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: P1203844

Luminaire Tested: GWC-SB2D-827-U-T2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203844
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12919 lumens
Efficiency:	N/A
Efficacy:	87.5 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

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

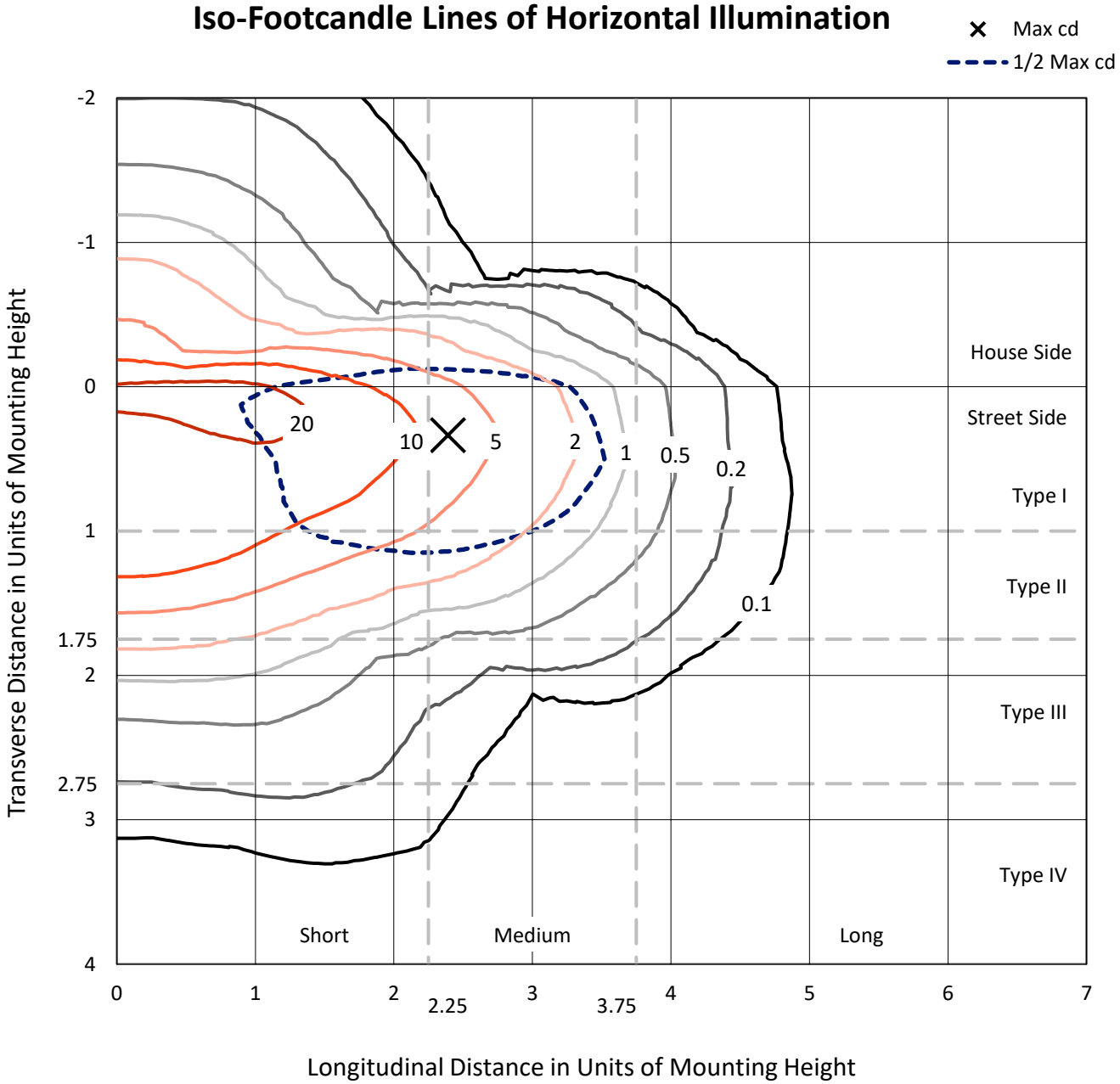


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Iso-Footcandle Lines of Horizontal Illumination



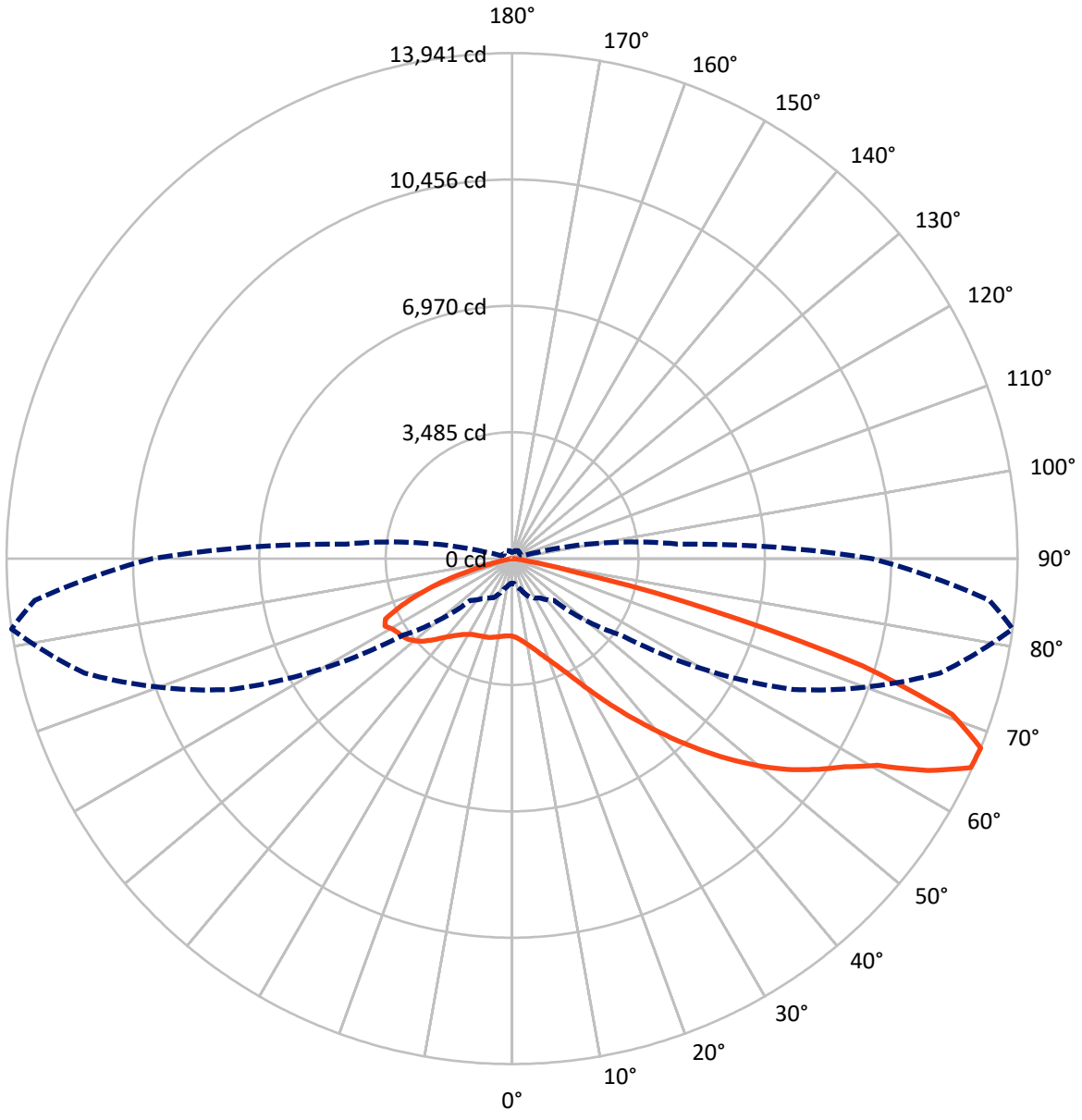
Based on 10 foot mounting height. Maximum calculated value = 28.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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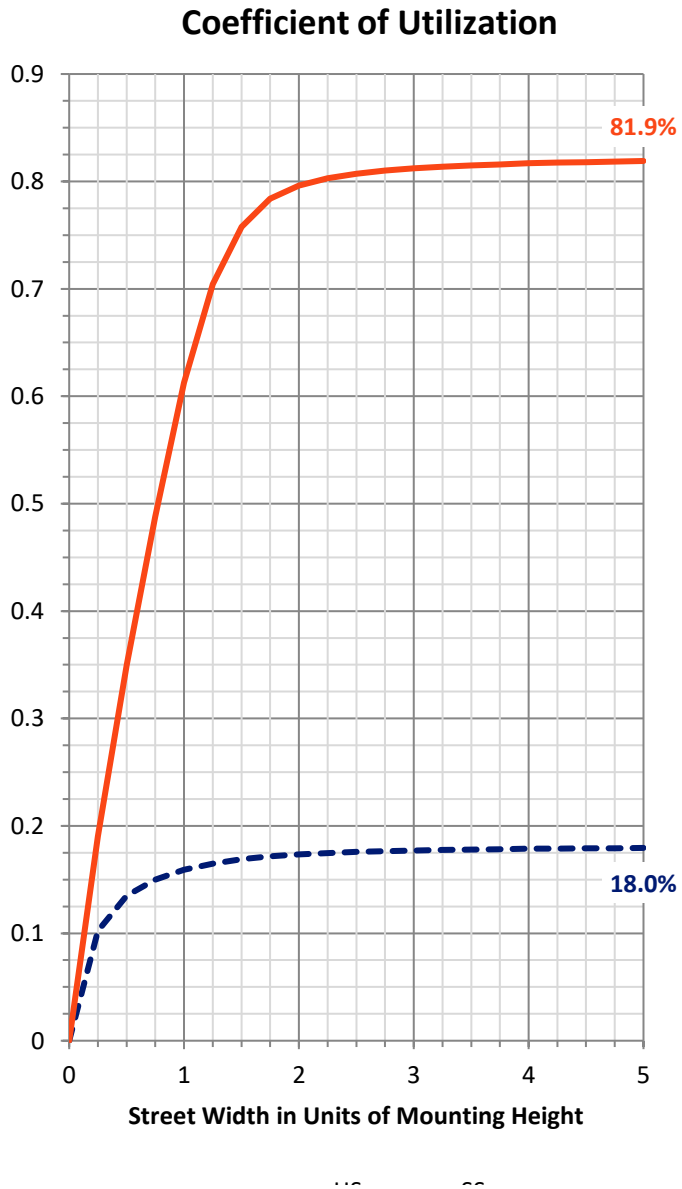
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2340.2	0.0	2340.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10578.8	0.0	10578.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	12919.0	0.0	12919.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.7	1.5
10°-20°	495.5	3.8
20°-30°	793.6	6.1
30°-40°	1403.4	10.9
40°-50°	2458.9	19.0
50°-60°	3279.4	25.4
60°-70°	3053.0	23.6
70°-80°	1171.7	9.1
80°-90°	72.8	0.6
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°	12919.0	100.0
0°-180°	12919.0	100.0



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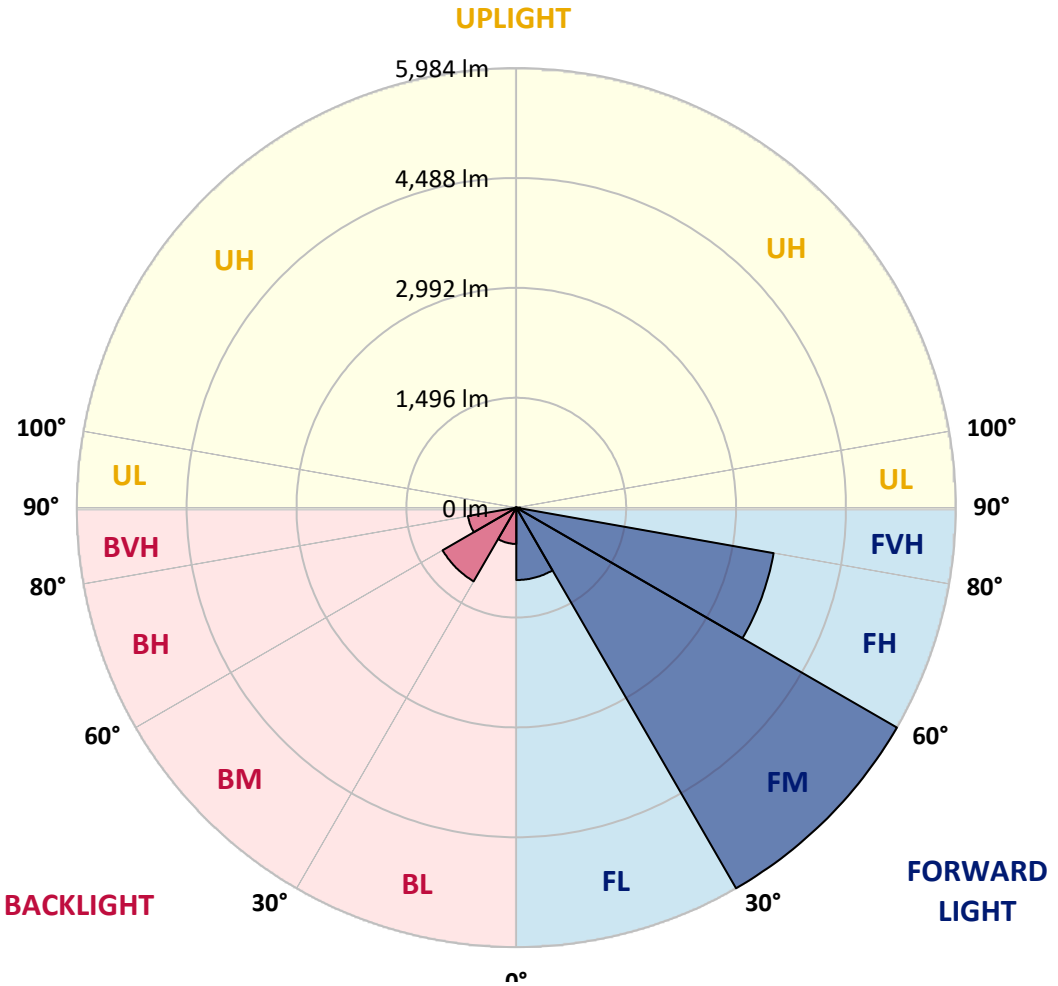
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	985.6	7.6			
FM	(30°-60°)	5983.6	46.3			
FH	(60°-80°)	3556.8	27.5			G2/5000
FVH	(80°-90°)	52.9	0.4			G1/100
BL	(0°-30°)	494.2	3.8	B1/500		
BM	(30°-60°)	1158.1	9.0	B2/2500		
BH	(60°-80°)	667.9	5.2	B2/1000		G2/1000
BVH	(80°-90°)	19.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2	*2140.2*	2140.2
2.5°	2262.1	2275.1	2267.7	2263.9	2257.4	2248.1	2240.7	2217.4	2193.3	*2177.4*	2171.9
5°	2307.7	2320.7	2319.8	2323.5	2328.1	2330.9	2329.1	2303.0	2268.6	*2241.6*	2225.8
7.5°	2268.6	2283.5	2295.6	2314.2	2346.7	2381.1	2397.9	2392.3	2357.0	*2319.8*	2300.2
10°	2157.9	2173.7	2202.6	2246.3	2315.1	2389.5	2451.8	2480.7	2458.3	*2417.4*	2390.4
12.5°	1955.1	1971.0	2027.7	2122.6	2237.9	2367.2	2486.3	2563.5	2569.0	*2528.1*	2496.5
15°	1727.3	1743.1	1803.5	1922.6	2098.4	2305.8	2504.9	2650.9	2700.2	*2664.8*	2626.7
17.5°	1585.9	1599.8	1645.4	1741.2	1924.4	2183.0	2498.3	2743.9	2856.4	*2828.5*	2783.0
20°	1543.1	1555.2	1576.6	1643.5	1796.1	2055.6	2455.6	2831.3	3024.8	*3009.0*	2957.8
22.5°	1588.7	1599.8	1606.3	1636.1	1731.9	1971.9	2401.6	2920.6	3220.1	*3222.0*	3159.7
25°	1693.8	1704.9	1697.5	1716.1	1758.0	1945.8	2381.1	3025.7	3465.7	*3486.1*	3415.5
27.5°	1866.8	1867.7	1850.0	1849.1	1855.6	1984.9	2402.5	3138.3	3775.4	*3813.6*	3726.1
30°	2213.7	2199.8	2131.9	2058.4	2024.9	2102.1	2462.1	3271.3	4141.0	*4208.9*	4099.1
32.5°	2748.5	2728.1	2603.4	2427.7	2250.9	2290.9	2569.0	3422.9	4539.1	*4661.8*	4527.9
35°	3329.0	3323.4	3193.2	2931.8	2623.0	2559.7	2743.0	3621.9	4973.4	*5168.8*	5009.7
37.5°	3868.4	3865.6	3791.2	3483.4	3107.6	2934.6	3022.0	3882.4	5438.5	*5721.3*	5533.4
40°	4361.4	4369.8	4295.4	4020.0	3641.5	3415.5	3401.5	4204.2	5955.7	*6323.1*	6099.8
42.5°	4787.4	4796.7	4721.4	4517.7	4168.9	3947.5	3867.5	4598.6	6460.7	*6969.5*	6705.3
45°	5076.7	5134.3	5123.2	4960.4	4710.2	4480.5	4427.4	5093.4	7036.5	*7655.0*	7345.3
47.5°	5158.5	5211.5	5295.3	5317.6	5165.0	4939.0	5002.3	5689.6	7618.7	*8341.5*	7988.9
50°	4956.7	5006.0	5179.9	5411.5	5517.6	5447.8	5561.3	6328.6	8215.0	*9026.0*	8620.5
52.5°	4558.6	4608.8	4828.3	5194.8	5627.3	5846.8	6122.1	6958.3	8792.6	*9674.3*	9218.6
55°	3982.8	4035.9	4317.7	4732.5	5418.0	6011.5	6590.0	7587.1	9321.8	*10257.5*	9758.0
57.5°	3199.7	3238.7	3531.7	4112.1	4891.6	5847.8	6935.1	8273.6	9820.4	*10830.5*	10292.9
60°	2085.4	2119.8	2460.2	3107.6	4019.1	5300.8	7003.9	9039.1	10482.6	*11575.5*	11013.7
62.5°	1386.8	1410.1	1611.9	2087.2	2830.4	4250.7	6601.2	9650.2	11453.7	*12872.1*	12249.9
65°	951.5	974.8	1176.6	1507.7	1828.6	2811.8	5443.2	9569.2	12333.6	*13901.8*	13166.1
67.5°	*679.0*	*698.5*	*869.7*	*1182.2*	*1323.6*	*1633.3*	*3689.8*	*8534.9*	*12207.1*	*13940.9*	*13215.4*
70°	486.5	497.6	639.0	920.8	1052.0	981.3	2051.9	6527.7	10688.2	*12873.1*	12209.0
72.5°	340.4	344.2	443.7	701.3	847.4	716.2	976.6	4352.1	8083.8	*10104.1*	9465.1
75°	230.7	235.3	298.6	514.4	679.9	546.9	517.2	2333.7	4745.5	*5592.9*	5013.4
77.5°	141.4	143.2	192.5	351.6	508.8	416.7	333.0	988.7	1836.1	*1802.6*	1536.6
80°	80.0	80.0	122.8	218.6	346.9	268.8	233.5	420.4	581.3	*510.6*	450.2
82.5°	44.6	45.6	89.3	135.8	229.7	159.1	128.4	194.4	251.1	*222.3*	193.5
85°	18.6	20.5	54.9	64.2	109.8	79.1	52.1	81.9	93.0	*82.8*	60.5
87.5°	1.9	2.8	16.7	12.1	13.0	15.8	7.4	15.8	13.0	*13.0*	9.3
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°	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2	2140.2
2.5°	2154.2	2140.2	2104.9	2064.0	2010.0	1984.0	1948.6	1924.4	1904.0	1905.8	1887.2
5°	2196.0	2160.7	2081.6	1983.0	1860.3	1772.8	1679.8	1615.6	1563.6	1552.4	1527.3
7.5°	2253.7	2197.9	2059.3	1881.7	1674.2	1517.1	1376.6	1286.4	1222.2	1201.7	1181.3
10°	2328.1	2247.2	2030.5	1754.2	1455.7	1255.7	1105.0	1034.3	990.6	975.7	964.6
12.5°	2414.6	2303.9	1992.3	1598.9	1230.6	1038.0	942.2	906.9	892.9	888.3	885.5
15°	2523.5	2374.6	1934.7	1414.7	1039.9	905.0	864.1	859.4	861.3	859.4	858.5
17.5°	2652.7	2451.8	1840.7	1225.0	911.5	837.1	822.2	826.0	830.6	829.7	827.8
20°	2794.1	2528.1	1720.8	1056.6	824.1	788.8	780.4	784.1	787.8	786.0	785.0
22.5°	2955.0	2610.0	1587.7	925.5	765.5	744.1	734.8	735.7	735.7	732.0	730.2
25°	3147.6	2700.2	1448.2	832.5	720.9	704.1	693.0	689.2	683.6	672.5	670.6
27.5°	3377.3	2796.0	1314.3	767.4	685.5	669.7	656.7	647.4	633.4	614.8	613.0
30°	3635.9	2912.3	1200.8	726.4	657.6	641.8	626.9	613.0	592.5	569.2	567.4
32.5°	3940.1	3036.9	1118.0	699.5	632.5	615.7	598.1	581.3	559.0	535.8	536.7
35°	4302.8	3187.6	1069.7	680.9	613.0	590.6	571.1	552.5	535.8	515.3	513.4
37.5°	4696.3	3347.6	1054.8	671.6	599.9	565.5	543.2	530.2	528.3	516.2	515.3
40°	5126.9	3537.3	1065.9	666.0	586.0	541.3	517.2	514.4	519.0	497.6	498.6
42.5°	5582.7	3762.4	1084.5	659.5	566.5	517.2	493.9	493.9	490.2	460.4	460.4
45°	6075.6	4021.9	1103.1	643.7	543.2	493.0	475.3	468.8	453.0	424.1	423.2
47.5°	6572.3	4286.1	1117.1	614.8	515.3	472.5	456.7	441.8	418.6	392.5	391.6
50°	7043.9	4523.2	1102.2	572.0	483.7	453.0	436.2	415.8	390.7	373.0	370.2
52.5°	7465.3	4728.8	1039.0	521.8	450.2	432.5	417.6	396.2	375.8	357.2	355.3
55°	7831.7	4895.3	927.3	474.4	420.4	414.8	400.0	373.0	345.1	329.3	327.4
57.5°	8183.3	5021.8	787.8	435.3	393.4	395.3	373.0	348.8	322.8	306.0	304.2
60°	8651.2	5191.1	646.4	399.0	364.6	370.2	346.0	328.3	295.8	274.4	271.6
62.5°	9399.0	5454.3	513.4	354.4	331.1	333.0	322.8	301.4	262.3	237.2	235.3
65°	9992.4	5357.6	404.6	306.0	293.0	295.8	295.8	272.5	230.7	201.8	199.0
67.5°	*9925.5*	*4587.4*	*322.8*	*258.6*	*256.7*	*258.6*	*265.1*	*245.6*	*204.6*	*181.4*	*177.7*
70°	9143.2	3648.9	258.6	214.9	223.2	218.6	237.2	224.2	184.2	160.9	158.1
72.5°	7460.6	2628.6	197.2	177.7	171.1	178.6	213.9	201.8	153.5	127.4	124.6
75°	4359.5	1402.6	147.0	140.5	123.7	148.8	189.7	172.1	117.2	93.9	91.2
77.5°	1419.4	489.3	107.9	103.2	92.1	120.0	161.8	145.1	95.8	74.4	71.6
80°	380.4	147.9	73.5	67.9	59.5	89.3	128.4	115.3	68.8	48.4	47.4
82.5°	152.5	62.3	42.8	38.1	32.6	61.4	101.4	93.0	51.2	30.7	30.7
85°	49.3	20.5	15.8	12.1	14.9	38.1	60.5	63.2	36.3	15.8	12.1
87.5°	6.5	2.8	2.8	3.7	2.8	6.5	18.6	17.7	10.2	1.9	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


HS
SS

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(END OF REPORT)