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: P1203750

Luminaire Tested: GWC-SB2D-735-U-SL4-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203750
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-735-U-SL4-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14203 lumens
Efficiency:	N/A
Efficacy:	96.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B2 - 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

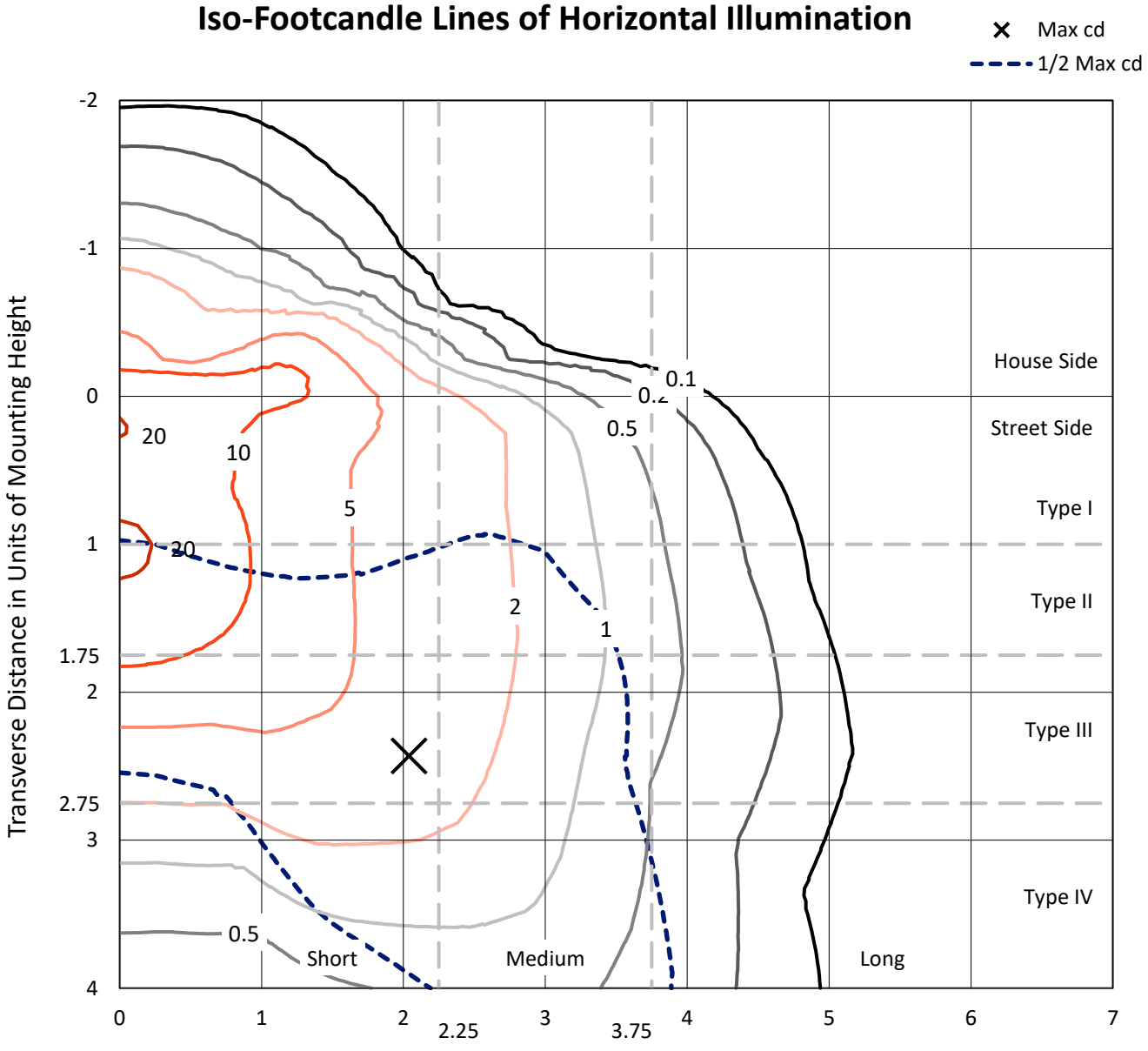


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Iso-Footcandle Lines of Horizontal Illumination



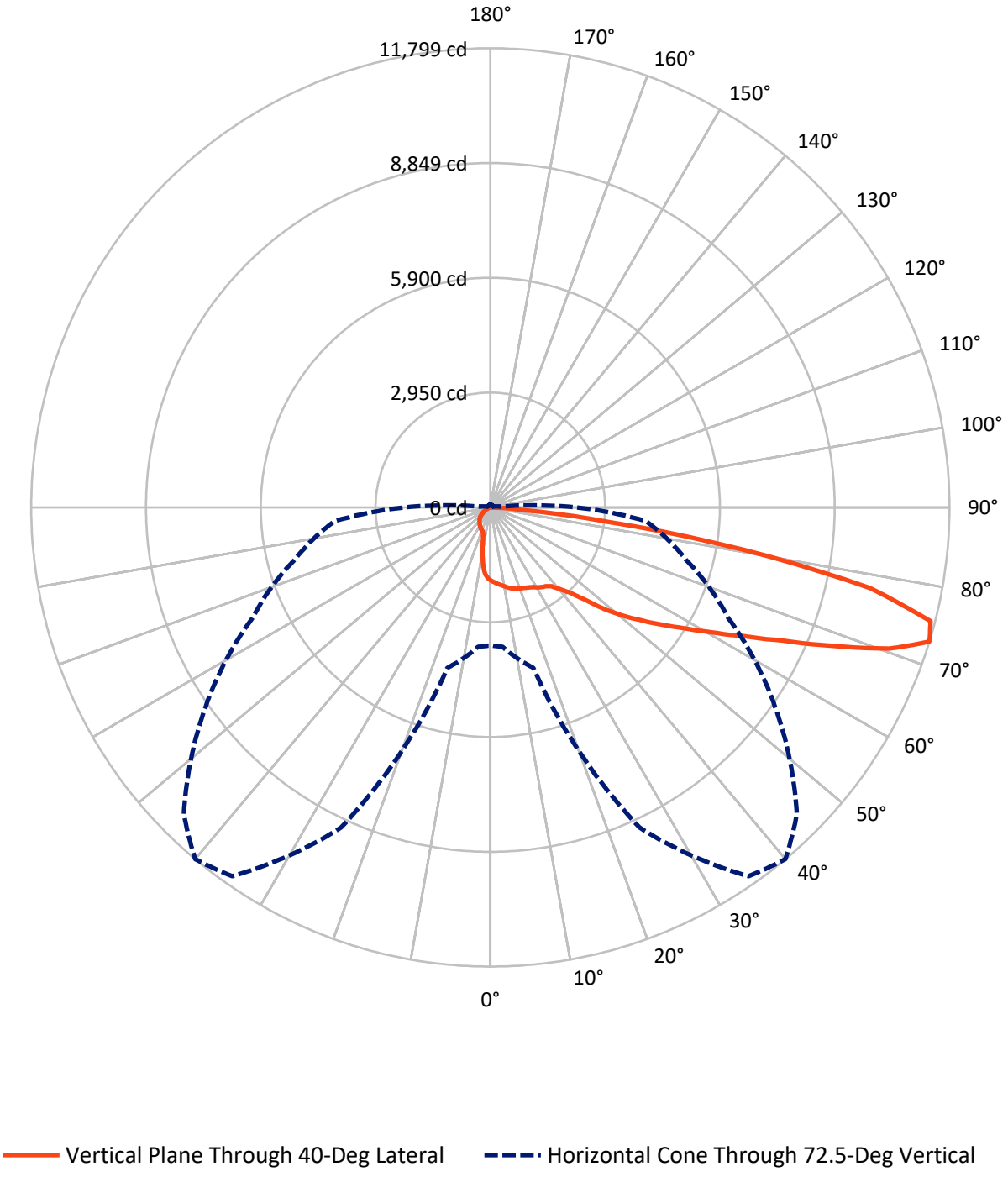
Based on 10 foot mounting height. Maximum calculated value = 21.6 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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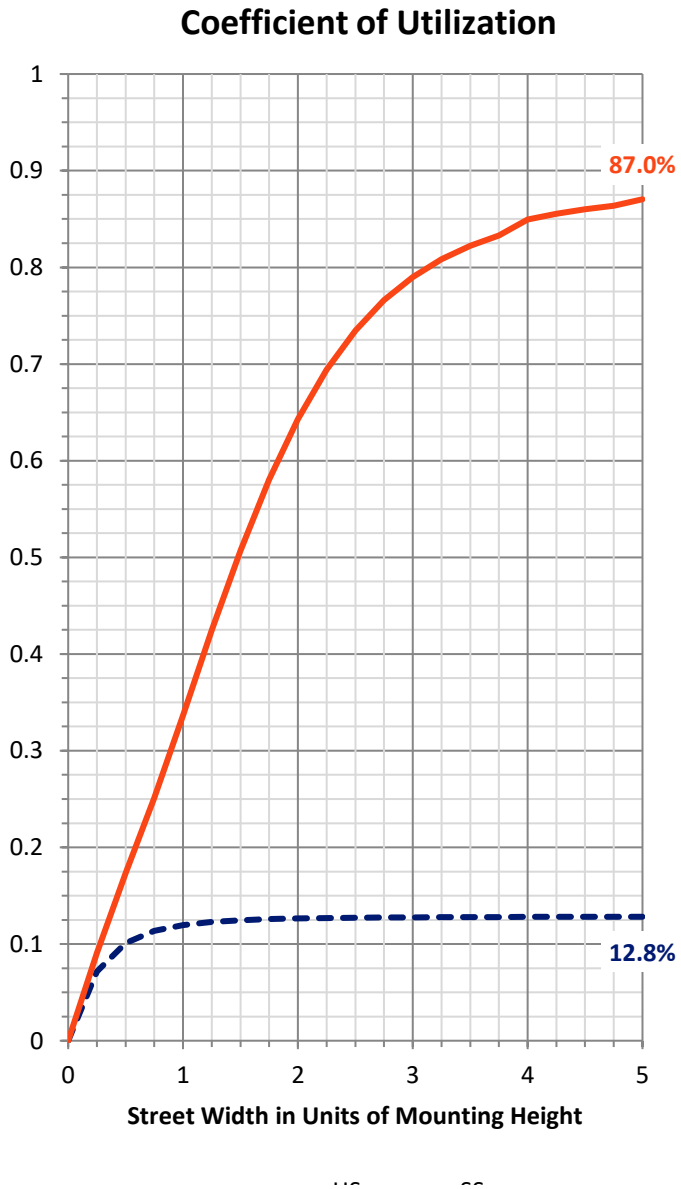
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1834.2	0.0	1834.2
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	12368.8	0.0	12368.8
	% Fixture	87.1	0.0	87.1
Total	Lumens	14203.0	0.0	14203.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	1.2
10°-20°	466.4	3.3
20°-30°	754.7	5.3
30°-40°	1114.2	7.8
40°-50°	1875.2	13.2
50°-60°	2911.7	20.5
60°-70°	3643.4	25.7
70°-80°	2982.8	21.0
80°-90°	282.8	2.0
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°	14203.0	100.0
0°-180°	14203.0	100.0



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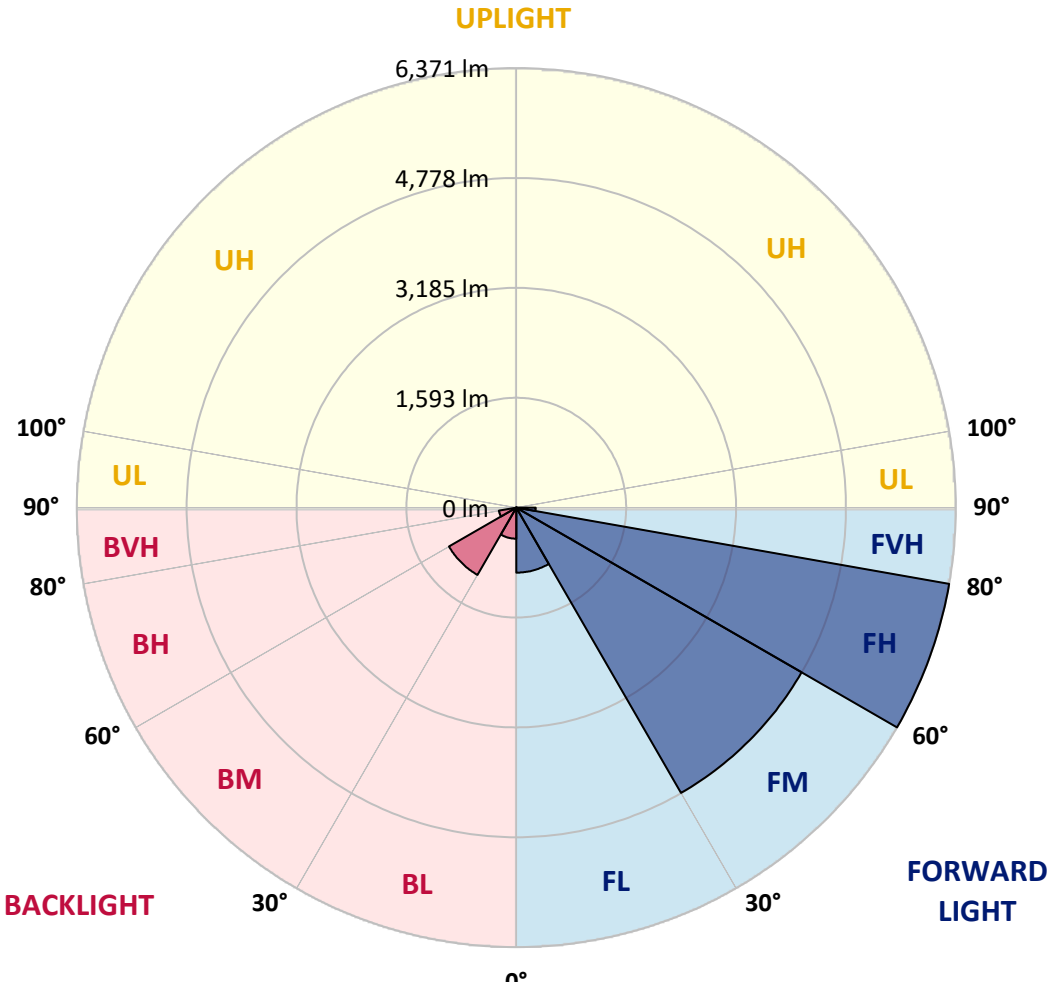
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	942.7	6.6			
FM	(30°-60°)	4774.8	33.6			
FH	(60°-80°)	6370.7	44.9			G3/7500
FVH	(80°-90°)	280.7	2.0			G3/500
BL	(0°-30°)	450.2	3.2	B1/500		
BM	(30°-60°)	1126.3	7.9	B2/2500		
BH	(60°-80°)	255.5	1.8	B1/500		G1/500
BVH	(80°-90°)	2.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1880.6	1880.6	1880.6	1880.6	1880.6	*1880.6*	1880.6	1880.6	1880.6	1880.6	1880.6
2.5°	1937.3	1944.8	1940.5	1931.9	1929.8	*1925.5*	1920.2	1918.0	1910.5	1904.1	1896.6
5°	1991.8	1999.3	1994.0	1982.2	1976.9	*1971.5*	1964.0	1957.6	1942.6	1928.7	1911.6
7.5°	2051.7	2058.2	2051.7	2034.6	2026.1	*2019.7*	2009.0	1999.3	1982.2	1961.9	1940.5
10°	2118.1	2123.4	2113.8	2091.3	2077.4	*2067.8*	2058.2	2047.5	2031.4	2009.0	1983.3
12.5°	2180.1	2186.5	2171.6	2144.8	2128.8	*2119.1*	2108.4	2099.9	2083.8	2062.4	2035.7
15°	2236.8	2246.4	2220.8	2191.9	2173.7	*2166.2*	2155.5	2150.2	2139.5	2124.5	2099.9
17.5°	2279.6	2286.0	2259.3	2225.0	2204.7	*2199.4*	2191.9	2195.1	2193.0	2185.5	2169.4
20°	2316.0	2320.3	2285.0	2243.2	2220.8	*2221.8*	2219.7	2230.4	2234.7	2234.7	2233.6
22.5°	2360.9	2362.0	2317.0	2264.6	2237.9	*2245.4*	2248.6	2260.3	2268.9	2277.5	2296.7
25°	2419.7	2417.6	2364.1	2292.4	2268.9	*2279.6*	2287.1	2291.4	2301.0	2314.9	2358.8
27.5°	2507.5	2501.0	2432.6	2337.4	2309.6	*2319.2*	2333.1	2331.0	2326.7	2337.4	2411.2
30°	2618.7	2610.2	2519.2	2400.5	2374.8	*2383.4*	2387.6	2368.4	2337.4	2347.0	2457.2
32.5°	2795.2	2780.2	2654.0	2471.1	2431.5	*2441.1*	2435.8	2396.2	2350.2	2359.8	2503.2
35°	3102.2	3065.9	2887.2	2618.7	2495.7	*2485.0*	2472.2	2433.6	2376.9	2367.3	2541.7
37.5°	3754.8	3690.6	3385.7	2906.5	2641.2	*2571.6*	2532.1	2493.5	2405.8	2367.3	2585.5
40°	4490.7	4425.5	4073.5	3387.8	2882.9	*2765.3*	2671.1	2564.2	2435.8	2381.2	2654.0
42.5°	5258.8	5187.1	4825.6	3984.8	3228.5	*2986.7*	2811.3	2620.8	2485.0	2424.0	2744.9
45°	6116.7	6026.9	5554.1	4607.3	3730.2	*3354.7*	3037.0	2737.4	2570.6	2500.0	2869.0
47.5°	7021.7	6905.1	6280.4	5211.7	4270.4	*3863.9*	3449.9	2946.0	2696.8	2613.4	3037.0
50°	7824.0	7708.5	7030.3	5844.0	4775.3	*4348.5*	3920.6	3234.9	2886.1	2773.8	3262.7
52.5°	8400.6	8312.9	7712.8	6496.5	5300.5	*4803.1*	4347.4	3570.8	3125.8	2979.2	3529.1
55°	8786.8	8706.6	8196.3	7114.8	5911.4	*5303.7*	4767.8	3935.6	3414.6	3225.2	3823.2
57.5°	9021.1	8975.1	8546.1	7666.8	6516.8	*5851.4*	5249.2	4336.7	3754.8	3515.1	4151.6
60°	9104.5	9067.1	8763.3	8193.1	7248.5	*6509.3*	5815.1	4789.2	4167.7	3844.6	4488.6
62.5°	8882.0	8889.5	8919.4	8816.7	8019.8	*7279.5*	6493.3	5332.6	4625.5	4218.0	4805.2
65°	7834.7	7896.8	8465.9	9507.8	9041.4	*8244.4*	7356.6	5995.9	5149.7	4642.6	5056.6
67.5°	6486.9	6576.7	7284.9	9912.2	10130.4	*9497.1*	8558.9	6840.9	5774.4	5074.8	5151.8
70°	4965.7	5062.0	5919.9	9827.6	11149.8	*10866.4*	10045.9	7916.0	6421.6	5374.3	4909.0
72.5°	*3544.0*	*3593.2*	*4269.3*	*9075.6*	*11568.1*	*11799.2*	*11141.3*	*8934.4*	*6752.2*	*5208.5*	*4004.0*
75°	2490.3	2481.8	2930.0	7308.4	10916.6	*11685.8*	10757.2	8383.5	6110.3	4137.7	2468.9
77.5°	1084.7	1086.8	1463.4	4438.3	8713.0	*9980.6*	8941.9	5251.3	4259.7	2193.0	1041.9
80°	281.3	289.9	537.0	1767.2	5246.0	*6587.4*	5453.5	2308.5	1968.3	534.9	199.0
82.5°	99.5	105.9	247.1	555.2	1935.1	*3020.9*	2428.3	738.1	513.5	153.0	53.5
85°	28.9	34.2	132.6	170.1	400.1	*853.6*	589.4	143.3	126.2	79.2	13.9
87.5°	0.0	4.3	26.7	23.5	23.5	*16.0*	30.0	16.0	20.3	9.6	4.3
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°	1880.6	1880.6	1880.6	1880.6	1880.6	1880.6	1880.6	1880.6	1880.6	1880.6	1880.6
2.5°	1890.2	1882.7	1866.7	1849.6	1833.5	1818.5	1814.3	1798.2	1790.7	1791.8	1790.7
5°	1899.8	1885.9	1854.9	1817.5	1779.0	1735.1	1698.7	1647.4	1603.5	1598.2	1595.0
7.5°	1925.5	1903.1	1852.8	1780.0	1683.8	1562.9	1450.6	1339.3	1276.2	1242.0	1239.8
10°	1965.1	1935.1	1858.1	1719.1	1514.7	1298.7	1128.6	988.4	916.8	883.6	877.2
12.5°	2012.2	1979.0	1866.7	1615.3	1296.5	1013.0	829.0	743.5	728.5	726.3	725.3
15°	2078.5	2042.1	1876.3	1475.2	1060.1	771.3	686.8	687.8	699.6	706.0	705.0
17.5°	2152.3	2115.9	1862.4	1304.0	826.9	659.0	656.8	666.4	683.6	690.0	688.9
20°	2227.2	2193.0	1813.2	1102.9	668.6	627.9	636.5	647.2	664.3	672.9	672.9
22.5°	2304.2	2274.3	1735.1	888.9	603.3	605.5	616.2	626.9	646.1	655.7	655.7
25°	2386.6	2360.9	1631.3	712.4	575.5	581.9	595.8	608.7	629.0	640.8	640.8
27.5°	2470.0	2450.8	1513.7	594.8	549.8	557.3	573.4	590.5	610.8	624.7	625.8
30°	2560.9	2550.2	1419.5	550.9	525.2	531.7	549.8	569.1	591.6	608.7	610.8
32.5°	2654.0	2651.9	1373.5	583.0	502.8	507.1	523.1	542.4	570.2	591.6	593.7
35°	2746.0	2750.3	1346.8	673.9	495.3	483.5	494.2	511.3	544.5	571.2	575.5
37.5°	2863.7	2874.4	1345.7	772.3	513.5	460.0	467.5	479.2	508.1	539.1	544.5
40°	3039.1	3095.8	1414.2	856.9	545.6	438.6	440.7	442.9	457.8	483.5	492.1
42.5°	3272.3	3438.1	1661.3	914.6	558.4	419.3	411.8	400.1	397.9	411.8	419.3
45°	3562.2	3852.1	2095.6	946.7	545.6	397.9	377.6	346.6	334.8	344.5	344.5
47.5°	3903.5	4305.7	2610.2	954.2	524.2	371.2	334.8	294.2	284.5	287.8	286.7
50°	4236.1	4645.9	3062.6	892.2	488.9	337.0	287.8	253.5	247.1	248.2	248.2
52.5°	4530.3	4762.5	3191.0	745.6	441.8	295.2	247.1	223.6	219.3	219.3	218.2
55°	4725.0	4636.2	2845.5	570.2	383.0	252.5	211.8	200.0	197.9	196.8	194.7
57.5°	4765.7	4225.4	2149.1	411.8	299.5	212.9	188.3	181.9	177.6	173.3	171.2
60°	4620.2	3540.8	1368.2	287.8	224.6	181.9	166.9	162.6	154.0	145.5	142.3
62.5°	4305.7	2674.3	757.4	200.0	180.8	155.1	147.6	142.3	126.2	112.3	108.0
65°	3883.1	1777.9	334.8	156.2	147.6	130.5	126.2	118.7	99.5	83.4	80.2
67.5°	3458.5	1023.7	150.8	125.2	118.7	107.0	103.8	98.4	84.5	69.5	67.4
70°	2973.9	518.8	103.8	99.5	92.0	81.3	84.5	83.4	69.5	56.7	54.6
72.5°	*2214.3*	*257.8*	*78.1*	*74.9*	*66.3*	*57.8*	*69.5*	*68.5*	*54.6*	*42.8*	*40.6*
75°	1253.7	127.3	56.7	52.4	39.6	42.8	55.6	52.4	37.4	27.8	25.7
77.5°	497.4	65.3	37.4	32.1	23.5	28.9	40.6	35.3	19.3	11.8	10.7
80°	114.5	32.1	19.3	13.9	10.7	17.1	21.4	12.8	5.3	1.1	0.0
82.5°	32.1	13.9	6.4	5.3	5.3	6.4	5.3	2.1	0.0	0.0	0.0
85°	10.7	6.4	2.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	4.3	2.1	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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SS

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(END OF REPORT)