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: P1201607

Luminaire Tested: GWC-SB1B-827-U-T4W

Issue Date: 10/30/2025

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Peachtree City, GA 30269

Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1201607
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1B-827-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4913 lumens
Efficiency:	N/A
Efficacy:	123.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

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

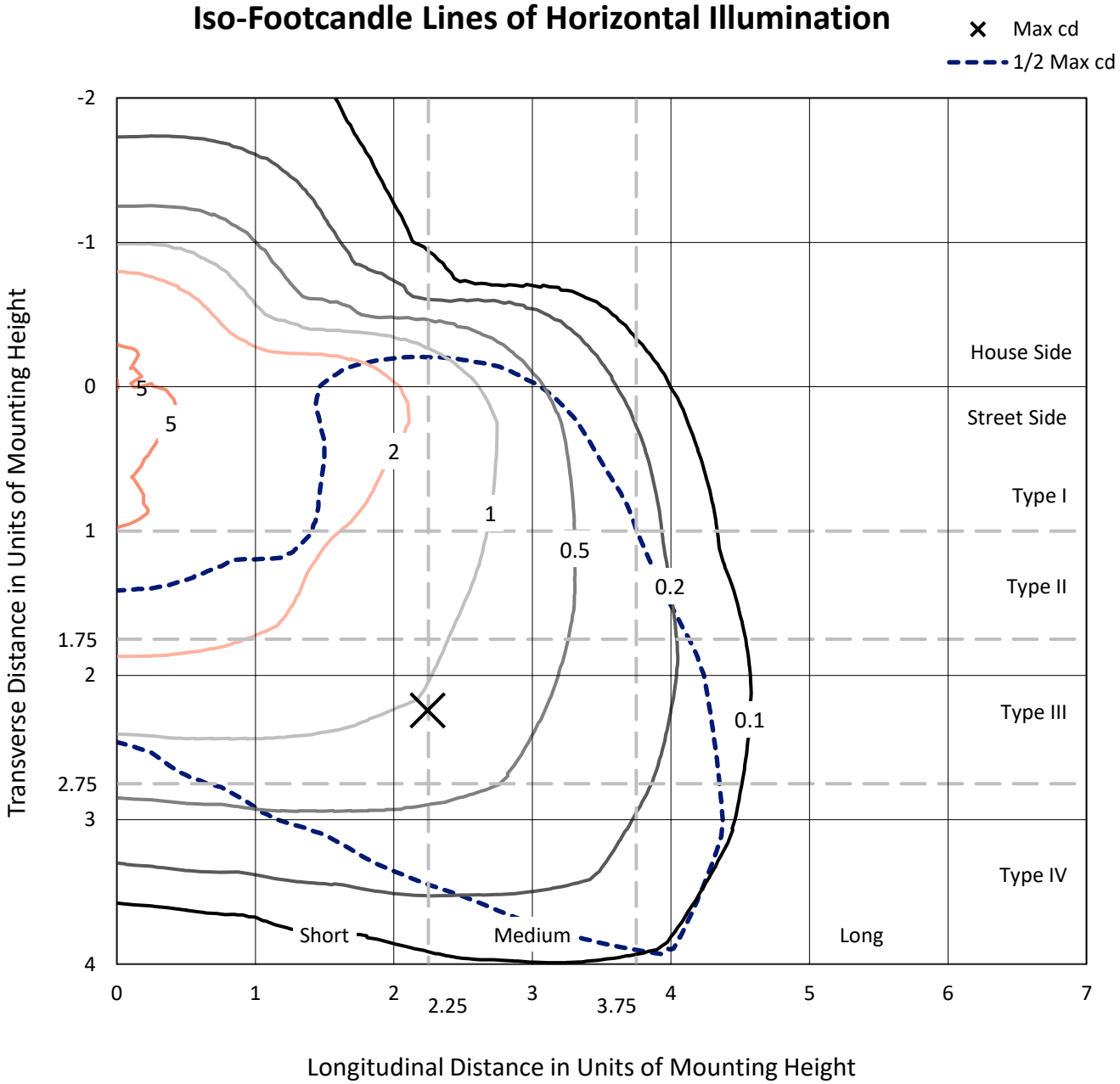


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Iso-Footcandle Lines of Horizontal Illumination



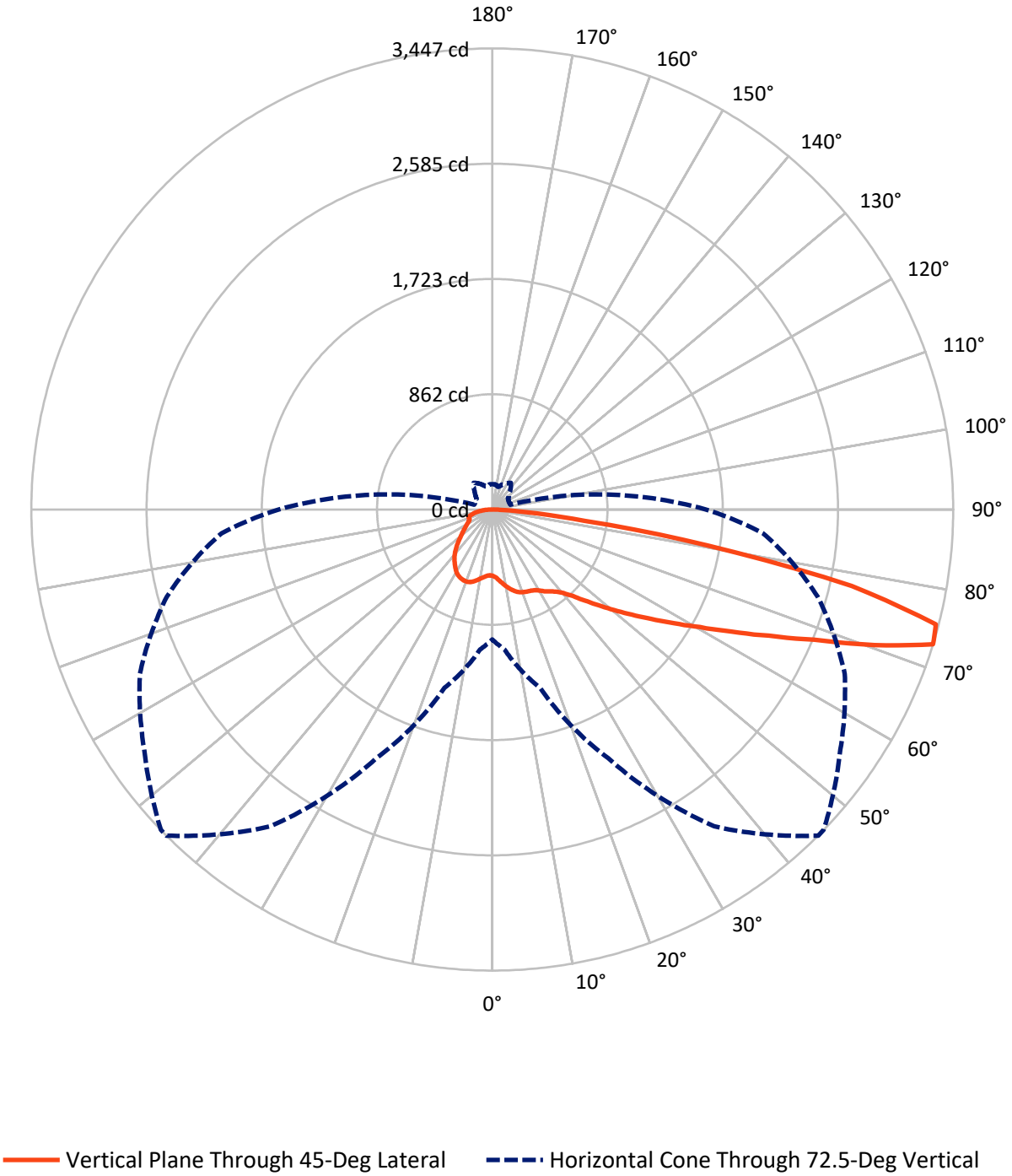
Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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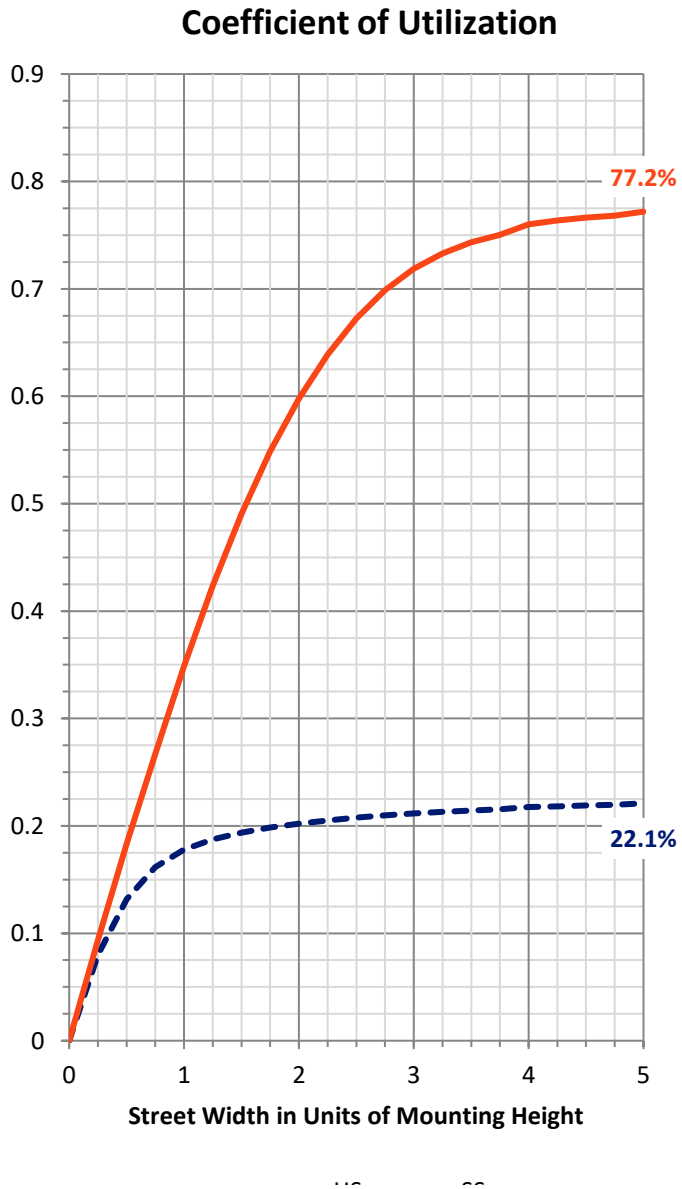
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1110.7	0.0	1110.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	3802.3	0.0	3802.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	4913.0	0.0	4913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	1.0
10°-20°	168.2	3.4
20°-30°	292.6	6.0
30°-40°	419.4	8.5
40°-50°	590.6	12.0
50°-60°	904.6	18.4
60°-70°	1310.4	26.7
70°-80°	1046.4	21.3
80°-90°	130.3	2.7
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°	4913.0	100.0
0°-180°	4913.0	100.0



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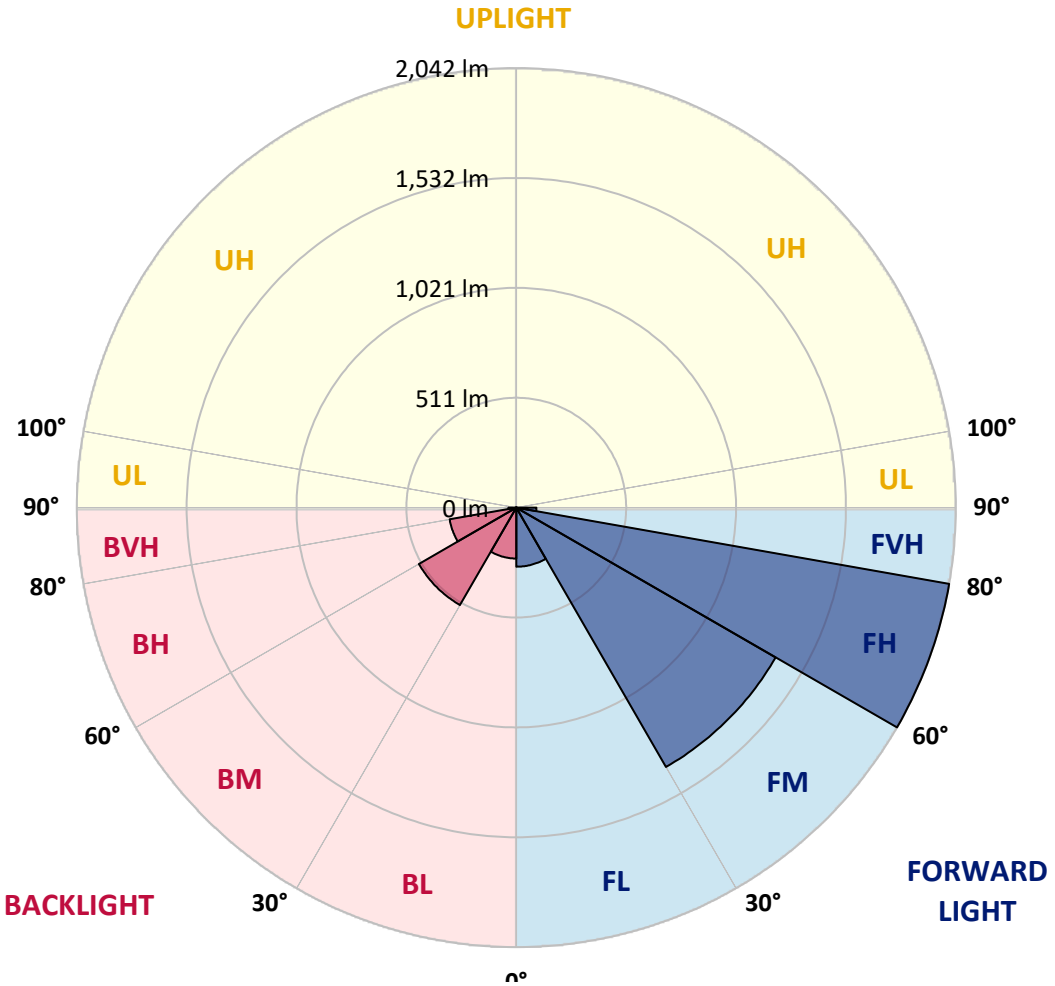
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	274.7	5.6			
FM	(30°-60°)	1391.6	28.3			
FH	(60°-80°)	2042.5	41.6			G2/5000
FVH	(80°-90°)	93.5	1.9			G1/100
BL	(0°-30°)	236.5	4.8	B1/500		
BM	(30°-60°)	523.0	10.6	B1/1000		
BH	(60°-80°)	314.4	6.4	B1/500		G1/500
BVH	(80°-90°)	36.8	0.7			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	495.6	495.6	495.6	495.6	495.6	*495.6*	495.6	495.6	495.6	495.6	495.6
2.5°	515.0	518.4	515.3	512.4	511.2	*507.8*	507.5	505.5	504.2	500.5	499.5
5°	551.0	555.4	550.2	544.5	539.4	*531.1*	530.0	524.1	517.4	509.6	505.2
7.5°	591.6	595.5	589.6	581.0	572.0	*558.3*	558.0	547.1	536.5	523.3	515.8
10°	627.1	632.3	624.3	612.6	601.2	*585.7*	583.9	571.5	558.0	540.9	529.5
12.5°	658.4	662.0	654.3	640.0	626.8	*611.3*	609.0	595.3	580.3	560.8	546.4
15°	683.3	687.9	677.6	662.3	648.3	*633.1*	631.0	618.6	603.6	583.1	564.5
17.5°	699.6	703.5	692.8	675.8	662.3	*649.6*	648.1	637.7	624.5	603.8	583.9
20°	705.8	709.9	698.8	681.5	669.0	*659.2*	658.4	650.9	641.9	623.0	602.8
22.5°	712.0	715.9	701.4	683.3	672.4	*666.2*	665.9	661.0	657.4	641.9	622.2
25°	737.1	738.1	718.7	692.6	677.1	*671.6*	671.4	671.1	672.7	660.5	643.1
27.5°	758.8	758.6	742.0	717.4	693.4	*682.0*	681.7	684.3	689.2	679.1	664.9
30°	790.7	787.8	768.2	742.5	720.5	*702.9*	701.4	699.1	702.9	694.9	686.6
32.5°	858.2	849.2	817.3	771.8	743.1	*729.6*	727.5	713.0	714.6	709.7	705.5
35°	955.0	943.1	900.7	827.2	771.0	*751.9*	750.8	732.4	729.3	724.9	726.5
37.5°	1070.2	1055.4	1006.0	907.4	819.1	*777.7*	776.2	759.6	746.9	742.3	751.1
40°	1185.9	1167.2	1126.4	1005.2	890.1	*821.0*	816.0	790.9	776.4	768.7	787.3
42.5°	1298.2	1282.7	1247.7	1115.0	977.5	*884.1*	873.2	830.3	819.4	812.2	845.8
45°	1397.6	1383.6	1358.0	1232.2	1080.0	*970.0*	959.4	889.3	885.9	885.9	934.6
47.5°	1478.3	1475.2	1448.1	1351.8	1200.9	*1067.9*	1049.5	971.3	980.4	994.4	1060.6
50°	1567.9	1559.3	1530.4	1469.5	1343.0	*1179.9*	1164.9	1072.0	1105.9	1144.2	1242.8
52.5°	1650.2	1654.8	1622.5	1592.2	1503.4	*1304.9*	1278.5	1190.8	1264.0	1327.4	1456.3
55°	1734.8	1735.1	1726.0	1721.9	1671.7	*1443.1*	1414.2	1333.7	1450.1	1528.8	1705.3
57.5°	1814.3	1814.8	1828.3	1864.7	1866.8	*1602.6*	1569.7	1509.1	1656.9	1737.1	1962.1
60°	1885.2	1888.8	1925.6	2011.0	2038.4	*1785.3*	1754.2	1716.4	1870.7	1951.4	2232.0
62.5°	1909.0	1922.2	2004.0	2125.4	2207.9	*2009.4*	1978.9	1956.4	2095.3	2170.4	2457.7
65°	1868.6	1898.9	2057.0	2219.8	2382.4	*2275.7*	2245.5	2220.9	2328.8	2399.5	2643.0
67.5°	1769.5	1808.6	2053.9	2319.0	2594.1	*2596.1*	2567.9	2510.2	2579.1	2606.2	2703.3
70°	1508.4	1566.9	1873.0	2356.0	2837.1	*3034.3*	3007.1	2858.6	2828.8	2697.3	2533.5
72.5°	*971.8*	*1050.5*	*1379.2*	*2051.3*	*2891.2*	*3446.6*	*3445.1*	*3173.0*	*2907.8*	*2520.3*	*2031.9*
75°	354.6	402.7	640.8	1287.6	2426.9	*3425.6*	3435.7	3119.2	2654.4	1946.8	1265.9
77.5°	129.1	141.3	209.1	494.8	1492.6	*2748.6*	2769.6	2493.7	1889.3	977.0	501.6
80°	67.8	74.5	107.1	192.0	639.5	*1632.3*	1665.2	1482.0	888.0	294.3	150.4
82.5°	37.5	40.6	60.0	104.3	288.1	*698.0*	717.7	585.4	312.4	124.7	62.1
85°	20.2	21.5	28.2	56.9	140.8	*242.0*	247.4	175.0	124.5	73.2	30.0
87.5°	6.0	7.2	9.3	18.1	55.1	*54.4*	55.6	34.7	49.2	37.0	9.8
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°	495.6	495.6	495.6	495.6	495.6	495.6	495.6	495.6	495.6	495.6	495.6
2.5°	498.0	497.2	494.3	493.0	491.5	491.2	492.5	492.8	493.0	493.3	494.3
5°	502.6	500.0	497.4	495.9	496.4	496.7	499.2	501.1	502.4	503.4	503.9
7.5°	511.7	509.6	505.2	504.9	505.7	508.0	511.4	515.6	517.9	519.7	520.2
10°	525.1	521.2	516.1	516.8	518.4	521.8	528.8	532.1	536.0	539.4	538.6
12.5°	538.8	535.5	529.5	530.0	532.6	538.6	545.3	549.5	552.0	554.6	555.7
15°	556.7	550.8	544.3	544.3	548.9	555.4	558.5	561.9	563.4	566.3	567.3
17.5°	575.1	567.3	558.8	558.3	564.0	567.1	568.9	569.4	569.9	573.0	574.0
20°	593.5	584.9	572.8	571.7	573.0	572.5	572.2	571.7	572.5	576.4	577.9
22.5°	611.6	601.7	584.9	580.3	576.6	571.7	571.5	571.2	571.7	575.6	578.2
25°	632.8	620.9	598.4	584.4	572.2	565.5	566.3	566.5	567.1	570.2	574.3
27.5°	655.8	642.6	610.8	583.1	561.1	556.4	555.2	555.9	557.7	562.7	567.6
30°	678.9	663.3	622.2	577.9	547.1	540.7	536.5	538.3	544.0	548.9	554.4
32.5°	699.8	684.3	631.2	566.5	529.3	519.2	513.7	516.1	521.8	523.6	530.0
35°	724.4	706.8	635.1	548.4	509.9	494.3	487.1	483.7	486.6	484.8	490.4
37.5°	751.9	733.5	634.6	524.6	487.1	469.2	459.1	446.5	440.5	434.3	438.2
40°	792.5	766.1	628.4	495.9	458.9	442.6	424.5	403.0	389.5	377.3	378.1
42.5°	847.9	811.4	617.0	464.3	427.0	411.8	387.2	362.1	340.9	320.7	318.9
45°	930.4	870.6	602.8	430.7	392.6	377.6	350.9	322.7	298.7	272.8	269.7
47.5°	1049.5	950.4	589.3	392.4	356.4	342.7	318.6	292.5	264.0	238.9	236.0
50°	1213.1	1064.8	576.9	355.1	320.7	310.3	291.2	264.5	235.8	215.6	214.3
52.5°	1421.1	1220.3	571.7	319.1	287.3	283.4	268.1	243.3	216.1	199.0	197.7
55°	1660.0	1406.4	571.7	284.7	258.0	259.3	248.7	225.7	202.1	186.9	185.3
57.5°	1903.8	1594.8	561.4	252.9	233.2	238.6	231.9	211.7	190.5	174.7	172.1
60°	2128.5	1752.7	519.4	223.9	211.2	219.7	215.3	198.0	172.1	158.9	156.8
62.5°	2301.1	1841.7	438.7	200.8	193.1	202.9	200.6	179.9	168.7	163.3	161.5
65°	2387.5	1827.2	335.4	180.4	177.8	193.1	188.2	187.4	178.6	172.4	170.3
67.5°	2334.5	1702.5	243.3	165.4	169.0	184.0	202.9	206.0	189.7	177.5	175.5
70°	2101.8	1476.8	181.2	151.1	157.9	184.3	231.4	215.6	186.1	171.9	169.5
72.5°	*1598.9*	*1101.2*	*140.5*	*136.1*	*143.4*	*185.6*	*244.1*	*211.2*	*175.7*	*190.0*	*188.4*
75°	914.4	604.6	112.8	117.8	125.3	173.4	237.6	199.8	167.7	174.4	174.4
77.5°	348.6	232.4	93.2	99.6	100.7	151.4	227.2	199.0	159.7	155.8	142.1
80°	120.9	90.8	77.1	79.2	77.9	134.6	217.9	173.1	130.7	117.0	113.1
82.5°	49.4	45.3	61.1	58.5	55.4	104.6	176.0	141.6	106.9	94.5	93.4
85°	21.5	28.7	40.4	35.5	32.1	72.5	141.1	119.8	90.3	77.9	77.6
87.5°	4.4	10.9	17.1	16.0	16.6	48.4	100.2	85.1	63.9	47.9	37.5
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

0

(END OF REPORT)