202349
	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-SB1D-827-U-T2
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8815 lumens
Efficiency:	N/A
Efficacy:	110.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

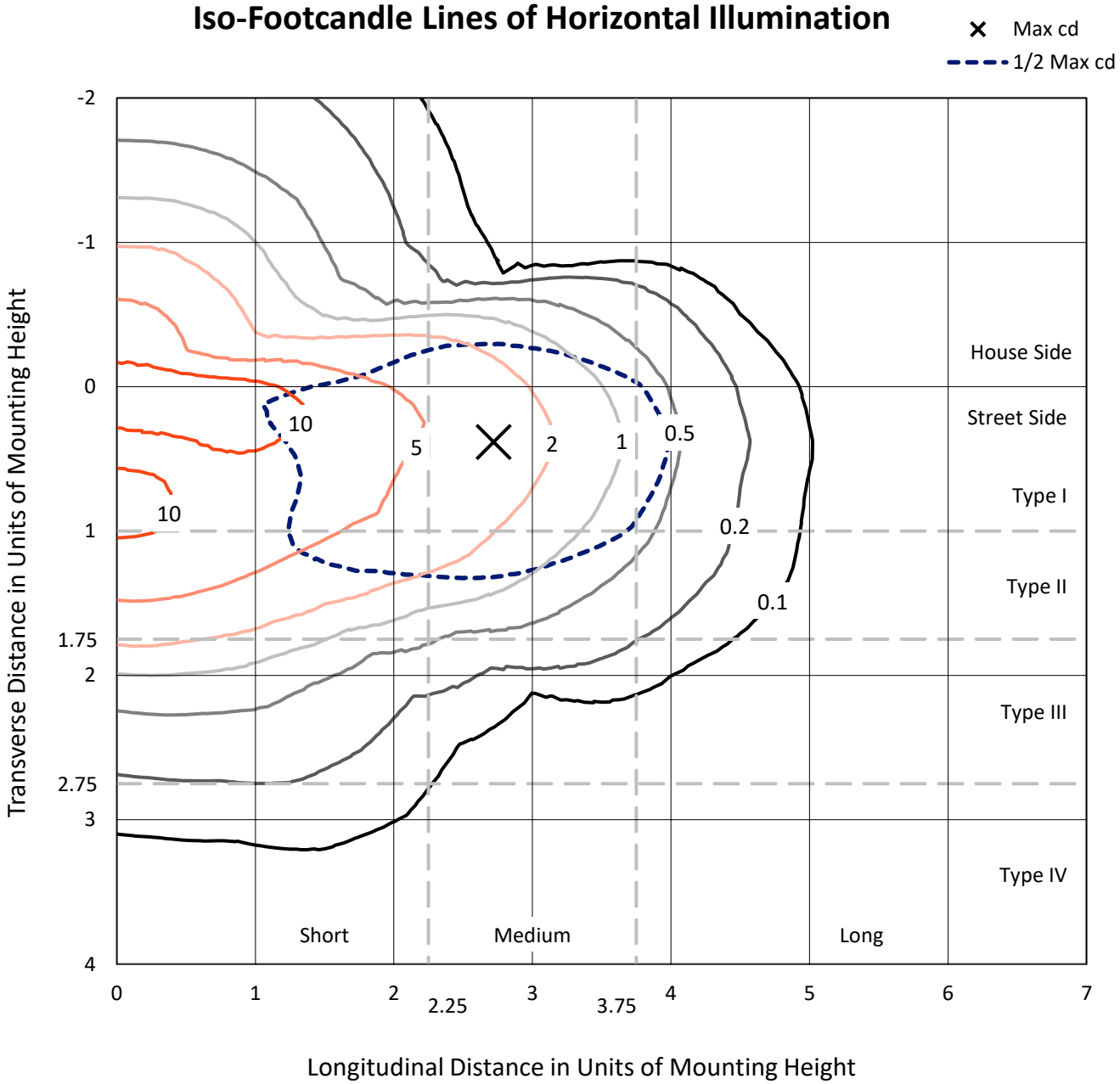


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Iso-Footcandle Lines of Horizontal Illumination



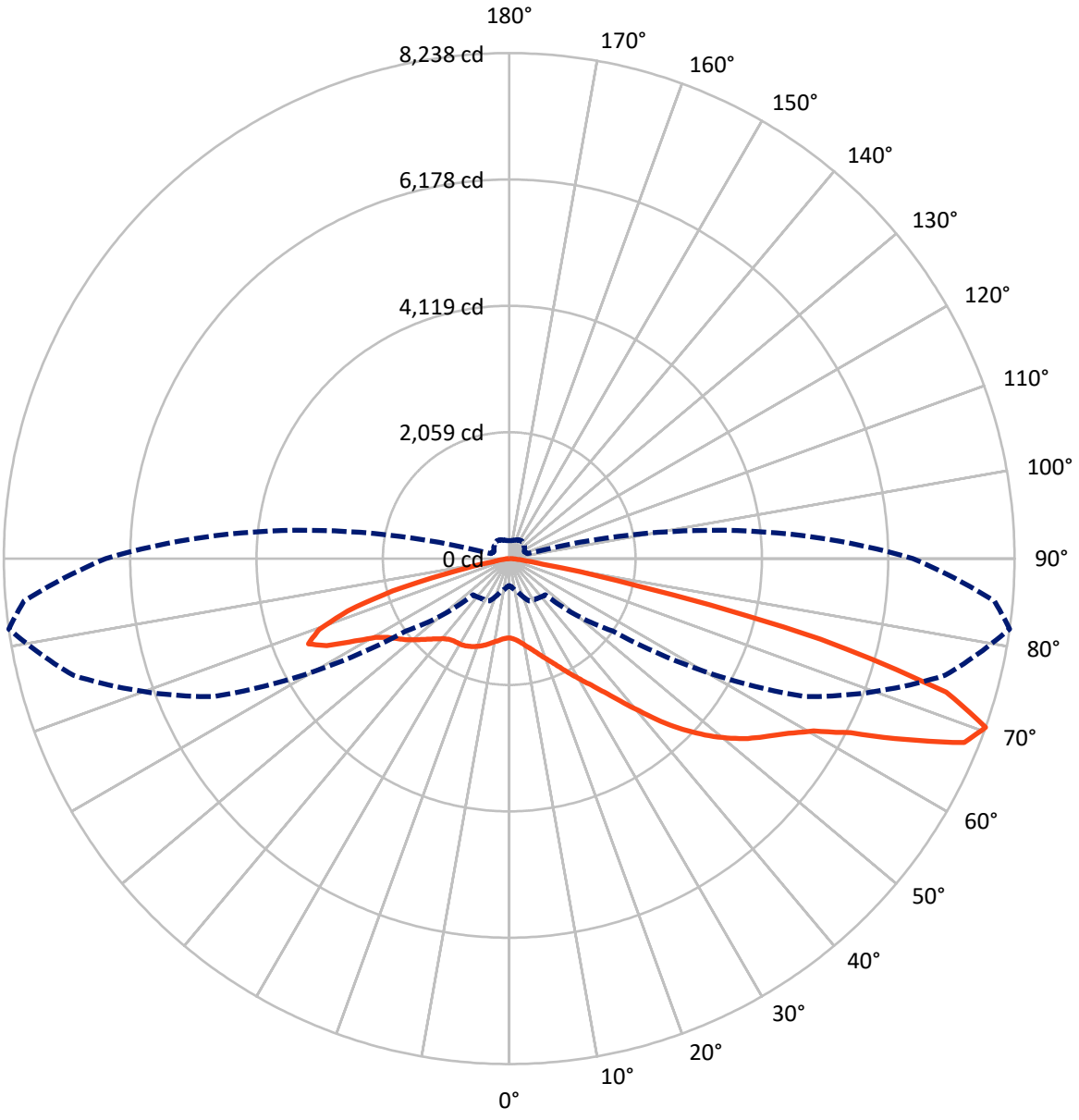
Based on 10 foot mounting height. Maximum calculated value = 14.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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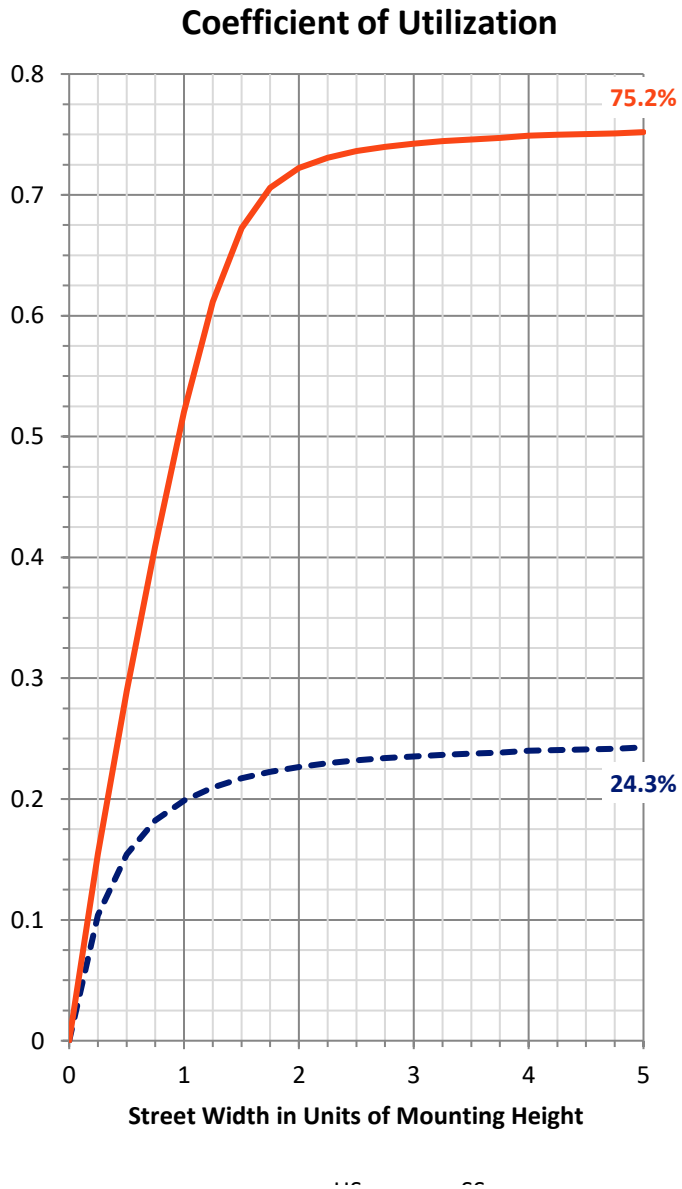
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2173.1	0.0	2173.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6641.9	0.0	6641.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	8815.0	0.0	8815.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.0	1.4
10°-20°	350.6	4.0
20°-30°	586.5	6.7
30°-40°	916.2	10.4
40°-50°	1459.2	16.6
50°-60°	2030.7	23.0
60°-70°	2124.2	24.1
70°-80°	1110.2	12.6
80°-90°	115.3	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°	8815.0	100.0
0°-180°	8815.0	100.0



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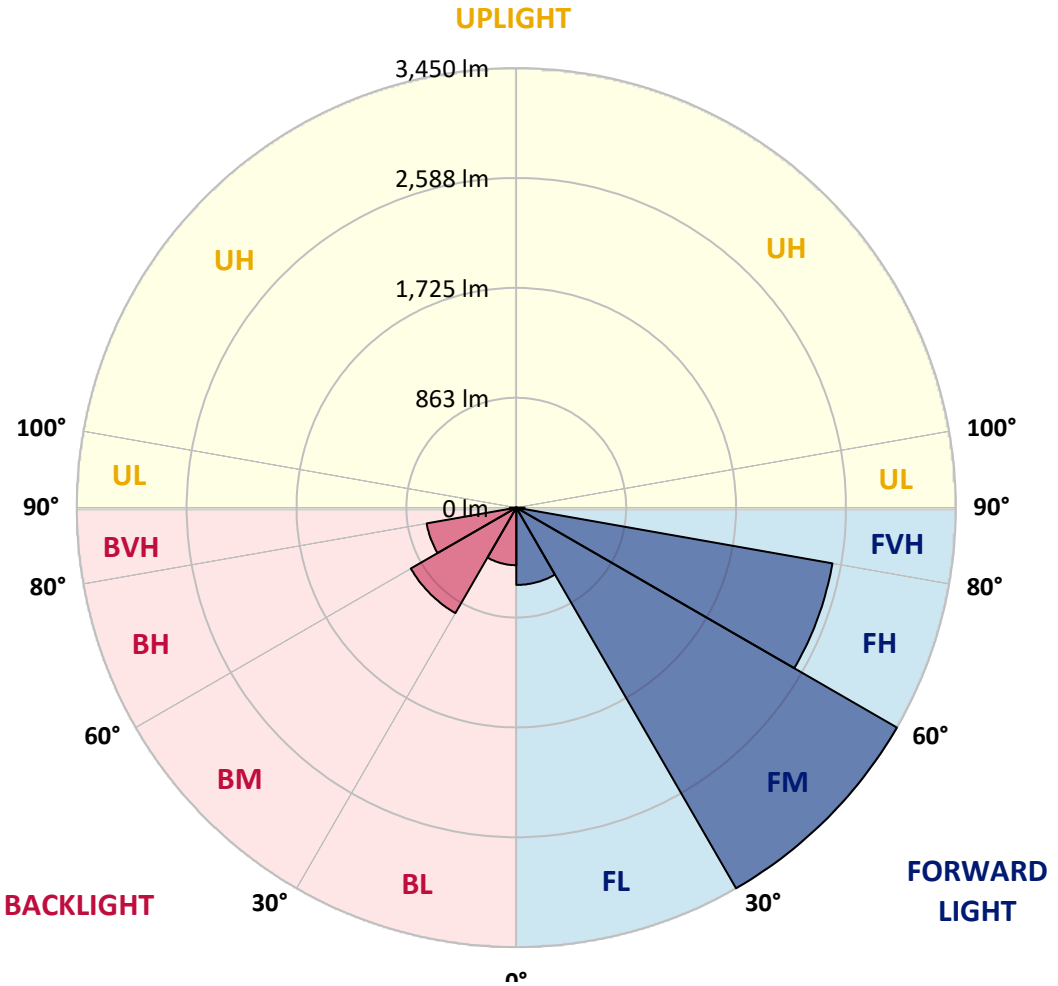
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	607.0	6.9			
FM	(30°-60°)	3450.1	39.1			
FH	(60°-80°)	2520.2	28.6			G2/5000
FVH	(80°-90°)	64.5	0.7			G1/100
BL	(0°-30°)	452.1	5.1	B1/500		
BM	(30°-60°)	956.1	10.8	B1/1000		
BH	(60°-80°)	714.2	8.1	B2/1000		G2/1000
BVH	(80°-90°)	50.7	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°	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	*1292.4*	1292.4
2.5°	1323.3	1330.7	1328.4	1326.1	1326.1	1322.8	1322.3	1317.6	1313.9	*1307.8*	1306.4
5°	1340.1	1348.1	1347.1	1349.0	1355.1	1356.5	1357.9	1355.1	1347.6	*1340.1*	1336.8
7.5°	1325.1	1334.0	1336.8	1348.1	1366.8	1383.6	1396.2	1401.4	1394.4	*1383.6*	1378.5
10°	1274.6	1284.4	1294.3	1320.9	1354.1	1393.9	1427.6	1447.7	1446.3	*1436.0*	1427.1
12.5°	1172.2	1182.5	1203.5	1255.4	1316.2	1386.4	1449.1	1491.2	1505.7	*1498.2*	1482.8
15°	1090.3	1099.2	1115.1	1168.4	1247.5	1354.1	1457.0	1538.9	1575.8	*1571.6*	1552.9
17.5°	1088.0	1091.7	1101.5	1126.8	1187.6	1303.6	1448.6	1585.7	1656.3	*1655.8*	1632.4
20°	1129.1	1130.5	1136.2	1141.3	1175.9	1265.3	1427.1	1624.5	1746.6	*1746.6*	1721.3
22.5°	1186.2	1185.3	1190.9	1186.2	1203.0	1262.0	1413.5	1658.6	1847.1	*1854.6*	1822.8
25°	1271.8	1267.1	1265.7	1255.0	1258.2	1292.4	1428.5	1697.5	1966.4	*1981.9*	1942.1
27.5°	1385.9	1378.5	1373.3	1348.5	1340.1	1355.1	1474.3	1744.2	2099.3	*2125.9*	2075.4
30°	1534.7	1521.1	1513.6	1470.6	1440.2	1442.5	1543.6	1806.4	2238.2	*2281.2*	2217.1
32.5°	1737.7	1716.6	1696.5	1625.9	1570.2	1552.0	1632.9	1892.5	2388.8	*2457.6*	2375.2
35°	1965.0	1948.2	1926.7	1817.7	1732.1	1690.0	1753.6	2012.7	2565.1	*2674.1*	2567.0
37.5°	2183.9	2169.4	2179.7	2032.8	1922.4	1861.2	1911.7	2174.1	2782.6	*2943.5*	2807.4
40°	2410.3	2399.1	2400.5	2260.2	2131.5	2062.8	2103.5	2376.6	3031.9	*3263.9*	3096.5
42.5°	2656.3	2647.9	2619.9	2495.4	2350.9	2286.8	2324.2	2610.5	3299.5	*3628.8*	3413.6
45°	2931.8	2926.7	2900.5	2757.8	2592.3	2520.2	2570.7	2868.7	3568.5	*3972.1*	3732.2
47.5°	3169.9	3174.1	3170.9	3050.7	2879.0	2773.3	2833.6	3138.1	3818.7	*4294.9*	4037.6
50°	3284.5	3306.5	3338.8	3301.4	3194.7	3087.1	3098.8	3398.2	4057.3	*4597.5*	4330.4
52.5°	3224.7	3266.3	3354.2	3414.1	3455.3	3432.8	3401.5	3656.4	4281.8	*4870.7*	4607.3
55°	3001.5	3060.0	3205.9	3350.5	3560.5	3723.7	3764.9	3942.7	4500.7	*5111.1*	4869.3
57.5°	2595.1	2690.0	2821.0	3113.3	3467.0	3864.5	4188.7	4339.8	4732.7	*5367.9*	5143.4
60°	1898.1	2025.4	2188.1	2623.1	3139.5	3789.2	4549.3	4949.7	5062.4	*5700.5*	5500.3
62.5°	1214.7	1293.3	1443.0	1852.8	2446.3	3403.3	4659.7	5712.1	5621.4	*6245.8*	6035.4
65°	831.7	882.2	1019.2	1249.4	1581.5	2533.3	4364.1	6283.7	6509.2	*7110.2*	6950.3
67.5°	604.3	642.7	759.6	961.2	1030.5	1499.1	3386.5	6257.5	7372.2	*8000.8*	7752.0
70°	*440.6*	*467.7*	*566.0*	*759.6*	*792.8*	*834.0*	*2051.5*	*5319.2*	*7353.5*	*8237.5*	*7939.6*
72.5°	326.5	345.2	411.2	589.4	641.8	563.2	1015.5	3865.9	6318.8	*7450.8*	7211.7
75°	236.2	250.2	298.9	450.9	513.6	428.9	506.6	2259.2	4407.6	*5241.1*	5283.2
77.5°	180.6	191.3	223.1	330.2	411.2	321.8	314.3	1039.3	2089.9	*2100.2*	2218.1
80°	145.0	152.0	169.3	232.5	315.3	240.9	204.9	419.6	660.5	*559.0*	586.6
82.5°	106.6	118.3	143.1	163.2	225.5	166.1	124.9	211.9	251.2	*216.1*	218.0
85°	60.8	68.8	86.5	116.9	144.1	101.5	71.6	94.0	116.9	*95.9*	85.6
87.5°	21.5	28.1	30.4	45.8	62.7	42.1	27.6	27.1	38.4	*28.5*	23.9
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°	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4	1292.4
2.5°	1301.7	1299.4	1290.1	1277.4	1264.3	1251.7	1247.5	1238.6	1232.5	1229.2	1233.0
5°	1327.9	1320.5	1298.5	1270.4	1240.9	1209.1	1186.7	1166.1	1151.1	1137.1	1142.7
7.5°	1365.4	1352.3	1314.4	1265.3	1212.9	1160.0	1120.7	1090.8	1070.7	1057.6	1060.4
10°	1408.9	1388.7	1330.7	1257.3	1176.4	1100.6	1054.3	1028.6	1015.9	1008.9	1010.8
12.5°	1458.9	1430.4	1347.6	1239.1	1120.7	1034.2	1002.4	994.9	995.4	995.8	996.8
15°	1520.7	1480.9	1361.1	1199.3	1048.2	983.2	977.6	989.8	1002.4	1008.5	1008.0
17.5°	1590.3	1534.2	1363.5	1133.8	977.1	950.5	968.2	994.4	1013.6	1022.0	1023.9
20°	1665.2	1588.5	1346.6	1041.2	918.7	923.8	955.6	989.3	1010.3	1021.1	1023.9
22.5°	1750.8	1646.5	1306.4	943.9	870.9	894.8	932.2	965.0	986.9	997.7	1000.5
25°	1848.5	1711.5	1243.3	862.1	829.8	862.1	899.5	926.6	944.4	954.2	957.0
27.5°	1957.1	1779.3	1159.1	797.0	793.8	828.4	859.3	880.3	889.7	897.1	899.9
30°	2066.0	1841.1	1057.1	747.9	762.4	795.2	817.2	826.5	829.3	830.7	834.0
32.5°	2183.9	1894.4	950.0	707.2	732.5	762.9	776.0	780.2	767.1	758.2	761.0
35°	2326.6	1951.4	845.2	675.0	703.0	729.2	733.4	729.7	714.3	696.0	696.9
37.5°	2502.9	2022.5	761.5	652.0	675.4	692.7	687.6	686.7	688.1	666.5	667.9
40°	2719.0	2115.2	700.2	634.3	653.0	656.7	642.2	650.2	657.2	624.4	625.4
42.5°	2959.0	2227.0	661.4	622.1	634.3	625.4	602.9	611.8	610.9	567.8	567.4
45°	3203.6	2348.6	647.8	613.2	617.0	599.2	574.4	576.7	557.1	518.3	519.7
47.5°	3446.8	2479.1	656.3	605.7	595.4	575.3	556.2	545.9	516.9	487.9	487.9
50°	3685.4	2616.1	687.1	590.8	566.0	554.3	540.2	522.0	491.1	466.3	464.5
52.5°	3906.6	2754.1	721.7	566.0	529.0	536.0	527.2	506.1	475.7	450.4	450.9
55°	4116.2	2892.1	735.3	531.8	494.4	520.1	515.0	476.2	439.7	419.1	417.2
57.5°	4344.4	3058.1	720.3	488.3	466.3	501.9	482.2	439.2	418.2	402.7	401.3
60°	4660.6	3318.7	688.1	434.5	439.7	474.8	441.1	423.3	400.4	383.1	382.2
62.5°	5185.9	3804.7	636.1	381.2	408.3	434.5	421.4	403.7	380.3	363.4	363.4
65°	5962.4	4480.1	538.4	339.6	373.3	395.2	400.4	382.6	358.3	340.5	341.5
67.5°	6617.2	4903.9	407.4	305.0	337.2	363.4	377.9	360.6	334.9	317.6	318.1
70°	*6581.2*	*4596.1*	*311.1*	*270.8*	*305.4*	*332.1*	*350.8*	*337.2*	*309.6*	*293.3*	*294.7*
72.5°	5845.5	3844.9	251.6	236.2	273.2	299.4	321.8	311.5	283.5	267.6	267.6
75°	4294.4	2729.3	201.1	201.1	232.9	265.2	290.0	283.5	257.7	246.5	243.2
77.5°	1810.2	1145.0	157.6	167.0	193.6	227.8	258.7	261.0	238.6	252.6	229.2
80°	481.3	315.7	120.2	131.4	152.0	188.0	225.0	224.1	199.7	186.6	173.5
82.5°	183.4	124.4	85.6	92.6	109.9	144.1	178.2	183.8	159.5	138.0	138.0
85°	70.6	53.3	52.9	55.7	64.1	95.4	134.7	139.4	120.2	102.0	105.2
87.5°	18.2	15.9	19.6	18.7	29.5	51.0	77.2	80.0	73.4	42.6	60.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
SS

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(END OF REPORT)