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: P1201601

Luminaire Tested: GWC-SB1B-827-U-T2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201601
	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-SB1B-827-U-T2
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4877 lumens
Efficiency:	N/A
Efficacy:	122.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

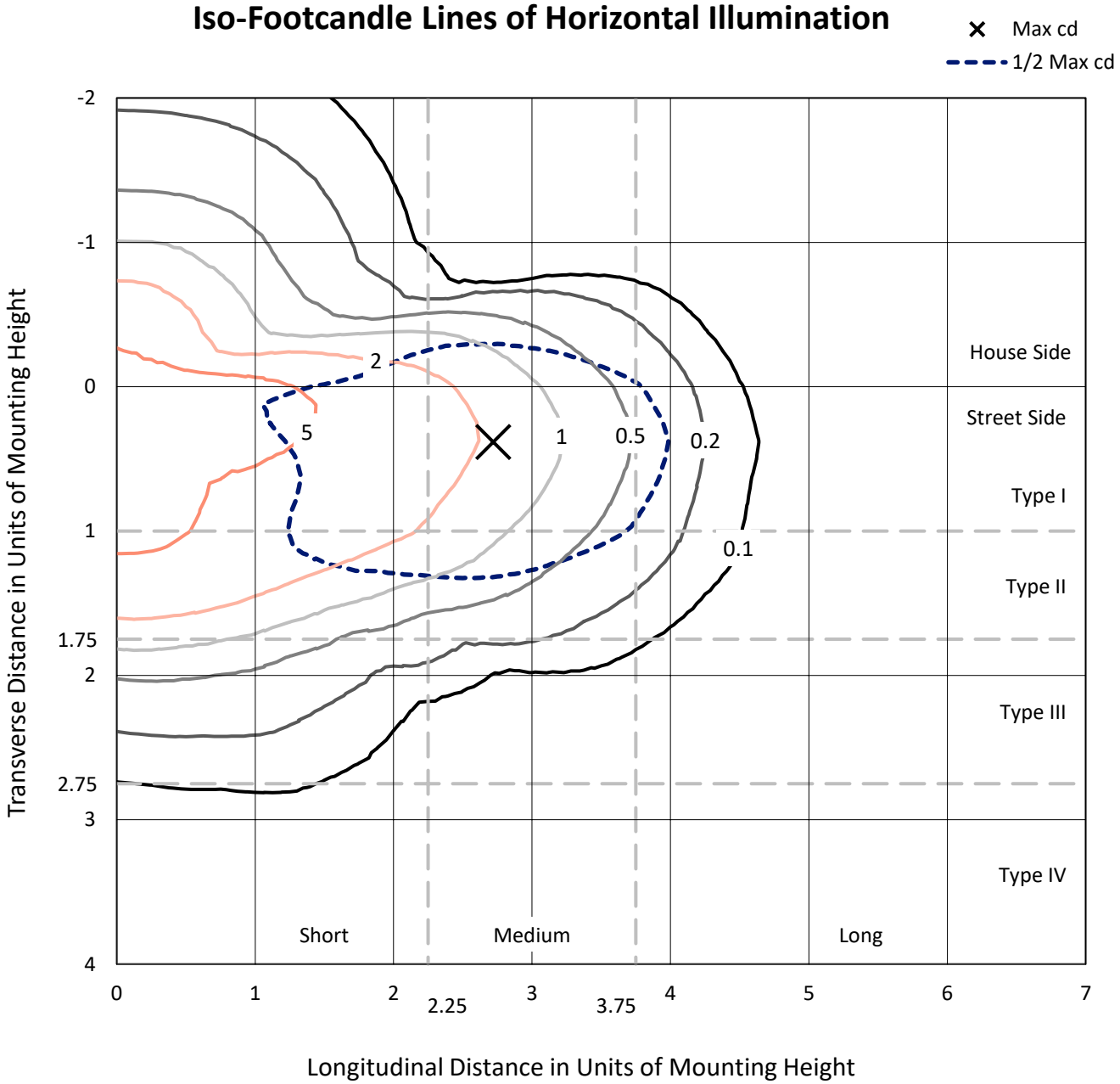


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Iso-Footcandle Lines of Horizontal Illumination



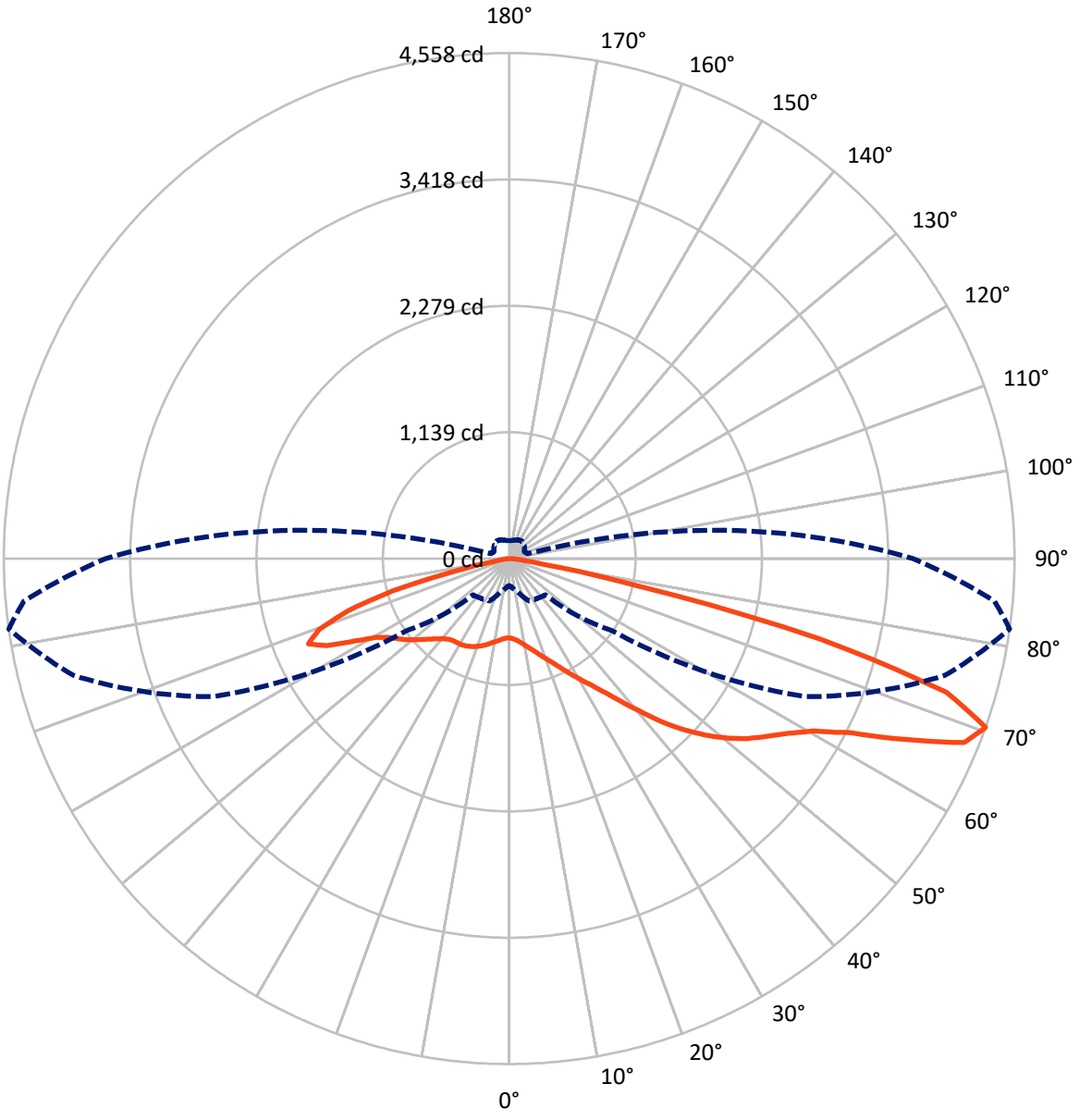
Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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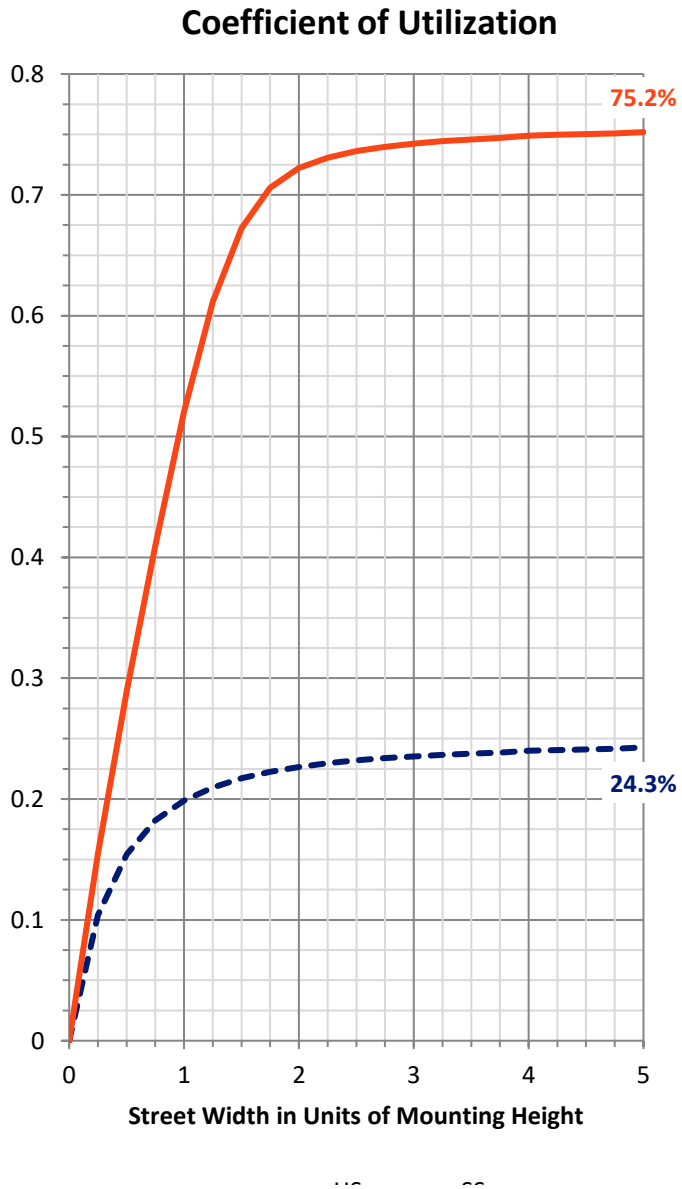
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1202.3	0.0	1202.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3674.7	0.0	3674.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	4877.0	0.0	4877.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	1.4
10°-20°	194.0	4.0
20°-30°	324.5	6.7
30°-40°	506.9	10.4
40°-50°	807.3	16.6
50°-60°	1123.5	23.0
60°-70°	1175.2	24.1
70°-80°	614.2	12.6
80°-90°	63.8	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°	4877.0	100.0
0°-180°	4877.0	100.0



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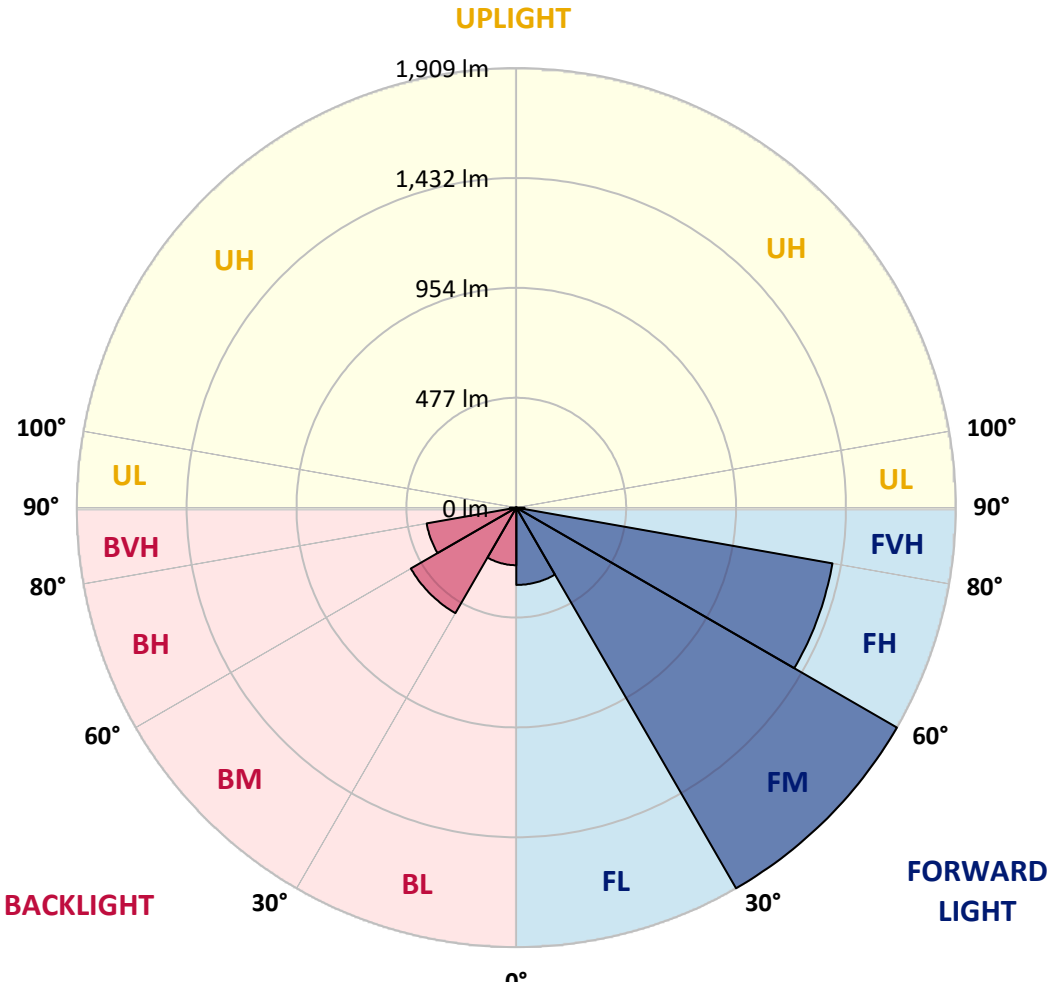
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	335.8	6.9			
FM	(30°-60°)	1908.8	39.1			
FH	(60°-80°)	1394.4	28.6			G1/1800
FVH	(80°-90°)	35.7	0.7			G1/100
BL	(0°-30°)	250.1	5.1	B1/500		
BM	(30°-60°)	529.0	10.8	B1/1000		
BH	(60°-80°)	395.1	8.1	B1/500		G1/500
BVH	(80°-90°)	28.1	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	715.0	715.0	715.0	715.0	715.0	715.0	715.0	715.0	715.0	*715.0*	715.0
2.5°	732.1	736.2	735.0	733.7	733.7	731.9	731.6	729.0	726.9	*723.6*	722.8
5°	741.4	745.8	745.3	746.3	749.7	750.5	751.3	749.7	745.6	*741.4*	739.6
7.5°	733.1	738.1	739.6	745.8	756.2	765.5	772.5	775.3	771.4	*765.5*	762.6
10°	705.2	710.6	716.1	730.8	749.2	771.2	789.8	800.9	800.2	*794.5*	789.6
12.5°	648.5	654.2	665.9	694.6	728.2	767.0	801.7	825.0	833.0	*828.9*	820.4
15°	603.2	608.2	616.9	646.5	690.2	749.2	806.1	851.4	871.9	*869.5*	859.2
17.5°	601.9	604.0	609.4	623.4	657.1	721.2	801.5	877.3	916.4	*916.1*	903.2
20°	624.7	625.5	628.6	631.4	650.6	700.0	789.6	898.8	966.3	*966.3*	952.3
22.5°	656.3	655.8	658.9	656.3	665.6	698.2	782.1	917.7	1022.0	*1026.1*	1008.5
25°	703.6	701.1	700.3	694.3	696.1	715.0	790.3	939.1	1087.9	*1096.5*	1074.5
27.5°	766.8	762.6	759.8	746.1	741.4	749.7	815.7	965.0	1161.4	*1176.2*	1148.2
30°	849.1	841.6	837.4	813.6	796.8	798.1	854.0	999.4	1238.3	*1262.1*	1226.7
32.5°	961.4	949.7	938.6	899.5	868.7	858.7	903.4	1047.1	1321.6	*1359.7*	1314.1
35°	1087.2	1077.8	1065.9	1005.6	958.3	935.0	970.2	1113.6	1419.2	*1479.5*	1420.2
37.5°	1208.3	1200.3	1205.9	1124.7	1063.6	1029.7	1057.7	1202.8	1539.5	*1628.5*	1553.2
40°	1333.5	1327.3	1328.1	1250.5	1179.3	1141.3	1163.8	1314.9	1677.5	*1805.8*	1713.2
42.5°	1469.7	1465.0	1449.5	1380.6	1300.7	1265.2	1285.9	1444.3	1825.5	*2007.7*	1888.6
45°	1622.1	1619.2	1604.7	1525.8	1434.2	1394.3	1422.3	1587.1	1974.3	*2197.6*	2064.9
47.5°	1753.8	1756.1	1754.3	1687.8	1592.8	1534.3	1567.7	1736.2	2112.7	*2376.2*	2233.9
50°	1817.2	1829.4	1847.2	1826.5	1767.5	1708.0	1714.5	1880.1	2244.7	*2543.6*	2395.9
52.5°	1784.1	1807.1	1855.8	1888.9	1911.7	1899.2	1881.9	2022.9	2368.9	*2694.8*	2549.1
55°	1660.6	1693.0	1773.7	1853.7	1969.9	2060.2	2083.0	2181.3	2490.1	*2827.8*	2694.0
57.5°	1435.8	1488.3	1560.7	1722.5	1918.1	2138.1	2317.4	2401.0	2618.4	*2969.8*	2845.6
60°	1050.2	1120.5	1210.6	1451.3	1737.0	2096.4	2517.0	2738.5	2800.9	*3153.8*	3043.1
62.5°	672.1	715.5	798.4	1025.1	1353.5	1882.9	2578.0	3160.3	3110.1	*3455.6*	3339.1
65°	460.1	488.1	563.9	691.2	875.0	1401.6	2414.5	3476.5	3601.3	*3933.8*	3845.3
67.5°	334.4	355.6	420.3	531.8	570.1	829.4	1873.6	3462.1	4078.7	*4426.6*	4288.9
70°	*243.8*	*258.8*	*313.1*	*420.3*	*438.6*	*461.4*	*1135.0*	*2942.9*	*4068.4*	*4557.5*	*4392.7*
72.5°	180.6	191.0	227.5	326.1	355.1	311.6	561.8	2138.9	3496.0	*4122.2*	3990.0
75°	130.7	138.5	165.4	249.5	284.1	237.3	280.3	1249.9	2438.6	*2899.7*	2923.0
77.5°	99.9	105.8	123.4	182.7	227.5	178.0	173.9	575.0	1156.3	*1162.0*	1227.2
80°	80.2	84.1	93.7	128.6	174.4	133.3	113.3	232.1	365.4	*309.3*	324.5
82.5°	59.0	65.5	79.2	90.3	124.7	91.9	69.1	117.2	139.0	*119.6*	120.6
85°	33.6	38.0	47.9	64.7	79.7	56.2	39.6	52.0	64.7	*53.1*	47.4
87.5°	11.9	15.5	16.8	25.4	34.7	23.3	15.3	15.0	21.2	*15.8*	13.2
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°	715.0	715.0	715.0	715.0	715.0	715.0	715.0	715.0	715.0	715.0	715.0
2.5°	720.2	718.9	713.7	706.7	699.5	692.5	690.2	685.3	681.9	680.1	682.2
5°	734.7	730.6	718.4	702.9	686.6	669.0	656.5	645.2	636.9	629.1	632.2
7.5°	755.4	748.2	727.2	700.0	671.0	641.8	620.1	603.5	592.4	585.1	586.7
10°	779.5	768.3	736.2	695.6	650.8	608.9	583.3	569.1	562.1	558.2	559.2
12.5°	807.2	791.4	745.6	685.5	620.1	572.2	554.6	550.4	550.7	551.0	551.5
15°	841.3	819.3	753.1	663.5	579.9	544.0	540.9	547.6	554.6	557.9	557.7
17.5°	879.9	848.8	754.4	627.3	540.6	525.9	535.7	550.2	560.8	565.5	566.5
20°	921.3	878.8	745.0	576.1	508.3	511.1	528.7	547.3	559.0	564.9	566.5
22.5°	968.6	910.9	722.8	522.2	481.9	495.1	515.8	533.9	546.0	552.0	553.5
25°	1022.7	946.9	687.9	476.9	459.1	476.9	497.6	512.7	522.5	527.9	529.5
27.5°	1082.8	984.4	641.3	441.0	439.2	458.3	475.4	487.0	492.2	496.4	497.9
30°	1143.1	1018.6	584.9	413.8	421.8	439.9	452.1	457.3	458.8	459.6	461.4
32.5°	1208.3	1048.1	525.6	391.3	405.3	422.1	429.3	431.7	424.4	419.5	421.0
35°	1287.2	1079.7	467.6	373.4	389.0	403.4	405.8	403.7	395.2	385.1	385.6
37.5°	1384.8	1119.0	421.3	360.7	373.7	383.3	380.4	379.9	380.7	368.8	369.5
40°	1504.3	1170.2	387.4	350.9	361.3	363.3	355.3	359.7	363.6	345.5	346.0
42.5°	1637.1	1232.1	365.9	344.2	350.9	346.0	333.6	338.5	338.0	314.2	313.9
45°	1772.4	1299.4	358.4	339.3	341.3	331.5	317.8	319.1	308.2	286.7	287.5
47.5°	1907.0	1371.6	363.1	335.1	329.4	318.3	307.7	302.0	286.0	269.9	269.9
50°	2039.0	1447.4	380.2	326.8	313.1	306.7	298.9	288.8	271.7	258.0	257.0
52.5°	2161.4	1523.7	399.3	313.1	292.7	296.6	291.7	280.0	263.2	249.2	249.5
55°	2277.3	1600.1	406.8	294.2	273.5	287.8	284.9	263.4	243.3	231.9	230.8
57.5°	2403.6	1692.0	398.5	270.2	258.0	277.7	266.8	243.0	231.4	222.8	222.0
60°	2578.6	1836.1	380.7	240.4	243.3	262.7	244.0	234.2	221.5	211.9	211.4
62.5°	2869.2	2105.0	352.0	210.9	225.9	240.4	233.2	223.3	210.4	201.1	201.1
65°	3298.8	2478.7	297.9	187.9	206.5	218.7	221.5	211.7	198.2	188.4	188.9
67.5°	3661.1	2713.1	225.4	168.7	186.6	201.1	209.1	199.5	185.3	175.7	176.0
70°	*3641.1*	*2542.8*	*172.1*	*149.8*	*169.0*	*183.7*	*194.1*	*186.6*	*171.3*	*162.3*	*163.0*
72.5°	3234.1	2127.2	139.2	130.7	151.1	165.6	178.0	172.4	156.8	148.0	148.0
75°	2375.9	1510.0	111.3	111.3	128.9	146.7	160.4	156.8	142.6	136.4	134.6
77.5°	1001.5	633.5	87.2	92.4	107.1	126.0	143.1	144.4	132.0	139.7	126.8
80°	266.3	174.7	66.5	72.7	84.1	104.0	124.5	124.0	110.5	103.3	96.0
82.5°	101.4	68.8	47.4	51.2	60.8	79.7	98.6	101.7	88.2	76.3	76.3
85°	39.1	29.5	29.2	30.8	35.5	52.8	74.5	77.1	66.5	56.4	58.2
87.5°	10.1	8.8	10.9	10.4	16.3	28.2	42.7	44.3	40.6	23.5	33.6
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)