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

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: P1203763

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

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203763
	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-SB2D-735-U-T4W
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20307 lumens
Efficiency:	N/A
Efficacy:	137.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G4

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

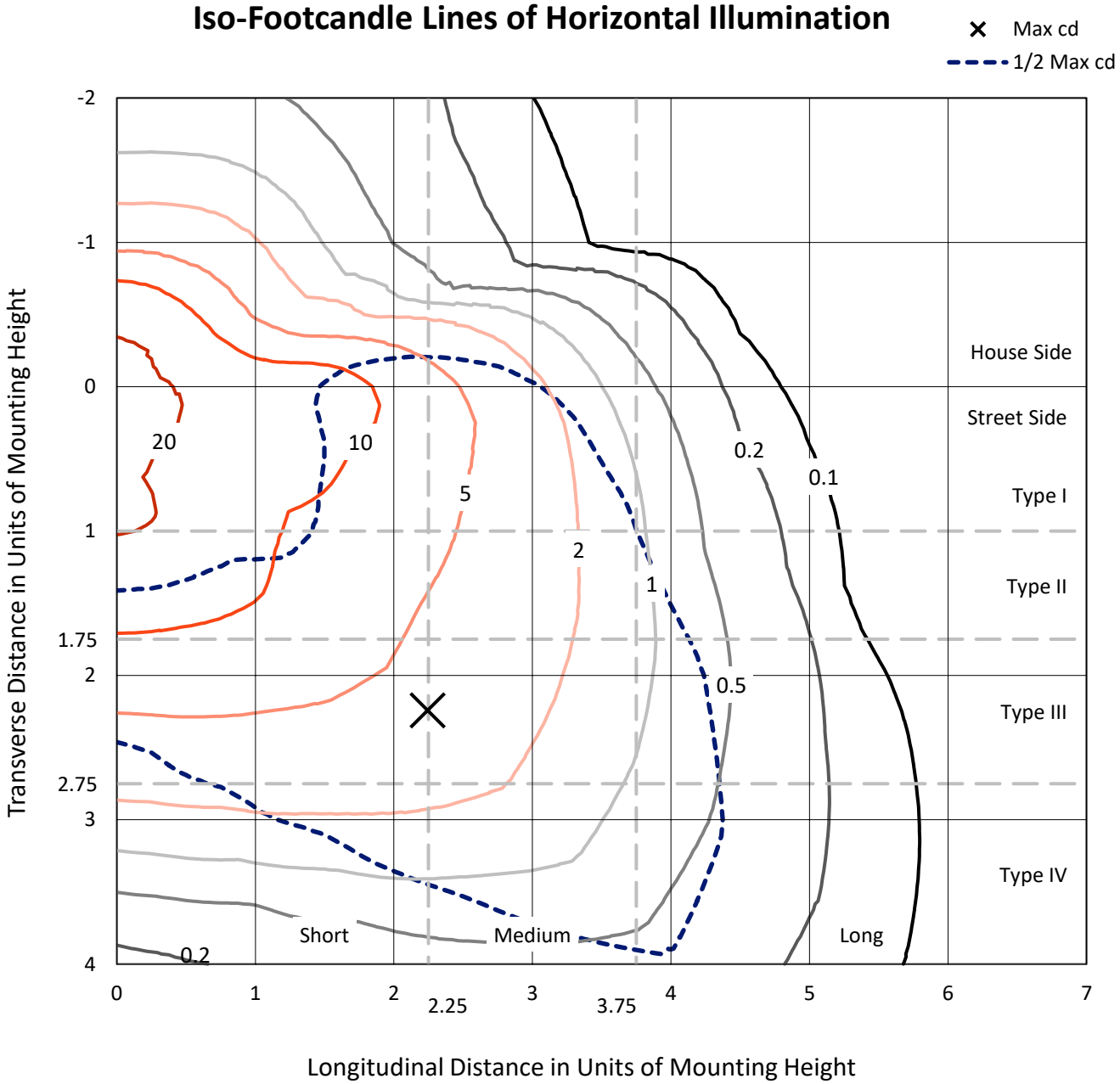


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Iso-Footcandle Lines of Horizontal Illumination



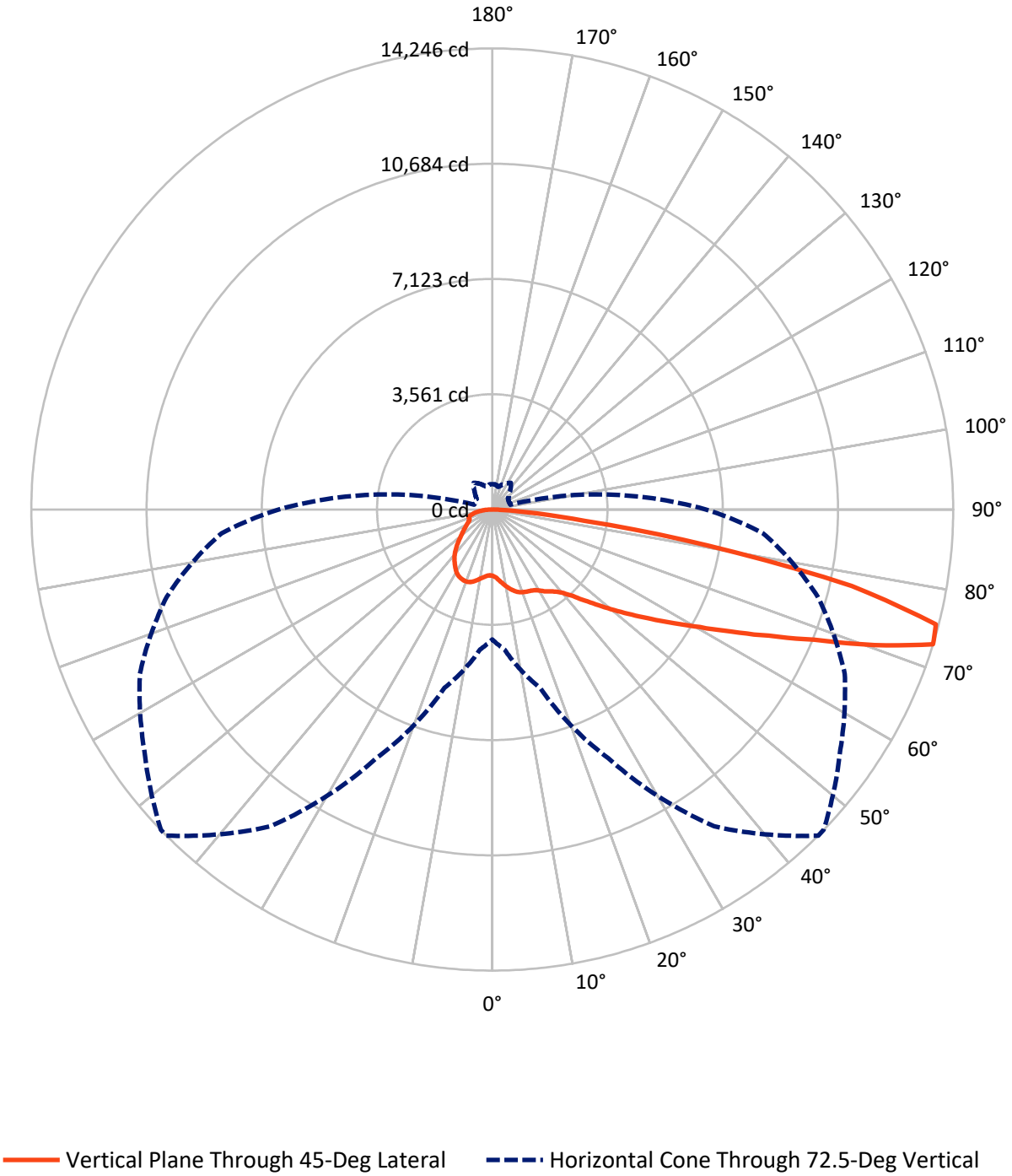
Based on 10 foot mounting height. Maximum calculated value = 25.4 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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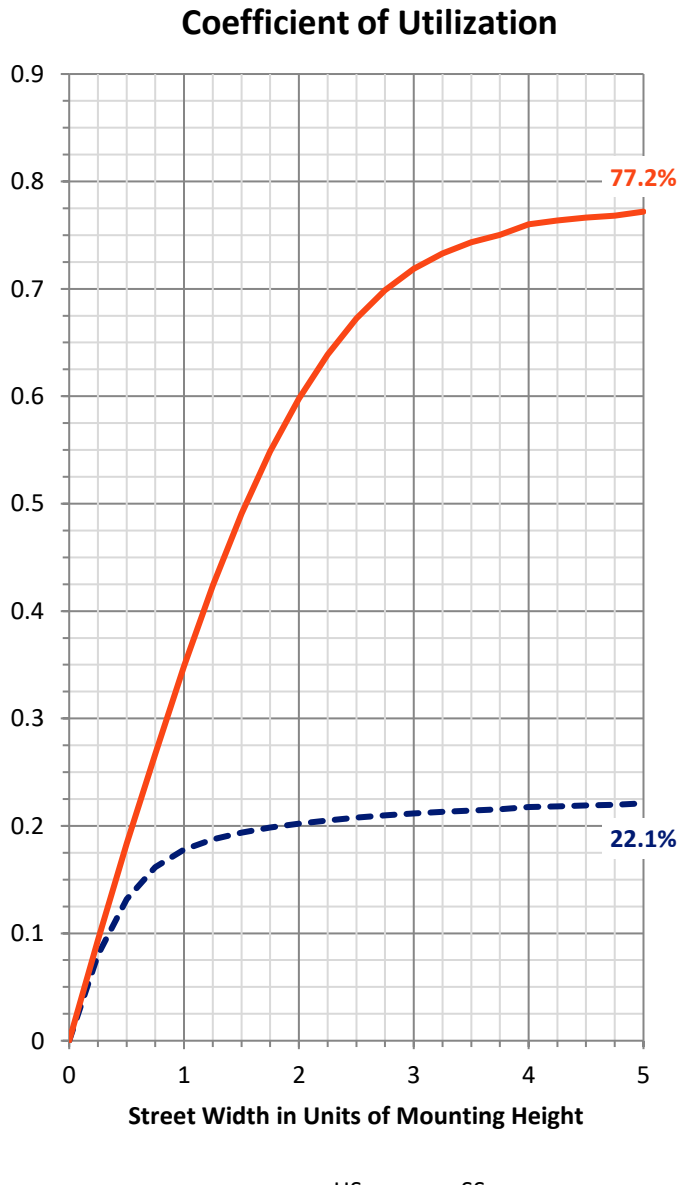
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4590.7	0.0	4590.7
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	15716.3	0.0	15716.3
	% Fixture	77.4	0.0	77.4
Total	Lumens	20307.0	0.0	20307.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.5	1.0
10°-20°	695.2	3.4
20°-30°	1209.3	6.0
30°-40°	1733.6	8.5
40°-50°	2441.0	12.0
50°-60°	3738.9	18.4
60°-70°	5416.4	26.7
70°-80°	4325.3	21.3
80°-90°	538.7	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°	20307.0	100.0
0°-180°	20307.0	100.0



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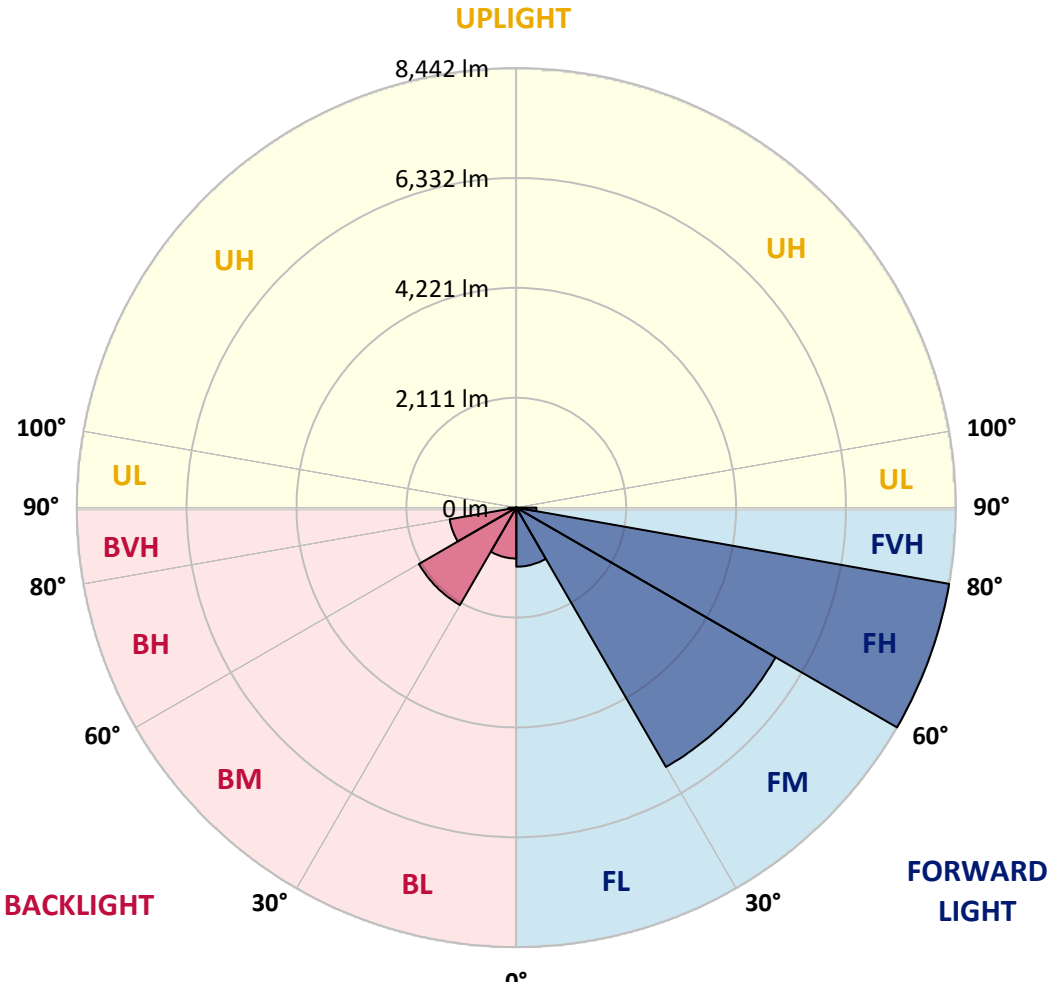
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1135.6	5.6			
FM	(30°-60°)	5752.0	28.3			
FH	(60°-80°)	8442.2	41.6			G4/12000
FVH	(80°-90°)	386.5	1.9			G3/500
BL	(0°-30°)	977.4	4.8	B2/1000		
BM	(30°-60°)	2161.6	10.6	B2/2500		
BH	(60°-80°)	1299.5	6.4	B3/2500		G3/2500
BVH	(80°-90°)	152.2	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6
2.5°	2128.8	2142.7	2129.9	2118.1	2112.8	2098.9	2097.8	2089.2	2083.9	2068.9	2064.6
5°	2277.5	2295.7	2274.3	2250.8	2229.4	2195.1	2190.9	2166.3	2138.4	2106.3	2088.2
7.5°	2445.5	2461.5	2436.9	2401.6	2364.2	2307.5	2306.4	2261.5	2217.6	2163.0	2132.0
10°	2592.0	2613.4	2580.2	2532.1	2485.0	2420.9	2413.4	2362.0	2306.4	2235.8	2188.7
12.5°	2721.5	2736.4	2704.3	2645.5	2590.9	2526.8	2517.1	2460.4	2398.4	2318.2	2258.3
15°	2824.2	2843.4	2800.6	2737.5	2679.7	2616.6	2608.1	2556.7	2494.7	2410.2	2333.1
17.5°	2891.5	2907.6	2863.7	2793.1	2737.5	2685.1	2678.7	2635.9	2581.3	2495.7	2413.4
20°	2917.2	2934.3	2888.3	2816.7	2765.3	2724.7	2721.5	2690.4	2653.0	2574.9	2491.5
22.5°	2942.9	2958.9	2899.0	2824.2	2779.2	2753.5	2752.5	2732.2	2717.2	2653.0	2571.7
25°	3046.7	3050.9	2970.7	2862.7	2798.5	2776.0	2774.9	2773.9	2780.3	2730.0	2658.3
27.5°	3136.5	3135.5	3067.0	2965.4	2865.9	2818.8	2817.7	2828.4	2848.8	2807.0	2748.2
30°	3268.1	3256.3	3175.0	3069.1	2978.2	2905.5	2899.0	2889.4	2905.5	2872.3	2838.1
32.5°	3547.3	3509.9	3378.3	3190.0	3071.3	3015.6	3007.1	2947.2	2953.6	2933.3	2916.2
35°	3947.4	3898.2	3722.7	3418.9	3186.8	3107.6	3103.4	3027.4	3014.6	2996.4	3002.8
37.5°	4423.4	4362.5	4158.1	3750.6	3385.8	3214.6	3208.2	3139.7	3087.3	3068.1	3104.4
40°	4901.6	4824.6	4655.6	4154.9	3678.9	3393.3	3372.9	3269.2	3209.3	3177.2	3254.2
42.5°	5365.9	5301.7	5157.3	4608.5	4040.5	3654.3	3609.4	3431.8	3386.8	3356.9	3496.0
45°	5776.7	5718.9	5613.0	5093.1	4464.1	4009.4	3965.6	3675.7	3661.8	3661.8	3862.9
47.5°	6110.4	6097.6	5985.3	5587.3	4963.7	4413.8	4337.9	4014.8	4052.2	4110.0	4383.9
50°	6480.6	6445.3	6325.5	6074.1	5551.0	4877.0	4815.0	4430.9	4571.1	4729.4	5137.0
52.5°	6820.8	6840.0	6706.3	6581.1	6214.2	5393.7	5284.6	4921.9	5224.7	5486.8	6019.5
55°	7170.6	7171.6	7134.2	7117.1	6909.5	5965.0	5845.1	5512.4	5993.8	6319.0	7048.6
57.5°	7499.0	7501.1	7556.8	7707.6	7716.1	6623.9	6488.1	6237.7	6848.6	7180.2	8109.8
60°	7792.1	7807.1	7959.0	8312.0	8425.4	7379.2	7250.8	7094.6	7732.2	8066.0	9225.6
62.5°	7890.5	7945.1	8283.1	8784.8	9126.1	8305.6	8179.3	8086.3	8660.7	8971.0	10158.4
65°	7723.6	7848.8	8502.4	9175.3	9847.1	9406.4	9281.2	9179.6	9625.7	9917.7	10924.3
67.5°	7313.9	7475.4	8489.6	9585.0	10722.2	10730.7	10614.1	10375.6	10660.1	10772.4	11173.6
70°	6234.5	6476.3	7741.8	9738.0	11726.7	12541.8	12429.5	11815.4	11692.4	11149.0	10471.8
72.5°	4016.9	4342.1	5700.7	8478.9	11950.2	14245.9	14239.5	13115.2	12018.7	10417.3	8398.6
75°	1465.6	1664.5	2648.7	5322.0	10031.1	14159.3	14201.0	12892.7	10971.4	8046.7	5232.2
77.5°	533.8	584.1	864.4	2045.4	6169.3	11360.8	11447.4	10307.1	7809.2	4038.3	2073.2
80°	280.3	308.1	442.9	793.8	2643.4	6746.9	6882.8	6125.4	3670.3	1216.3	621.5
82.5°	155.1	168.0	248.2	431.1	1190.6	2885.1	2966.4	2419.8	1291.2	515.6	256.7
85°	83.4	88.8	116.6	235.3	581.9	1000.2	1022.7	723.2	514.6	302.7	124.1
87.5°	24.6	30.0	38.5	74.9	227.9	224.6	230.0	143.3	203.3	153.0	40.7
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°	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6	2048.6
2.5°	2058.2	2055.0	2043.2	2037.9	2031.5	2030.4	2035.7	2036.8	2037.9	2039.0	2043.2
5°	2077.5	2066.8	2056.1	2049.7	2051.8	2052.9	2063.6	2071.0	2076.4	2080.7	2082.8
7.5°	2114.9	2106.3	2088.2	2087.1	2090.3	2099.9	2113.8	2131.0	2140.6	2148.1	2150.2
10°	2170.5	2154.5	2133.1	2136.3	2142.7	2156.6	2185.5	2199.4	2215.5	2229.4	2226.2
12.5°	2227.2	2213.3	2188.7	2190.9	2201.6	2226.2	2254.0	2271.1	2281.8	2292.5	2296.8
15°	2301.0	2276.4	2249.7	2249.7	2269.0	2295.7	2308.5	2322.4	2328.9	2340.6	2344.9
17.5°	2377.0	2344.9	2309.6	2307.5	2331.0	2343.8	2351.3	2353.5	2355.6	2368.4	2372.7
20°	2452.9	2417.6	2367.4	2363.1	2368.4	2366.3	2365.2	2363.1	2366.3	2382.3	2388.8
22.5°	2527.8	2487.2	2417.6	2398.4	2383.4	2363.1	2362.0	2360.9	2363.1	2379.1	2389.8
25°	2615.6	2566.3	2473.3	2415.5	2365.2	2337.4	2340.6	2341.7	2343.8	2356.7	2373.8
27.5°	2710.8	2656.2	2524.6	2410.2	2319.2	2300.0	2294.6	2297.8	2305.3	2325.6	2346.0
30°	2806.0	2741.8	2571.7	2388.8	2261.5	2234.7	2217.6	2225.1	2248.6	2269.0	2291.4
32.5°	2892.6	2828.4	2609.1	2341.7	2187.6	2145.9	2123.5	2133.1	2156.6	2164.1	2190.9
35°	2994.2	2921.5	2625.2	2266.8	2107.4	2043.2	2013.3	1999.4	2011.1	2003.7	2027.2
37.5°	3107.6	3031.7	2623.0	2168.4	2013.3	1939.5	1897.7	1845.3	1820.7	1795.0	1811.1
40°	3275.6	3166.5	2597.4	2049.7	1896.7	1829.3	1754.4	1665.6	1610.0	1559.7	1562.9
42.5°	3504.5	3353.7	2550.3	1919.1	1765.1	1702.0	1600.4	1496.6	1408.9	1325.4	1317.9
45°	3845.8	3598.7	2491.5	1780.1	1622.8	1560.8	1450.6	1334.0	1234.5	1127.5	1114.7
47.5°	4337.9	3928.1	2435.8	1621.7	1473.1	1416.4	1316.9	1208.8	1091.2	987.4	975.6
50°	5013.9	4401.0	2384.5	1467.7	1325.4	1282.6	1203.5	1093.3	974.5	891.1	885.8
52.5°	5874.0	5043.9	2363.1	1319.0	1187.4	1171.4	1108.3	1005.6	893.2	822.6	817.3
55°	6861.4	5813.0	2363.1	1176.7	1066.5	1071.9	1028.0	932.8	835.5	772.4	765.9
57.5°	7869.1	6591.8	2320.3	1045.2	963.8	986.3	958.5	875.1	787.3	722.1	711.4
60°	8797.7	7244.4	2147.0	925.3	872.9	908.2	890.0	818.4	711.4	656.8	648.3
62.5°	9511.2	7612.4	1813.2	830.1	798.0	838.7	829.1	743.5	697.5	675.0	667.5
65°	9868.5	7552.5	1386.4	745.6	734.9	798.0	777.7	774.5	738.1	712.5	703.9
67.5°	9649.2	7036.8	1005.6	683.6	698.6	760.6	838.7	851.5	784.1	733.9	725.3
70°	8687.5	6104.0	748.8	624.7	652.6	761.7	956.4	891.1	769.2	710.3	700.7
72.5°	*6608.9*	*4551.8*	*580.9*	*562.7*	*592.6*	*767.0*	*1008.8*	*872.9*	*726.4*	*785.2*	*778.8*
75°	3779.4	2498.9	466.4	486.7	517.8	716.7	982.0	825.9	693.2	721.0	721.0
77.5°	1441.0	960.6	385.1	411.9	416.1	625.8	939.2	822.6	660.0	644.0	587.3
80°	499.6	375.5	318.8	327.3	322.0	556.3	900.7	715.7	540.2	483.5	467.5
82.5°	204.3	187.2	252.5	241.8	228.9	432.2	727.4	585.2	441.8	390.5	386.2
85°	88.8	118.7	166.9	146.6	132.6	299.5	583.0	495.3	373.3	322.0	320.9
87.5°	18.2	44.9	70.6	66.3	68.5	200.0	414.0	351.9	264.2	197.9	155.1
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)