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: P1203761

Luminaire Tested: GWC-SB2D-735-U-T4FT

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203761
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-735-U-T4FT
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV FORWARD THRC OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	20110 lumens
Efficiency:	N/A
Efficacy:	136.2 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

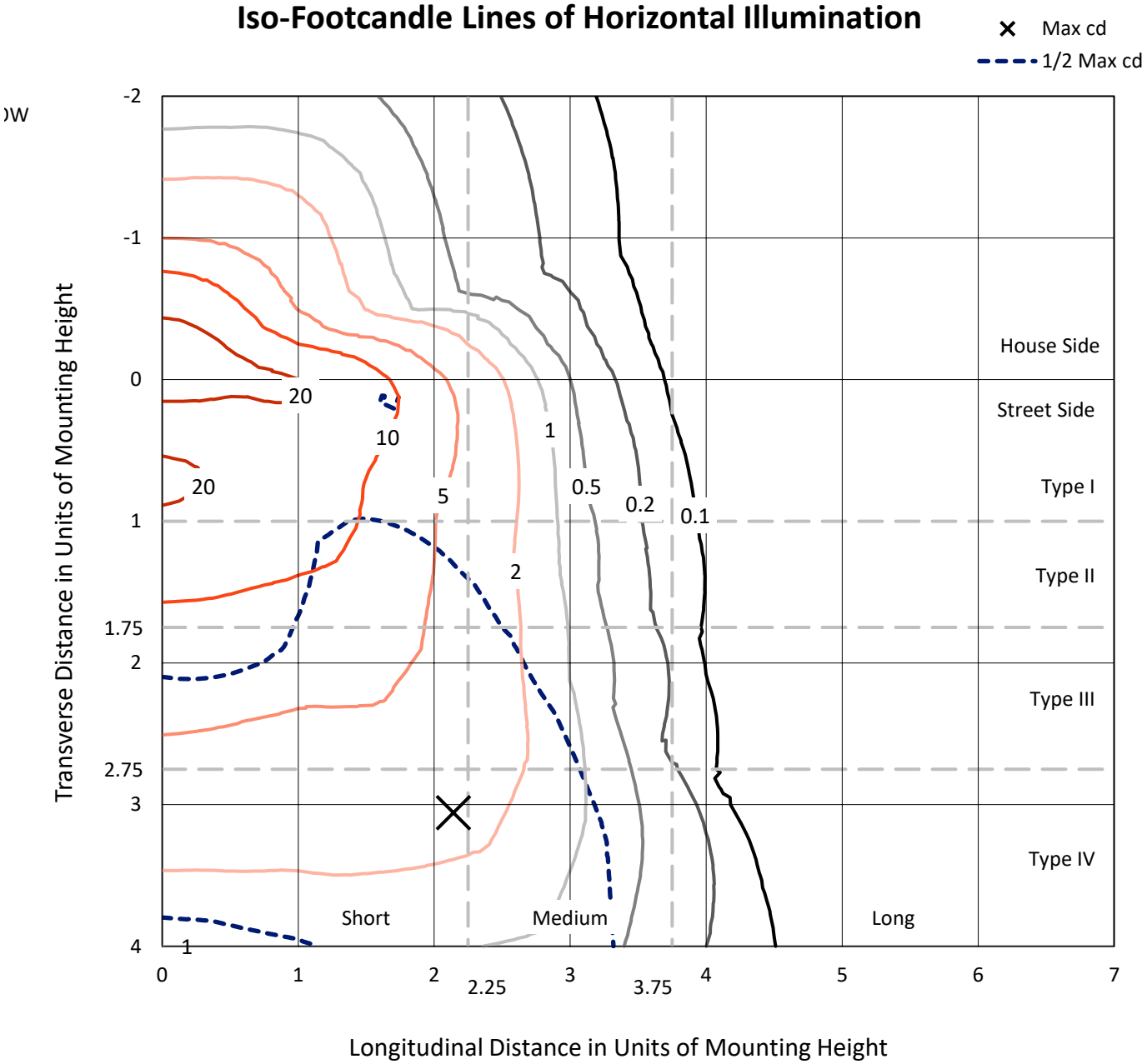


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Iso-Footcandle Lines of Horizontal Illumination



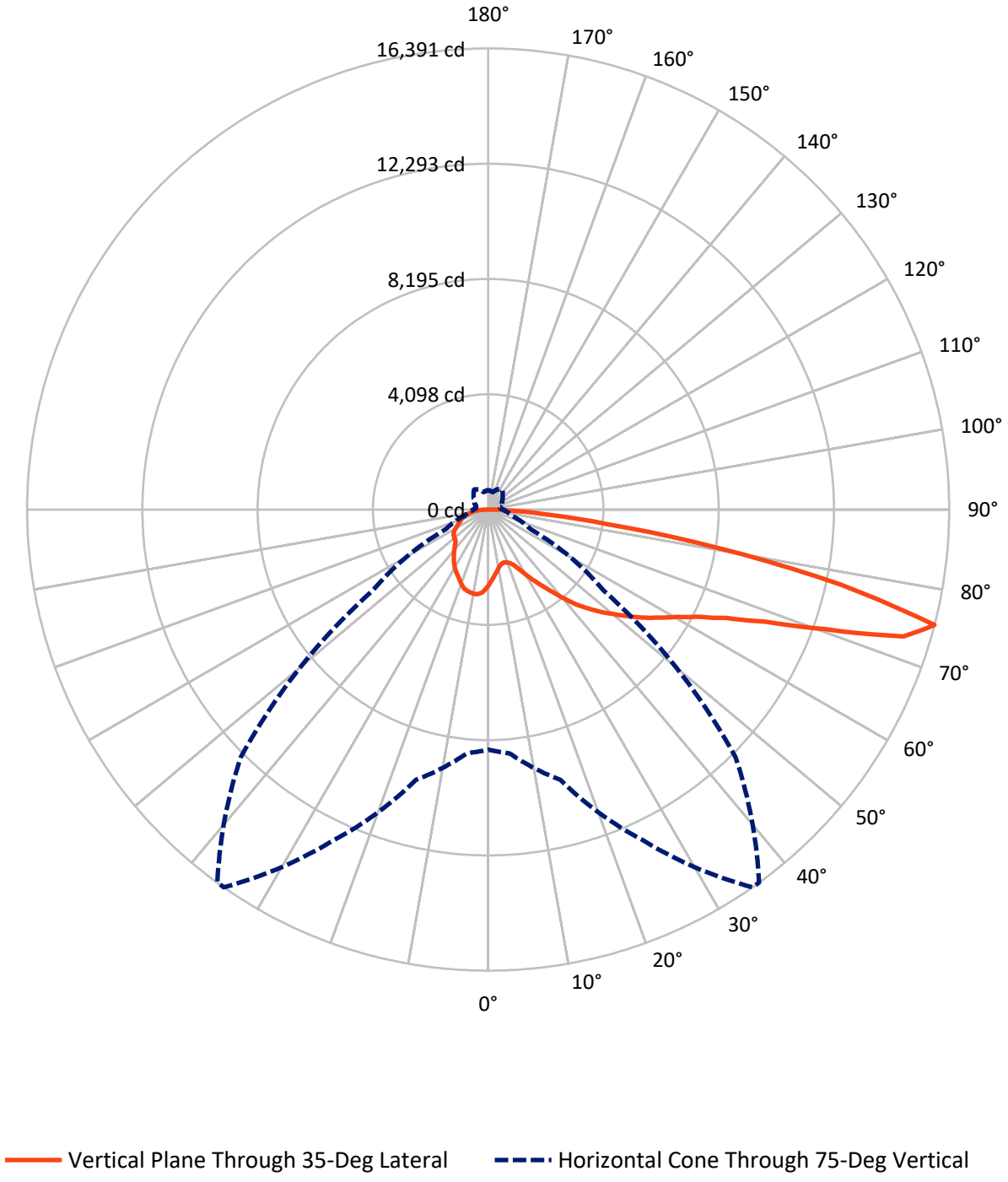
Based on 10 foot mounting height. Maximum calculated value = 29.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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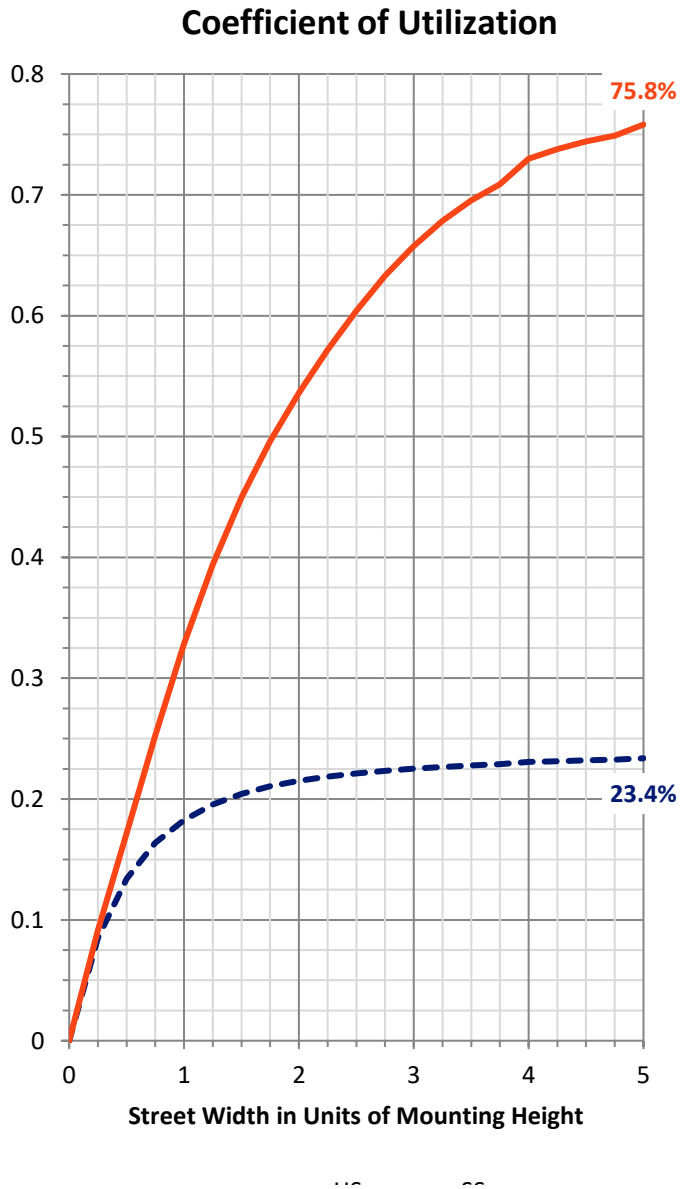
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4785.7	0.0	4785.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	15324.3	0.0	15324.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	20110.0	0.0	20110.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.7	1.3
10°-20°	731.8	3.6
20°-30°	1229.0	6.1
30°-40°	1910.0	9.5
40°-50°	2834.9	14.1
50°-60°	3913.8	19.5
60°-70°	4748.3	23.6
70°-80°	3924.1	19.5
80°-90°	564.4	2.8
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°	20110.0	100.0
0°-180°	20110.0	100.0



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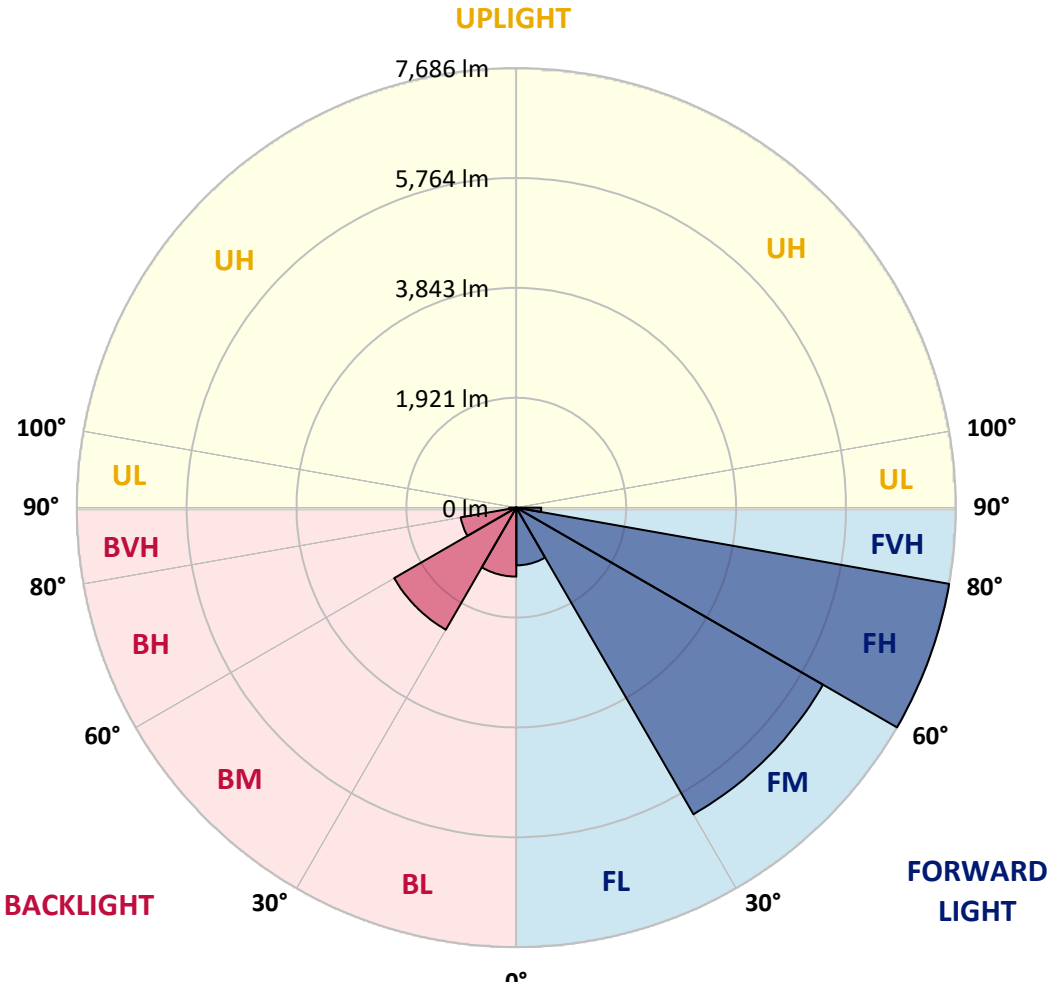
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1008.5	5.0			
FM	(30°-60°)	6192.8	30.8			
FH	(60°-80°)	7685.7	38.2			G4/12000
FVH	(80°-90°)	437.3	2.2			G3/500
BL	(0°-30°)	1206.1	6.0	B3/2500		
BM	(30°-60°)	2465.9	12.3	B2/2500		
BH	(60°-80°)	986.7	4.9	B2/1000		G2/1000
BVH	(80°-90°)	127.1	0.6			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°	36°	45°	55°	65°	75°	85°
0°	2679.8	2679.8	2679.8	2679.8	*2679.8*	2679.8	2679.8	2679.8	2679.8	2679.8	2679.8
2.5°	2471.1	2486.3	2492.8	2489.5	*2505.9*	2503.7	2526.5	2554.8	2593.9	2632.0	2687.4
5°	2280.8	2297.1	2311.3	2324.3	*2355.8*	2365.6	2401.5	2455.8	2527.6	2600.4	2691.8
7.5°	2103.6	2117.7	2139.5	2163.4	*2216.7*	2226.5	2286.2	2371.0	2471.1	2577.6	2703.7
10°	1959.0	1973.2	1996.0	2023.2	*2089.5*	2101.4	2177.5	2290.6	2421.1	2555.9	2716.8
12.5°	1897.1	1901.4	1914.4	1941.6	*1999.2*	2006.9	2090.6	2219.9	2372.1	2539.6	2736.3
15°	1893.8	1902.5	1903.6	1917.7	*1965.5*	1968.8	2046.0	2174.3	2341.7	2536.3	2765.7
17.5°	1926.4	1932.9	1923.1	1931.8	*1972.1*	1977.5	2038.4	2152.5	2331.9	2550.4	2815.7
20°	2013.4	2018.8	1989.5	1977.5	*2006.9*	2011.2	2071.0	2166.7	2341.7	2579.8	2884.2
22.5°	2198.2	2201.5	2129.7	2080.8	*2083.0*	2085.1	2137.3	2224.3	2379.7	2633.0	2971.1
25°	2486.3	2484.1	2370.0	2275.4	*2221.0*	2209.1	2243.9	2317.8	2443.9	2703.7	3083.1
27.5°	2823.3	2807.0	2692.8	2551.5	*2433.0*	2415.6	2408.0	2439.5	2535.2	2797.2	3220.1
30°	3203.8	3188.6	3065.7	2880.9	*2716.8*	2688.5	2616.7	2600.4	2671.1	2924.4	3410.3
32.5°	3621.3	3611.5	3464.7	3240.8	*3021.2*	2988.5	2867.9	2824.4	2879.8	3116.8	3675.6
35°	3971.3	3962.6	3840.9	3610.4	*3341.9*	3301.6	3178.8	3129.9	3158.1	3363.6	4022.4
37.5°	4287.7	4283.3	4179.0	3997.4	*3720.2*	3671.3	3533.2	3516.9	3511.5	3688.7	4443.1
40°	4581.2	4570.3	4461.6	4365.9	*4160.5*	4115.9	3994.1	3980.0	3938.7	4088.7	4919.3
42.5°	4906.3	4878.0	4720.4	4675.8	*4620.3*	4583.4	4510.5	4512.7	4421.4	4539.9	5423.7
45°	5171.5	5155.2	4993.2	4967.1	*5026.9*	5011.7	5074.8	5091.1	4913.9	5012.8	5947.7
47.5°	5456.3	5441.1	5304.1	5285.7	*5447.6*	5452.0	5674.9	5680.3	5394.4	5504.2	6472.8
50°	5807.5	5785.7	5649.9	5672.7	*5854.2*	5870.5	6278.2	6241.3	5836.8	6003.2	6993.6
52.5°	6039.0	6052.1	6022.7	6059.7	*6307.6*	6322.8	6871.8	6777.2	6275.0	6495.6	7504.5
55°	6209.7	6235.8	6327.1	6411.9	*6785.9*	6801.1	7431.7	7287.1	6638.1	6952.2	7985.0
57.5°	6429.3	6392.4	6563.0	6728.3	*7240.3*	7280.6	7976.3	7778.5	6959.9	7345.8	8314.4
60°	6744.6	6718.5	6851.1	7095.7	*7749.1*	7813.3	8552.5	8220.9	7195.8	7657.8	8378.6
62.5°	7383.8	7318.6	7339.3	7555.6	*8390.5*	8475.3	9202.6	8606.9	7313.2	7779.6	8035.0
65°	8339.4	8227.5	8123.1	8273.1	*9293.9*	9377.6	9936.4	8910.2	7269.7	7543.6	7122.9
67.5°	9542.9	9432.0	9303.7	9445.0	*10624.6*	10690.9	10842.0	9080.9	6927.2	6634.8	5510.7
70°	10535.4	10494.1	10647.4	11229.0	*12749.9*	12752.1	12003.1	8939.5	5989.0	4704.0	3188.6
72.5°	10403.9	10378.9	11186.6	12984.8	*15428.7*	15371.0	13102.2	7869.8	4034.4	2122.1	1194.8
75°	*8535.1*	*8697.1*	*9948.4*	*12953.2*	*16390.8*	*16383.2*	*12429.2*	*5003.0*	*1668.8*	*879.5*	*617.5*
77.5°	4576.8	4833.4	6458.7	9563.5	*12795.6*	12988.0	8738.4	1750.3	716.4	563.1	427.2
80°	1492.6	1716.6	2574.3	4869.3	*8314.4*	8278.6	3745.2	687.1	490.3	399.0	295.7
82.5°	633.8	659.9	1150.2	2299.3	*4267.0*	4200.7	1192.6	394.6	344.6	272.9	182.6
85°	247.9	277.2	507.7	1063.2	*1848.1*	1807.9	430.5	195.7	220.7	178.3	108.7
87.5°	81.5	98.9	181.6	364.2	*575.1*	554.4	105.5	67.4	95.7	81.5	39.1
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2679.8	2679.8	2679.8	2679.8	2679.8	2679.8	2679.8	2679.8	2679.8	2679.8	2679.8
2.5°	2702.6	2720.0	2740.7	2771.1	2797.2	2818.9	2841.8	2855.9	2861.3	2877.7	2876.6
5°	2722.2	2760.2	2811.3	2861.3	2910.3	2939.6	2965.7	2978.8	2990.7	2999.4	3001.6
7.5°	2754.8	2803.7	2884.2	2949.4	2990.7	3014.6	3032.0	3027.7	3032.0	3034.2	3037.5
10°	2783.1	2851.6	2947.2	3009.2	3040.7	3041.8	3037.5	3022.2	3014.6	3015.7	3017.9
12.5°	2816.8	2892.9	2996.2	3048.3	3057.0	3033.1	3014.6	2988.5	2978.8	2974.4	2972.2
15°	2862.4	2949.4	3049.4	3069.0	3047.2	3016.8	2985.3	2942.9	2921.1	2903.7	2909.2
17.5°	2917.9	3013.5	3090.7	3076.6	3029.9	2979.8	2928.7	2864.6	2820.0	2801.6	2802.6
20°	2995.1	3080.9	3122.3	3060.3	2989.6	2913.5	2826.6	2748.3	2707.0	2688.5	2686.3
22.5°	3088.6	3171.2	3152.7	3032.0	2932.0	2810.3	2701.5	2643.9	2623.3	2610.2	2612.4
25°	3200.5	3271.2	3174.4	2990.7	2837.4	2673.3	2589.6	2571.1	2561.3	2551.5	2551.5
27.5°	3346.2	3384.3	3190.7	2929.8	2689.6	2527.6	2497.2	2500.4	2497.2	2480.8	2484.1
30°	3538.6	3531.0	3206.0	2830.9	2520.0	2396.1	2398.2	2412.4	2414.5	2403.7	2409.1
32.5°	3791.9	3714.7	3213.6	2702.6	2358.0	2280.8	2283.0	2298.2	2309.1	2290.6	2299.3
35°	4098.5	3928.9	3201.6	2541.7	2233.0	2171.0	2154.7	2159.1	2162.3	2144.9	2156.9
37.5°	4456.2	4169.2	3148.3	2363.4	2129.7	2063.4	2028.6	1999.2	1981.9	1965.5	1976.4
40°	4848.6	4431.2	3050.5	2189.5	2014.5	1949.2	1897.1	1841.6	1782.9	1761.2	1770.9
42.5°	5259.6	4700.8	2932.0	2023.2	1881.8	1828.6	1773.1	1692.7	1604.6	1560.0	1565.5
45°	5685.7	4976.9	2815.7	1859.0	1745.9	1723.1	1659.0	1562.2	1466.5	1410.0	1405.7
47.5°	6103.2	5237.8	2645.0	1693.8	1618.7	1643.8	1593.7	1504.6	1398.1	1308.9	1299.1
50°	6502.2	5482.4	2365.6	1526.3	1515.5	1619.8	1572.0	1443.7	1322.0	1207.8	1198.0
52.5°	6897.9	5680.3	2007.9	1374.1	1460.0	1613.3	1543.7	1402.4	1253.5	1133.9	1120.8
55°	7233.8	5782.5	1663.3	1243.7	1379.6	1557.9	1510.0	1353.5	1156.7	1029.5	1018.6
57.5°	7425.1	5699.9	1376.3	1115.4	1268.7	1466.5	1452.4	1249.1	1041.5	943.6	930.6
60°	7342.5	5365.0	1141.5	1003.4	1163.2	1367.6	1352.4	1145.8	953.4	861.0	848.0
62.5°	6887.0	4726.9	955.6	905.6	1067.6	1266.5	1252.4	1066.5	886.0	796.9	782.7
65°	5969.5	3845.2	811.0	824.1	970.8	1144.8	1165.4	1000.2	832.7	745.8	731.6
67.5°	4552.9	2785.2	697.9	753.4	876.2	1025.2	1085.0	952.3	788.2	705.6	692.5
70°	2595.0	1581.8	602.3	684.9	792.5	914.3	1023.0	914.3	740.3	671.9	663.2
72.5°	983.9	726.2	520.7	616.4	712.1	820.8	954.5	854.5	684.9	633.8	625.1
75°	*525.1*	*442.5*	*438.1*	*536.0*	*619.7*	*729.5*	*868.6*	*795.8*	*643.6*	*669.7*	*691.4*
77.5°	357.7	313.1	366.4	458.8	518.6	628.4	777.3	706.6	557.7	555.5	512.0
80°	247.9	221.8	297.9	369.6	401.2	528.3	678.4	606.6	454.4	424.0	405.5
82.5°	148.9	144.6	222.9	276.1	283.7	407.7	562.1	508.8	371.8	324.0	326.1
85°	81.5	85.9	142.4	162.0	165.2	284.8	440.3	393.5	285.9	240.3	242.4
87.5°	22.8	29.4	52.2	64.1	79.4	147.9	262.0	233.7	143.5	100.0	100.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0


HS
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(END OF REPORT)