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: P1203762

Luminaire Tested: GWC-SB2D-735-U-T4W-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203762
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-735-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15673 lumens
Efficiency:	N/A
Efficacy:	106.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G3

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

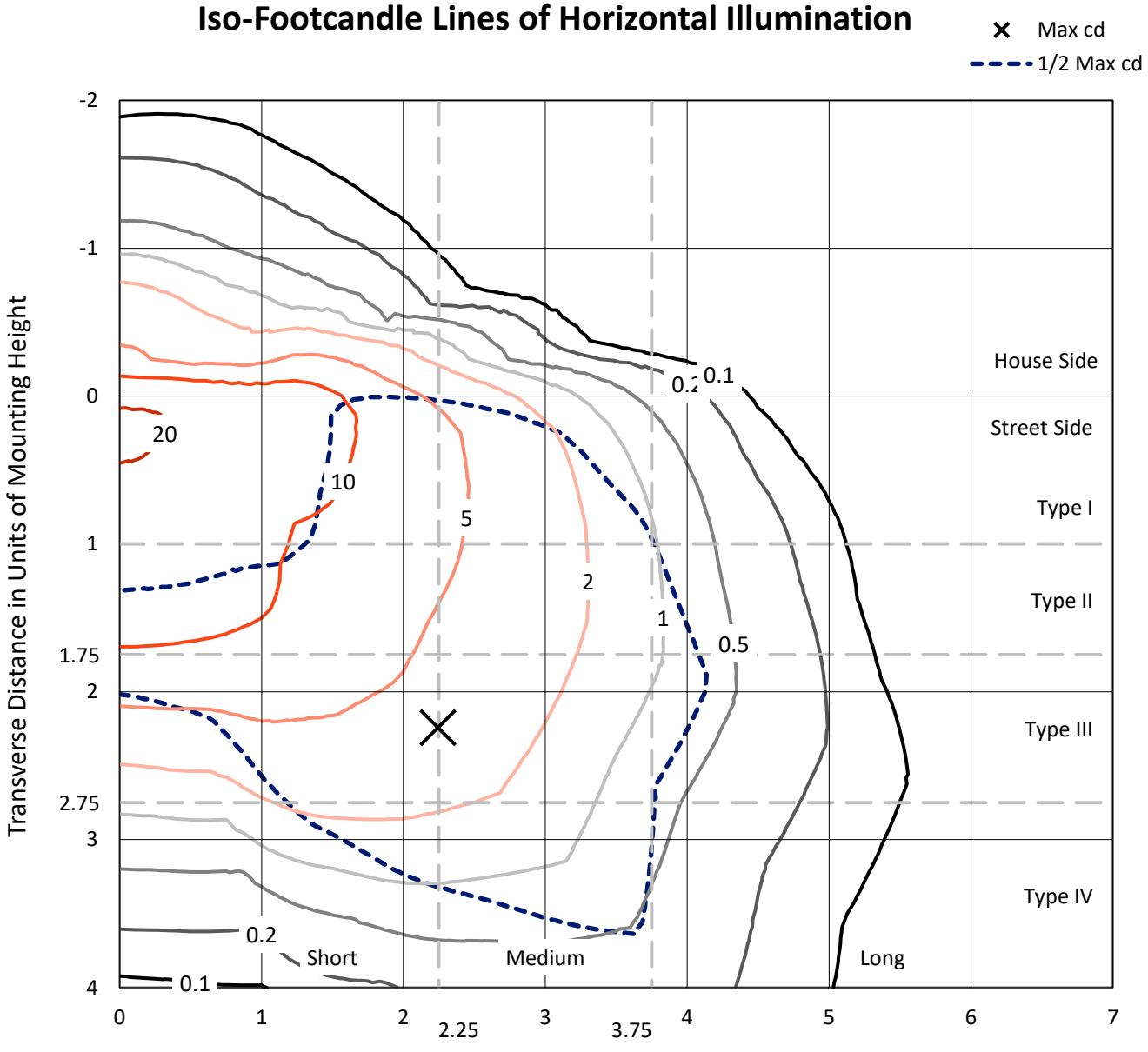


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Iso-Footcandle Lines of Horizontal Illumination



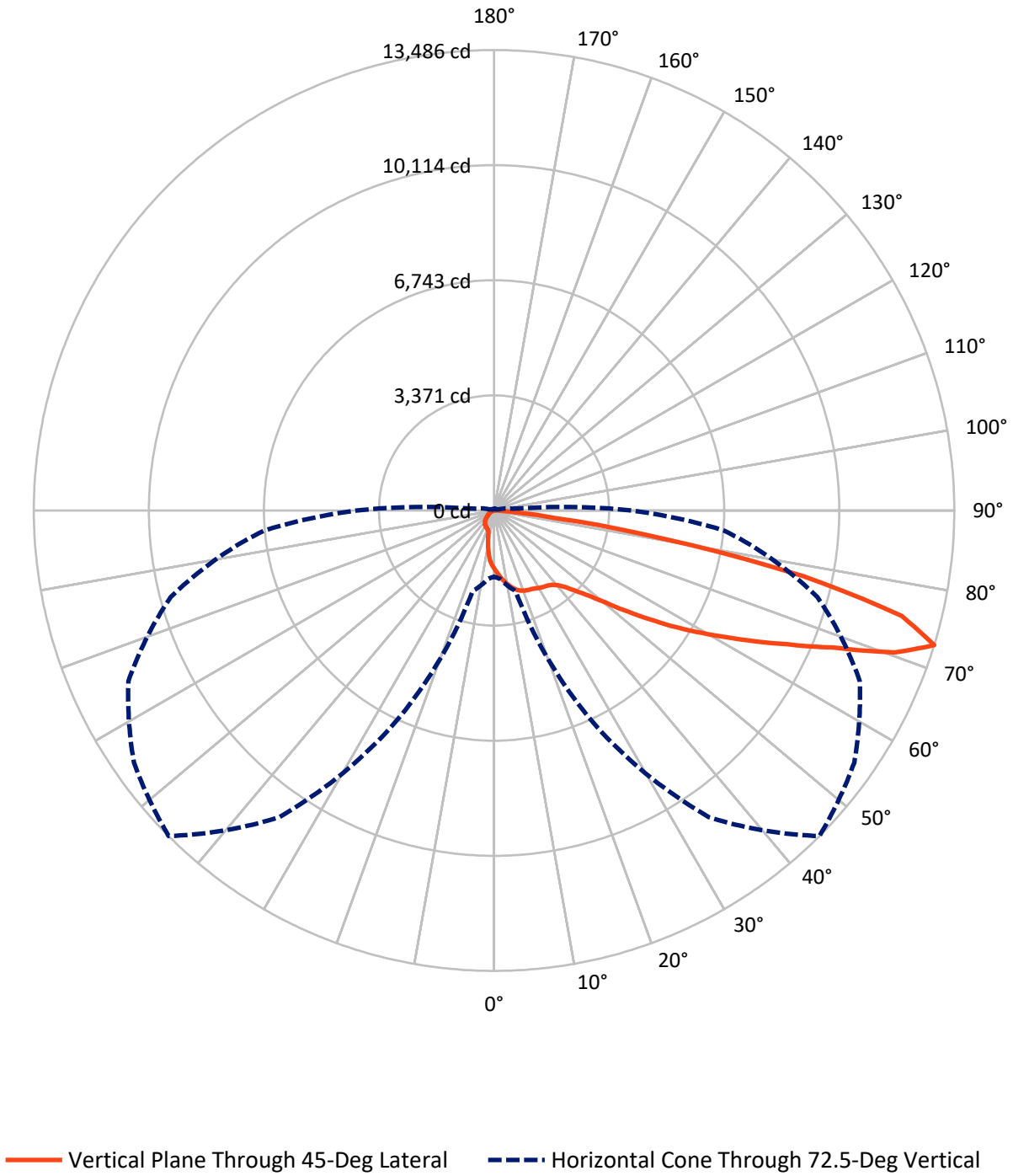
Based on 10 foot mounting height. Maximum calculated value = 23.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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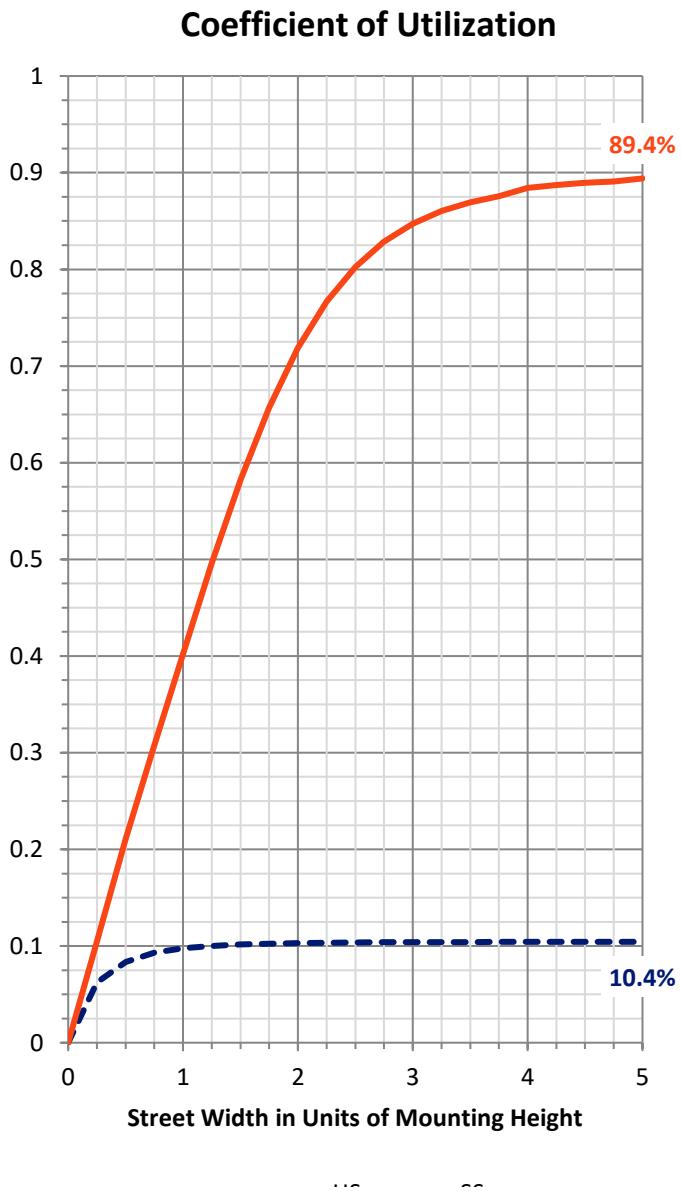
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1646.8	0.0	1646.8
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	14026.2	0.0	14026.2
	% Fixture	89.5	0.0	89.5
Total	Lumens	15673.0	0.0	15673.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.8	1.0
10°-20°	472.8	3.0
20°-30°	776.4	5.0
30°-40°	1101.1	7.0
40°-50°	1820.1	11.6
50°-60°	3269.6	20.9
60°-70°	4540.0	29.0
70°-80°	3293.2	21.0
80°-90°	238.1	1.5
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°	15673.0	100.0
0°-180°	15673.0	100.0



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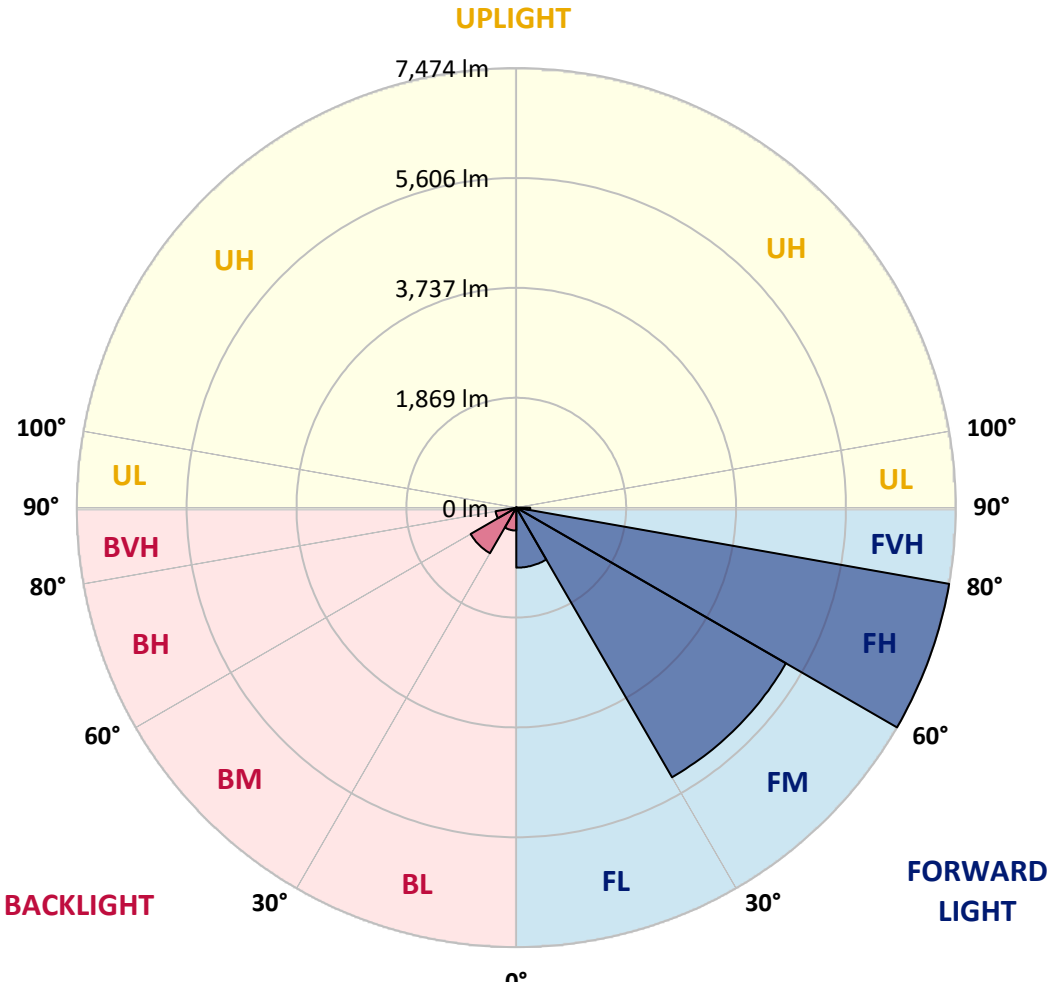
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1020.9	6.5			
FM	(30°-60°)	5295.2	33.8			
FH	(60°-80°)	7474.0	47.7			G3/7500
FVH	(80°-90°)	236.1	1.5			G3/500
BL	(0°-30°)	390.1	2.5	B1/500		
BM	(30°-60°)	895.6	5.7	B1/1000		
BH	(60°-80°)	359.1	2.3	B1/500		G1/500
BVH	(80°-90°)	2.0	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-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0
2.5°	1875.3	1878.5	1876.4	1863.6	1842.2	1830.4	1824.0	1802.6	1788.7	1764.1	1738.4
5°	2047.6	2060.4	2052.9	2027.2	1986.6	1957.7	1949.2	1905.3	1865.7	1819.7	1766.2
7.5°	2230.5	2236.9	2223.0	2189.9	2135.3	2086.1	2078.6	2017.6	1954.5	1883.9	1811.2
10°	2388.8	2396.3	2374.9	2326.8	2264.7	2203.8	2193.1	2125.7	2050.8	1964.1	1871.1
12.5°	2521.5	2529.0	2501.2	2443.4	2374.9	2311.8	2301.1	2230.5	2148.1	2051.9	1936.3
15°	2622.1	2636.0	2598.5	2536.5	2462.7	2399.5	2394.2	2324.7	2244.4	2137.4	2014.4
17.5°	2680.9	2694.8	2659.5	2584.6	2521.5	2468.0	2461.6	2403.8	2328.9	2226.2	2090.4
20°	2690.5	2703.4	2665.9	2600.7	2548.2	2505.4	2502.2	2460.5	2406.0	2307.5	2172.7
22.5°	2661.6	2677.7	2643.4	2591.0	2554.7	2532.2	2527.9	2504.4	2473.4	2389.9	2249.8
25°	2631.7	2644.5	2618.8	2572.8	2553.6	2551.4	2554.7	2550.4	2544.0	2473.4	2339.6
27.5°	2629.5	2643.4	2614.6	2570.7	2560.0	2582.5	2585.7	2606.0	2611.4	2549.3	2426.3
30°	2647.7	2657.4	2629.5	2583.5	2578.2	2629.5	2630.6	2667.0	2675.5	2613.5	2511.9
32.5°	2687.3	2698.0	2670.2	2602.8	2595.3	2667.0	2670.2	2718.3	2732.2	2682.0	2601.7
35°	2780.4	2793.2	2761.1	2656.3	2629.5	2702.3	2711.9	2768.6	2796.4	2754.7	2694.8
37.5°	3012.5	2975.1	2931.2	2764.3	2707.6	2757.9	2774.0	2840.3	2889.5	2841.4	2806.1
40°	3589.1	3471.5	3334.5	2948.3	2844.6	2876.7	2889.5	2955.8	3023.2	2976.2	2959.0
42.5°	4454.6	4315.5	4095.2	3372.0	3051.0	3067.1	3076.7	3134.5	3229.7	3192.2	3196.5
45°	5225.9	5175.6	4951.0	4095.2	3437.2	3358.1	3369.8	3399.8	3539.9	3526.0	3553.8
47.5°	5818.6	5789.7	5616.4	4925.3	4089.8	3714.3	3747.5	3761.4	3963.6	4012.8	4087.7
50°	6274.3	6263.6	6108.5	5663.5	4942.4	4239.6	4251.3	4221.4	4524.1	4646.1	4788.4
52.5°	6704.4	6740.7	6626.3	6349.2	5852.8	4927.4	4925.3	4784.1	5192.8	5376.8	5619.6
55°	7092.7	7105.5	7117.3	7048.8	6768.6	5710.5	5690.2	5459.1	5968.3	6158.8	6421.9
57.5°	7457.5	7462.8	7567.7	7707.8	7721.7	6551.4	6513.9	6236.9	6815.6	6951.5	7113.0
60°	7702.5	7727.1	7948.5	8337.9	8508.0	7419.0	7398.7	7116.2	7677.9	7741.0	7711.0
62.5°	7349.4	7499.2	8057.6	8830.0	9250.5	8380.7	8371.1	8105.8	8585.1	8533.7	8277.0
65°	5949.1	6202.6	7184.7	9162.7	9979.0	9454.8	9468.7	9186.3	9516.8	9350.0	8737.0
67.5°	4161.5	4428.9	5590.7	9189.5	10793.1	10716.1	10796.3	10353.4	10506.4	10132.0	8846.1
70°	2877.7	3015.7	3772.1	8613.9	11427.5	12453.4	12451.3	11786.9	11490.6	10488.2	8289.8
72.5°	1935.2	2006.9	2449.8	6833.8	10961.1	13485.8	13423.7	12882.4	11822.2	9808.9	6772.8
75°	816.2	868.7	1134.0	3840.5	8671.7	12337.9	12169.9	11384.7	10504.3	7723.9	4225.7
77.5°	258.9	281.4	447.2	1374.7	4776.6	9274.0	9096.4	7109.8	7040.3	3874.8	1544.8
80°	123.0	143.4	251.4	552.0	1879.6	5044.1	5019.4	3225.4	3028.6	1046.3	310.2
82.5°	53.5	63.1	139.1	295.3	840.9	1799.4	1835.8	1097.6	908.3	396.9	95.2
85°	17.1	22.5	64.2	135.9	355.2	447.2	441.8	261.0	365.9	216.1	33.2
87.5°	0.0	0.0	21.4	31.0	36.4	25.7	28.9	22.5	101.6	59.9	11.8
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°	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0	1717.0
2.5°	1725.6	1708.5	1678.5	1650.7	1626.1	1601.5	1586.5	1565.1	1563.0	1563.0	1568.3
5°	1737.3	1709.5	1656.0	1599.3	1534.1	1472.0	1410.0	1350.1	1330.8	1316.9	1323.3
7.5°	1771.6	1727.7	1643.2	1535.1	1411.1	1275.2	1180.0	1077.3	1037.7	1016.3	1019.5
10°	1820.8	1760.9	1632.5	1443.1	1242.0	1057.0	921.1	809.8	767.0	748.9	748.9
12.5°	1875.3	1801.5	1613.2	1328.7	1057.0	835.5	702.9	651.5	645.1	645.1	645.1
15°	1940.6	1850.7	1580.1	1193.9	863.3	661.1	614.1	616.2	622.6	626.9	626.9
17.5°	2008.0	1903.2	1527.7	1043.0	692.2	594.8	595.9	599.1	604.4	608.7	608.7
20°	2080.7	1955.6	1458.1	882.6	593.7	575.5	578.8	582.0	586.2	588.4	589.5
22.5°	2158.8	2004.8	1375.7	725.3	560.6	559.5	560.6	563.8	569.1	569.1	571.3
25°	2242.3	2059.3	1281.6	610.8	543.5	543.5	545.6	547.7	552.0	552.0	553.1
27.5°	2327.9	2109.6	1182.1	550.9	528.5	527.4	527.4	530.6	532.8	533.8	534.9
30°	2422.0	2168.5	1082.6	538.1	516.7	511.4	508.1	510.3	512.4	513.5	515.6
32.5°	2518.3	2225.2	993.8	543.5	504.9	495.3	484.6	482.5	482.5	486.8	490.0
35°	2625.3	2287.2	925.4	561.6	498.5	471.8	454.7	445.0	446.1	452.5	455.7
37.5°	2753.6	2362.1	875.1	577.7	494.2	445.0	417.2	405.4	398.0	405.4	403.3
40°	2921.6	2472.3	838.7	590.5	488.9	414.0	376.6	357.3	343.4	347.7	345.5
42.5°	3168.7	2645.6	824.8	591.6	477.1	377.6	334.8	309.2	288.8	289.9	285.6
45°	3515.3	2919.5	896.5	577.7	451.5	338.1	291.0	256.7	243.9	240.7	236.4
47.5°	3990.3	3318.5	1062.3	548.8	414.0	299.5	248.2	219.3	209.7	204.3	201.1
50°	4626.8	3830.9	1246.3	516.7	376.6	263.2	212.9	194.7	188.3	182.9	181.9
52.5°	5365.0	4350.8	1397.1	484.6	339.1	231.1	190.4	179.7	174.4	170.1	169.0
55°	6042.2	4709.2	1388.6	450.4	302.8	205.4	174.4	168.0	161.5	157.3	155.1
57.5°	6463.7	4759.5	1144.7	412.9	261.0	185.1	159.4	155.1	147.6	142.3	141.2
60°	6657.3	4472.8	802.3	363.7	219.3	165.8	143.4	141.2	131.6	124.1	122.0
62.5°	6692.6	3940.0	534.9	302.8	182.9	147.6	127.3	124.1	111.3	98.4	92.0
65°	6549.2	3178.3	370.1	236.4	156.2	128.4	109.1	102.7	88.8	76.0	71.7
67.5°	6095.7	2231.6	257.8	170.1	132.7	101.6	86.7	84.5	73.8	63.1	59.9
70°	5264.4	1272.0	172.2	127.3	104.8	69.5	68.5	70.6	59.9	51.3	47.1
72.5°	*4036.3*	*582.0*	*107.0*	*93.1*	*71.7*	*47.1*	*54.6*	*55.6*	*46.0*	*38.5*	*34.2*
75°	2376.0	249.3	67.4	59.9	36.4	31.0	39.6	40.7	31.0	24.6	21.4
77.5°	808.8	94.1	42.8	35.3	18.2	17.1	25.7	25.7	17.1	9.6	7.5
80°	184.0	35.3	21.4	13.9	8.6	7.5	8.6	7.5	4.3	1.1	0.0
82.5°	52.4	13.9	8.6	5.3	3.2	3.2	1.1	0.0	0.0	0.0	0.0
85°	15.0	6.4	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	1.1	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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(END OF REPORT)