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: P1203850

Luminaire Tested: GWC-SB2D-827-U-T4W-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203850
	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-827-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 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:	13628 lumens
Efficiency:	N/A
Efficacy:	92.3 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

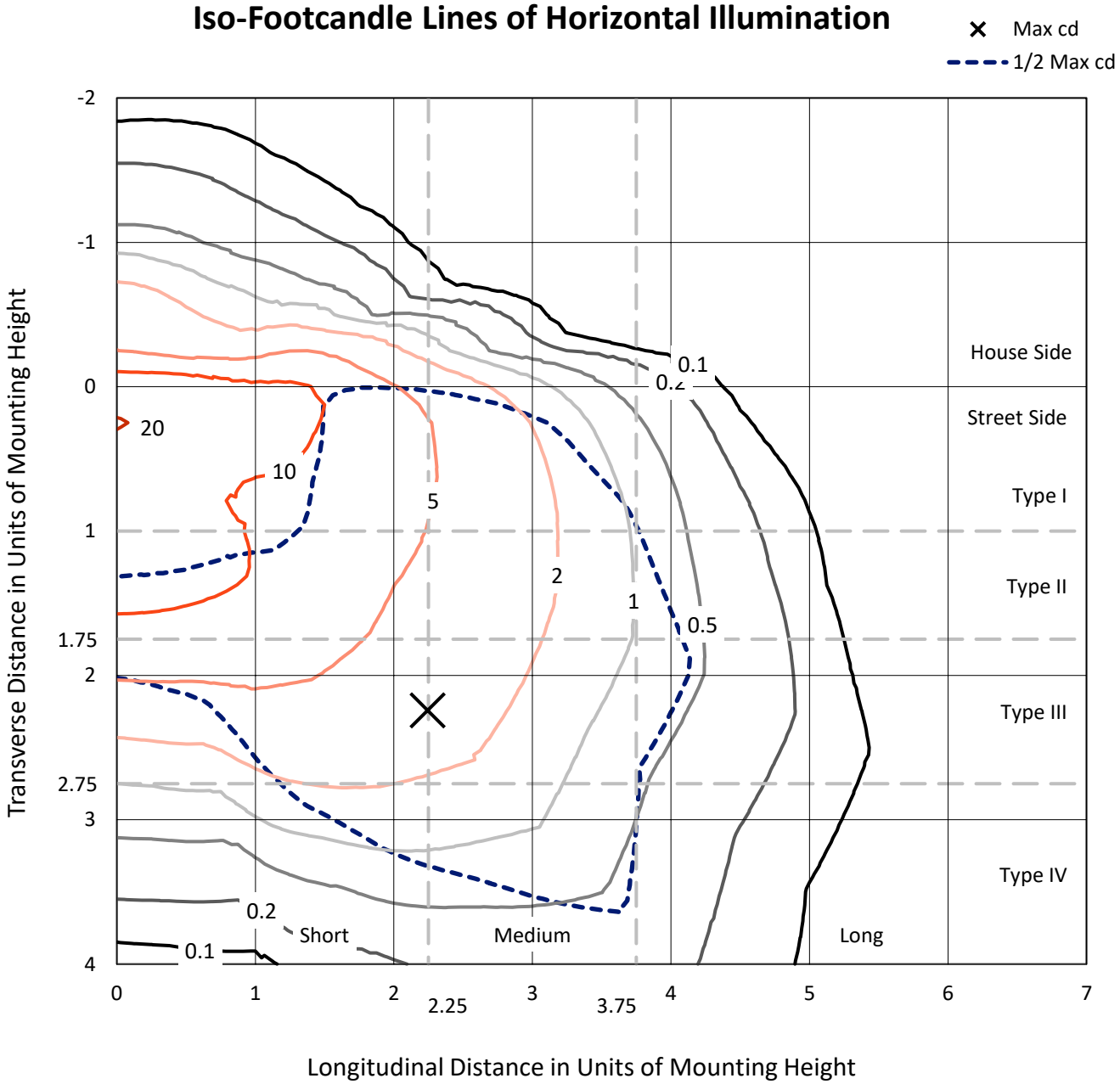


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Iso-Footcandle Lines of Horizontal Illumination



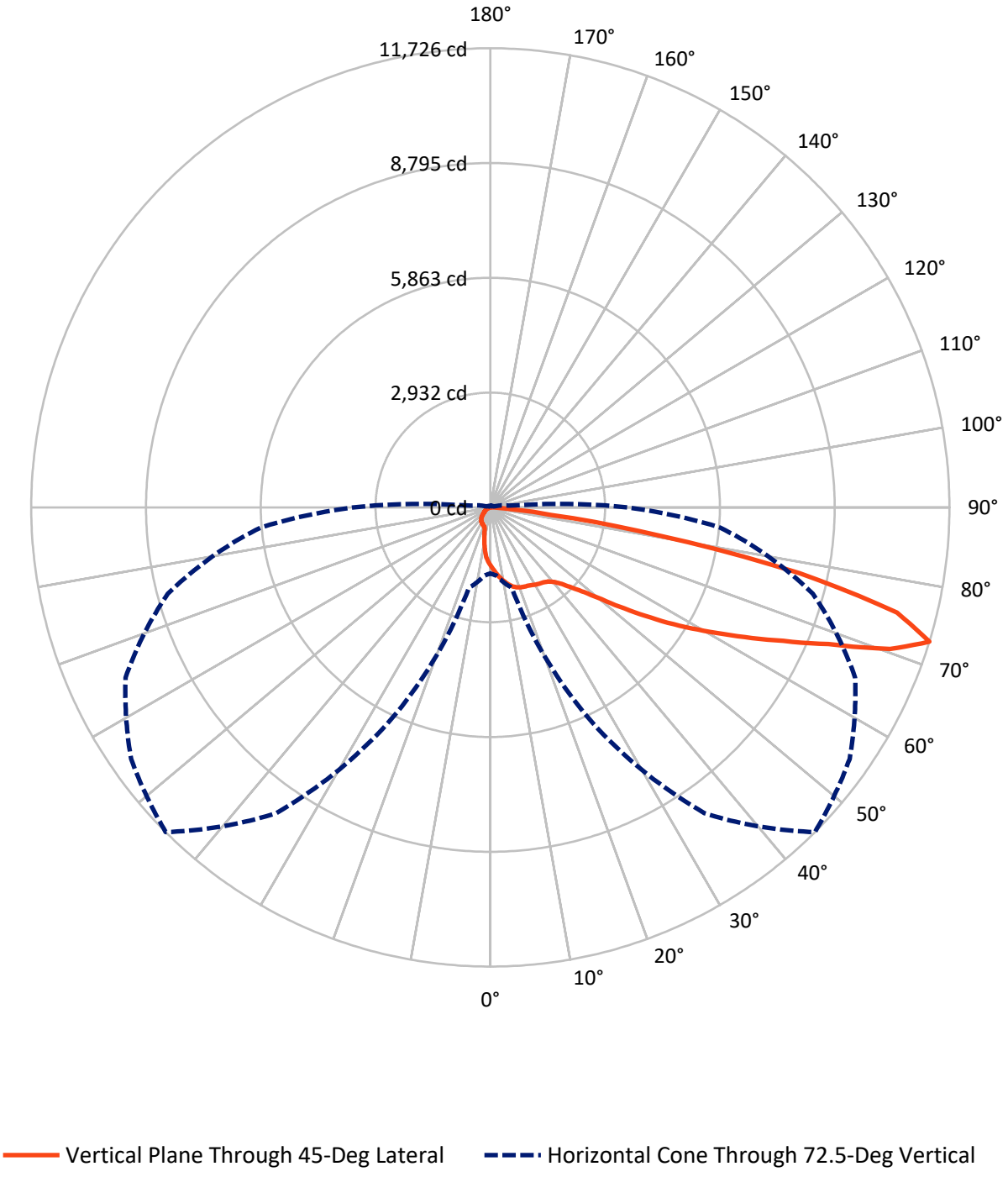
Based on 10 foot mounting height. Maximum calculated value = 20.5 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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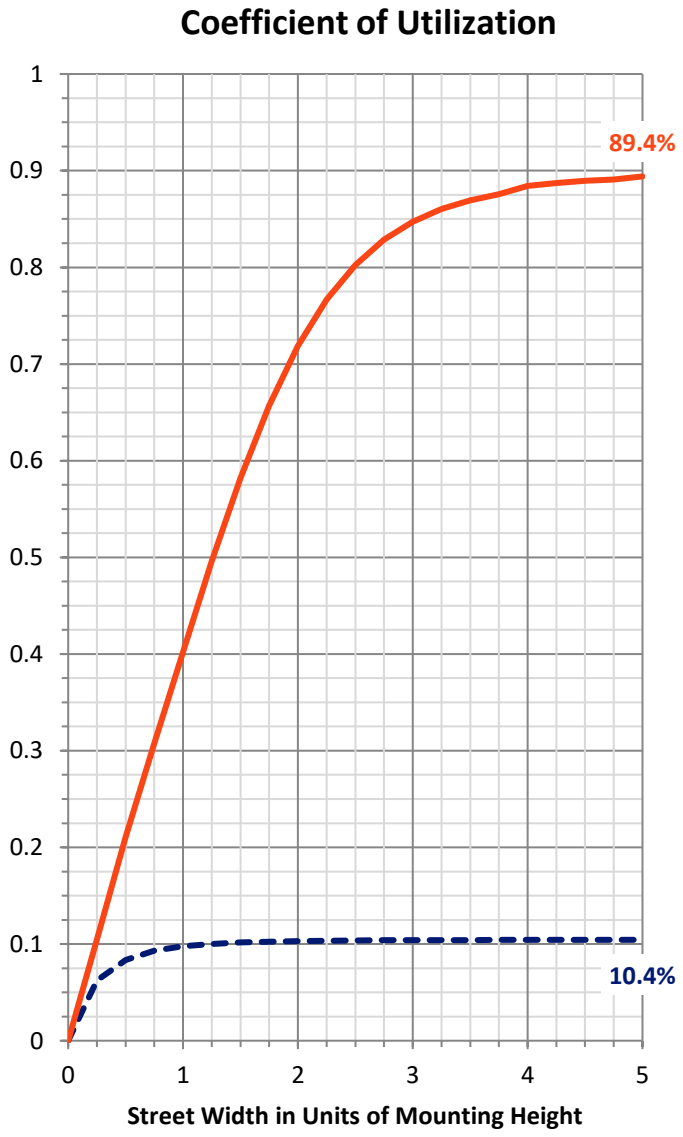
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1431.9	0.0	1431.9
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	12196.1	0.0	12196.1
	% Fixture	89.5	0.0	89.5
Total	Lumens	13628.0	0.0	13628.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.7	1.0
10°-20°	411.1	3.0
20°-30°	675.1	5.0
30°-40°	957.5	7.0
40°-50°	1582.6	11.6
50°-60°	2843.0	20.9
60°-70°	3947.6	29.0
70°-80°	2863.5	21.0
80°-90°	207.0	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°	13628.0	100.0
0°-180°	13628.0	100.0



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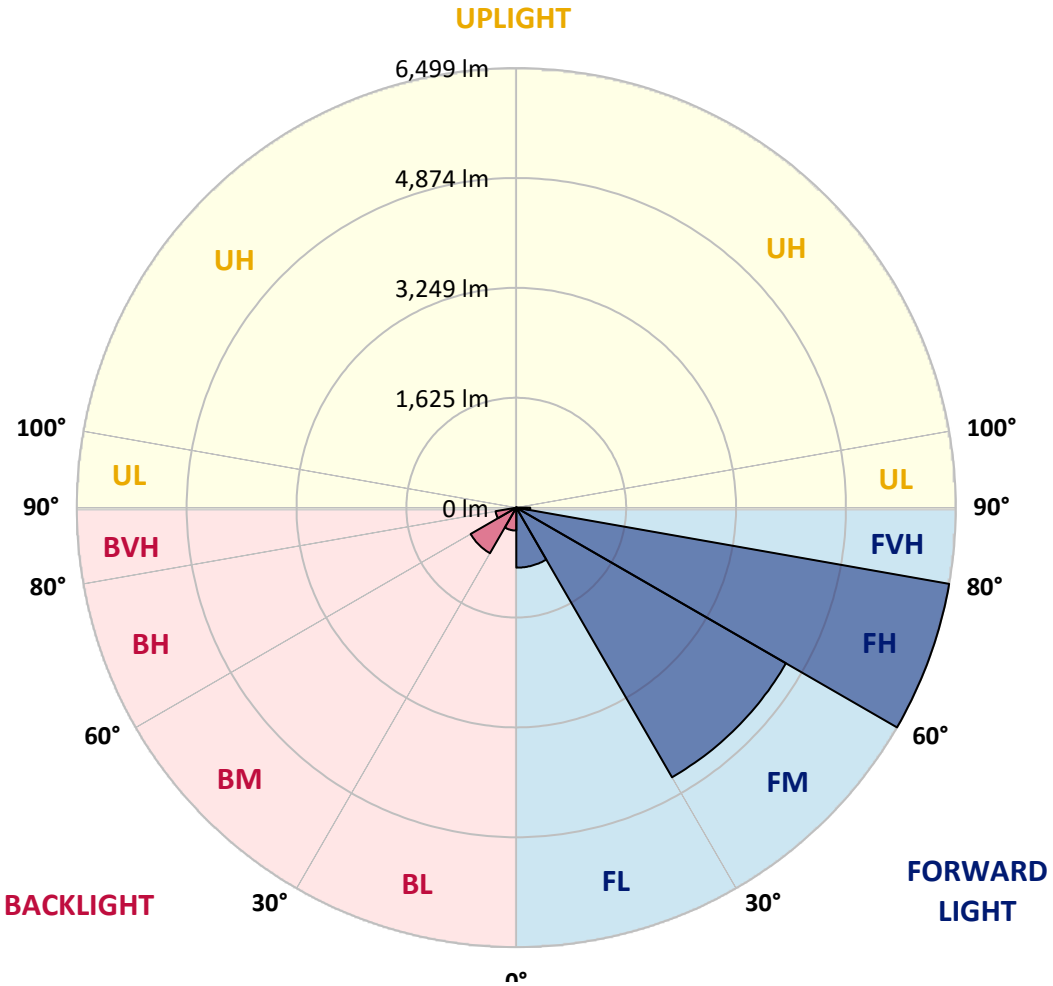
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	887.7	6.5			
FM	(30°-60°)	4604.3	33.8			
FH	(60°-80°)	6498.8	47.7			G3/7500
FVH	(80°-90°)	205.3	1.5			G2/225
BL	(0°-30°)	339.2	2.5	B1/500		
BM	(30°-60°)	778.8	5.7	B1/1000		
BH	(60°-80°)	312.3	2.3	B1/500		G1/500
BVH	(80°-90°)	1.7	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°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0
2.5°	1630.6	1633.4	1631.6	1620.4	1601.8	1591.6	1586.0	1567.4	1555.3	1533.9	1511.6
5°	1780.4	1791.6	1785.1	1762.7	1727.4	1702.3	1694.8	1656.7	1622.3	1582.3	1535.8
7.5°	1939.5	1945.1	1933.0	1904.1	1856.7	1813.9	1807.4	1754.4	1699.5	1638.1	1574.8
10°	2077.1	2083.7	2065.1	2023.2	1969.2	1916.2	1906.9	1848.3	1783.2	1707.9	1626.9
12.5°	2192.5	2199.0	2174.8	2124.6	2065.1	2010.2	2000.9	1939.5	1867.8	1784.1	1683.7
15°	2279.9	2292.0	2259.5	2205.5	2141.3	2086.4	2081.8	2021.3	1951.6	1858.5	1751.6
17.5°	2331.1	2343.2	2312.5	2247.4	2192.5	2146.0	2140.4	2090.2	2025.1	1935.8	1817.6
20°	2339.5	2350.6	2318.1	2261.3	2215.7	2178.5	2175.7	2139.5	2092.0	2006.4	1889.2
22.5°	2314.3	2328.3	2298.5	2253.0	2221.3	2201.8	2198.1	2177.6	2150.6	2078.1	1956.2
25°	2288.3	2299.5	2277.1	2237.1	2220.4	2218.5	2221.3	2217.6	2212.0	2150.6	2034.4
27.5°	2286.4	2298.5	2273.4	2235.3	2226.0	2245.5	2248.3	2266.0	2270.6	2216.7	2109.7
30°	2302.3	2310.6	2286.4	2246.4	2241.8	2286.4	2287.4	2319.0	2326.4	2272.5	2184.1
32.5°	2336.7	2346.0	2321.8	2263.2	2256.7	2319.0	2321.8	2363.6	2375.7	2332.0	2262.3
35°	2417.6	2428.8	2400.9	2309.7	2286.4	2349.7	2358.1	2407.4	2431.6	2395.3	2343.2
37.5°	2619.5	2586.9	2548.8	2403.6	2354.3	2398.1	2412.0	2469.7	2512.5	2470.6	2439.9
40°	3120.8	3018.5	2899.4	2563.6	2473.4	2501.3	2512.5	2570.2	2628.8	2587.8	2572.9
42.5°	3873.4	3752.4	3560.8	2932.0	2652.9	2666.9	2675.3	2725.5	2808.3	2775.7	2779.4
45°	4544.0	4500.3	4305.0	3560.8	2988.7	2919.9	2930.1	2956.2	3078.0	3066.0	3090.1
47.5°	5059.4	5034.3	4883.6	4282.7	3556.2	3229.7	3258.5	3270.6	3446.4	3489.2	3554.3
50°	5455.6	5446.3	5311.5	4924.5	4297.5	3686.4	3696.6	3670.6	3933.8	4039.9	4163.6
52.5°	5829.6	5861.2	5761.7	5520.8	5089.1	4284.5	4282.7	4159.9	4515.2	4675.2	4886.4
55°	6167.2	6178.4	6188.6	6129.1	5885.4	4965.4	4947.8	4746.8	5189.6	5355.2	5584.0
57.5°	6484.4	6489.1	6580.3	6702.1	6714.2	5696.6	5664.0	5423.1	5926.3	6044.5	6184.9
60°	6697.5	6718.9	6911.4	7250.0	7397.9	6451.0	6433.3	6187.7	6676.1	6731.0	6704.9
62.5°	6390.5	6520.7	7006.3	7677.9	8043.5	7287.2	7278.8	7048.2	7464.9	7420.2	7197.0
65°	5172.9	5393.3	6247.2	7967.2	8676.9	8221.1	8233.2	7987.7	8275.1	8130.0	7597.0
67.5°	3618.5	3851.0	4861.2	7990.4	9384.8	9317.8	9387.6	9002.5	9135.5	8810.0	7691.9
70°	2502.2	2622.2	3279.9	7490.0	9936.4	10828.5	10826.6	10249.0	9991.3	9119.7	7208.1
72.5°	1682.7	1745.1	2130.2	5942.1	9530.9	11726.1	11672.2	11201.5	10279.7	8529.0	5889.1
75°	709.7	755.3	986.0	3339.4	7540.2	10728.0	10582.0	9899.2	9133.7	6716.1	3674.3
77.5°	225.1	244.6	388.8	1195.3	4153.4	8063.9	7909.5	6182.1	6121.7	3369.2	1343.2
80°	107.0	124.6	218.6	480.0	1634.4	4385.9	4364.5	2804.6	2633.4	909.7	269.8
82.5°	46.5	54.9	120.9	256.7	731.1	1564.6	1596.2	954.4	789.7	345.1	82.8
85°	14.9	19.5	55.8	118.1	308.8	388.8	384.2	227.0	318.1	187.9	28.8
87.5°	0.0	0.0	18.6	27.0	31.6	22.3	25.1	19.5	88.4	52.1	10.2
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°	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0	1493.0
2.5°	1500.4	1485.5	1459.5	1435.3	1413.9	1392.5	1379.5	1360.9	1359.0	1359.0	1363.7
5°	1510.7	1486.5	1440.0	1390.7	1333.9	1280.0	1226.0	1173.9	1157.2	1145.1	1150.7
7.5°	1540.4	1502.3	1428.8	1334.8	1226.9	1108.8	1026.0	936.7	902.3	883.7	886.5
10°	1583.2	1531.1	1419.5	1254.8	1080.0	919.0	800.9	704.2	667.0	651.1	651.1
12.5°	1630.6	1566.5	1402.7	1155.3	919.0	726.5	611.1	566.5	560.9	560.9	560.9
15°	1687.4	1609.3	1373.9	1038.1	750.7	574.9	533.9	535.8	541.4	545.1	545.1
17.5°	1746.0	1654.8	1328.3	906.9	601.8	517.2	518.1	520.9	525.6	529.3	529.3
20°	1809.2	1700.4	1267.9	767.4	516.3	500.4	503.2	506.0	509.8	511.6	512.5
22.5°	1877.2	1743.2	1196.2	630.7	487.4	486.5	487.4	490.2	494.9	494.9	496.7
25°	1949.7	1790.6	1114.4	531.1	472.5	472.5	474.4	476.3	480.0	480.0	480.9
27.5°	2024.1	1834.4	1027.9	479.1	459.5	458.6	458.6	461.4	463.2	464.2	465.1
30°	2106.0	1885.5	941.4	467.9	449.3	444.6	441.8	443.7	445.6	446.5	448.4
32.5°	2189.7	1934.8	864.2	472.5	439.1	430.7	421.4	419.5	419.5	423.2	426.0
35°	2282.7	1988.8	804.6	488.4	433.5	410.2	395.3	387.0	387.9	393.5	396.3
37.5°	2394.3	2053.9	760.9	502.3	429.8	387.0	362.8	352.5	346.0	352.5	350.7
40°	2540.4	2149.7	729.3	513.5	425.1	360.0	327.4	310.7	298.6	302.3	300.5
42.5°	2755.3	2300.4	717.2	514.4	414.9	328.4	291.2	268.8	251.2	252.1	248.4
45°	3056.6	2538.5	779.5	502.3	392.5	293.9	253.0	223.2	212.1	209.3	205.6
47.5°	3469.7	2885.5	923.7	477.2	360.0	260.5	215.8	190.7	182.3	177.7	174.9
50°	4023.1	3331.1	1083.7	449.3	327.4	228.8	185.1	169.3	163.7	159.1	158.1
52.5°	4665.0	3783.1	1214.8	421.4	294.9	200.9	165.6	156.3	151.6	147.9	147.0
55°	5253.8	4094.8	1207.4	391.6	263.2	178.6	151.6	146.0	140.5	136.7	134.9
57.5°	5620.3	4138.5	995.3	359.1	227.0	160.9	138.6	134.9	128.4	123.7	122.8
60°	5788.7	3889.2	697.7	316.3	190.7	144.2	124.6	122.8	114.4	107.9	106.0
62.5°	5819.4	3425.9	465.1	263.2	159.1	128.4	110.7	107.9	96.7	85.6	80.0
65°	5694.7	2763.6	321.9	205.6	135.8	111.6	94.9	89.3	77.2	66.0	62.3
67.5°	5300.3	1940.4	224.2	147.9	115.3	88.4	75.3	73.5	64.2	54.9	52.1
70°	4577.5	1106.0	149.8	110.7	91.2	60.5	59.5	61.4	52.1	44.6	40.9
72.5°	*3509.7*	*506.0*	*93.0*	*80.9*	*62.3*	*40.9*	*47.4*	*48.4*	*40.0*	*33.5*	*29.8*
75°	2066.0	216.7	58.6	52.1	31.6	27.0	34.4	35.3	27.0	21.4	18.6
77.5°	703.2	81.9	37.2	30.7	15.8	14.9	22.3	22.3	14.9	8.4	6.5
80°	160.0	30.7	18.6	12.1	7.4	6.5	7.4	6.5	3.7	0.9	0.0
82.5°	45.6	12.1	7.4	4.7	2.8	2.8	0.9	0.0	0.0	0.0	0.0
85°	13.0	5.6	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.6	0.9	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)