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: P1203834

Luminaire Tested: GWC-SB2D-827-U-SL2-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203834
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-SL2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	14340 lumens
Efficiency:	N/A
Efficacy:	97.2 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
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

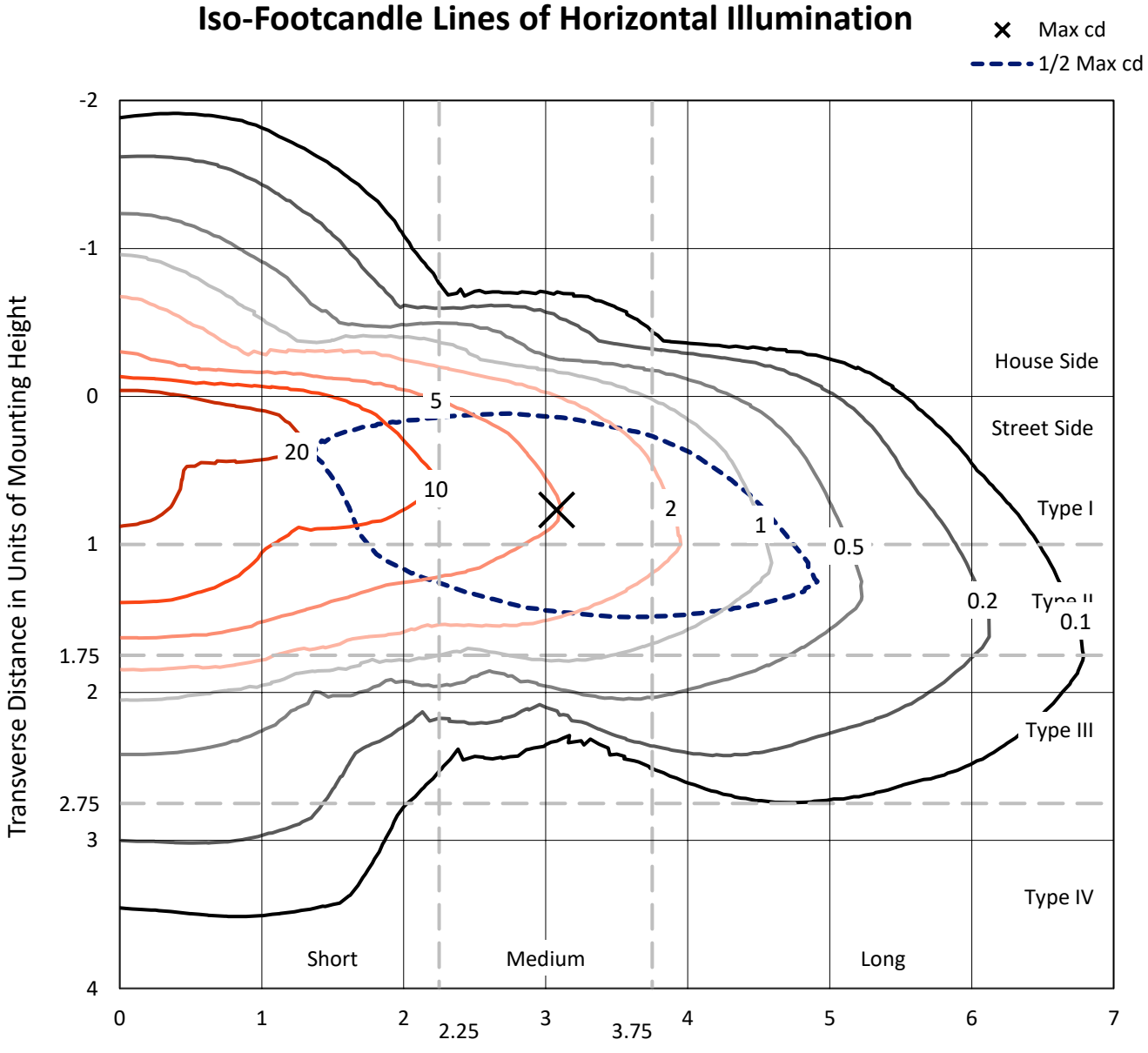


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Iso-Footcandle Lines of Horizontal Illumination



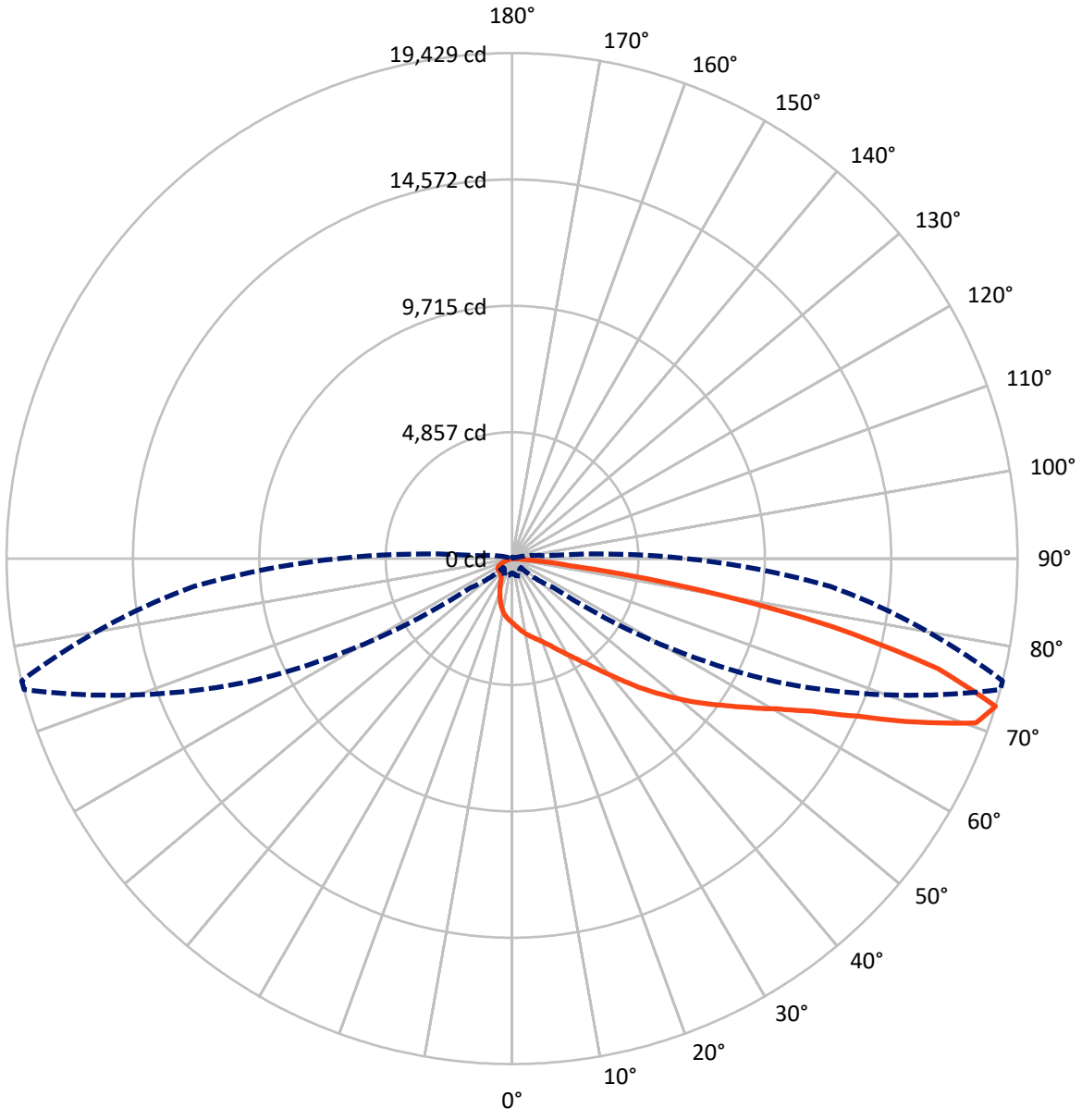
Based on 10 foot mounting height. Maximum calculated value = 32.7 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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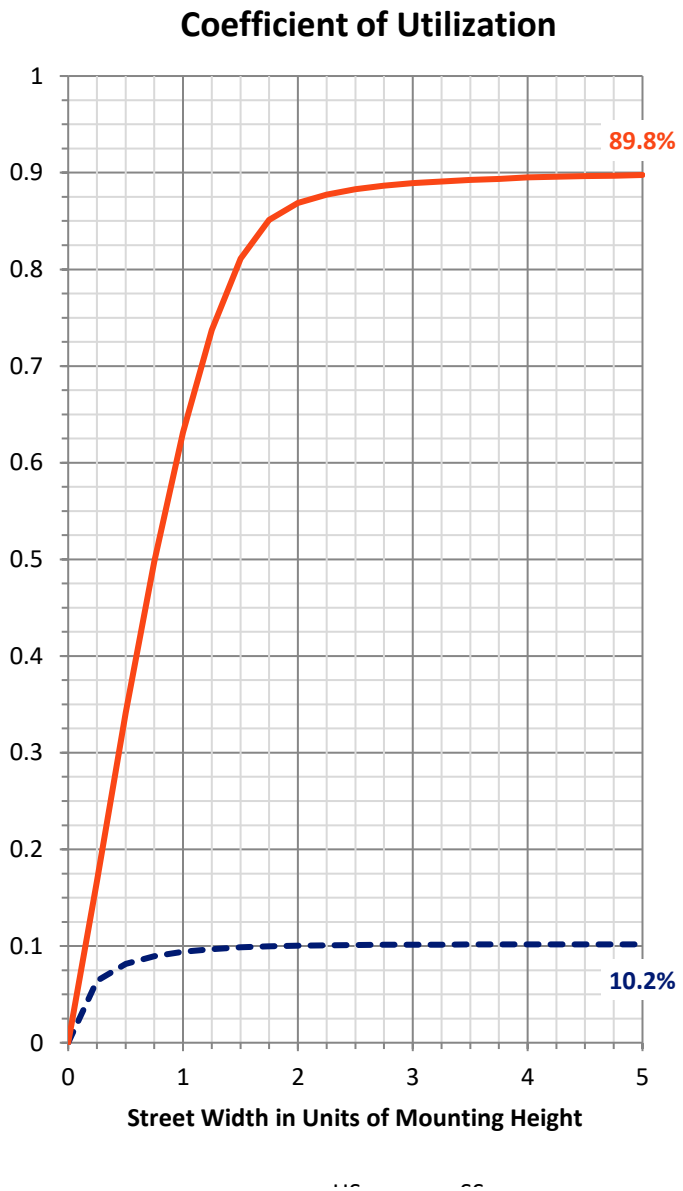
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1467.7	0.0	1467.7
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	12872.3	0.0	12872.3
	% Fixture	89.8	0.0	89.8
Total	Lumens	14340.0	0.0	14340.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.4	1.6
10°-20°	604.3	4.2
20°-30°	956.5	6.7
30°-40°	1479.8	10.3
40°-50°	2247.6	15.7
50°-60°	3098.5	21.6
60°-70°	3273.4	22.8
70°-80°	2245.6	15.7
80°-90°	209.0	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°	14340.0	100.0
0°-180°	14340.0	100.0



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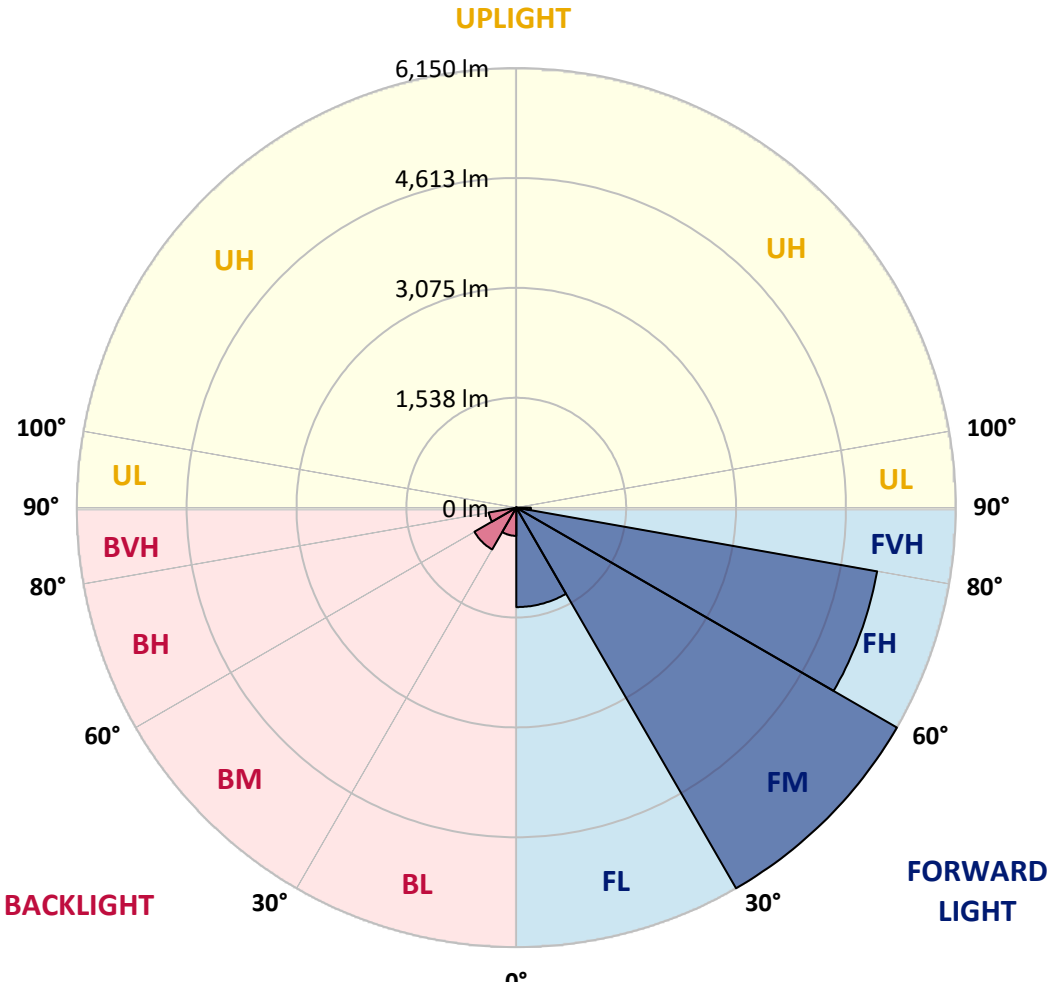
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1391.7	9.7			
FM	(30°-60°)	6150.1	42.9			
FH	(60°-80°)	5127.2	35.8			G3/7500
FVH	(80°-90°)	203.4	1.4			G2/225
BL	(0°-30°)	394.5	2.8	B1/500		
BM	(30°-60°)	675.7	4.7	B1/1000		
BH	(60°-80°)	391.8	2.7	B1/500		G1/500
BVH	(80°-90°)	5.7	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1	*2478.1*	2478.1
2.5°	2880.9	2842.7	2850.2	2812.0	2794.3	2751.6	2706.9	2648.3	2583.2	*2583.2*	2519.9
5°	3184.1	3159.9	3159.9	3115.3	3080.9	3013.9	2933.9	2830.6	2707.8	*2695.7*	2575.7
7.5°	3370.1	3355.3	3364.6	3338.5	3310.6	3240.8	3146.0	3011.1	2837.1	*2822.3*	2641.8
10°	3406.4	3405.5	3431.5	3439.0	3457.6	3422.2	3337.6	3182.2	2964.6	*2943.2*	2698.5
12.5°	3266.0	3248.3	3312.5	3387.8	3493.9	3541.3	3497.6	3338.5	3080.9	*3051.1*	2751.6
15°	3035.3	3039.0	3100.4	3216.7	3393.4	3562.7	3619.4	3491.1	3199.0	*3163.6*	2801.8
17.5°	2903.2	2889.2	2942.3	3046.4	3241.8	3480.8	3676.2	3633.4	3324.6	*3284.6*	2853.0
20°	2887.4	2886.4	2898.5	2946.0	3094.8	3363.6	3669.7	3772.0	3472.5	*3426.0*	2926.4
22.5°	2997.1	2995.3	2985.0	2975.7	3016.7	3249.2	3641.8	3904.1	3649.2	*3599.0*	3030.6
25°	3165.5	3162.7	3146.9	3090.2	3050.2	3187.8	3615.7	4026.9	3858.5	*3802.7*	3157.1
27.5°	3371.1	3369.2	3340.4	3254.8	3151.5	3193.4	3602.7	4153.4	4100.4	*4045.5*	3303.2
30°	3623.2	3619.4	3559.9	3439.0	3304.1	3281.8	3620.4	4295.7	4352.4	*4310.6*	3471.5
32.5°	3939.4	3929.2	3851.1	3668.7	3479.9	3399.9	3653.9	4441.7	4651.0	*4612.0*	3696.7
35°	4184.1	4168.3	4122.7	3961.8	3683.6	3545.0	3732.0	4614.8	5010.1	*4975.7*	3984.1
37.5°	4394.3	4378.5	4341.3	4209.2	3975.7	3730.1	3857.6	4845.5	5434.3	*5417.5*	4334.8
40°	4621.3	4595.2	4577.6	4436.2	4225.0	3997.1	4037.1	5115.2	5922.6	*5924.5*	4756.2
42.5°	4796.2	4785.9	4787.8	4679.0	4465.9	4313.4	4275.2	5419.4	6507.7	*6525.4*	5263.1
45°	4945.9	4937.5	4972.0	4895.7	4708.7	4520.8	4554.3	5763.6	7147.7	*7184.0*	5830.5
47.5°	5061.3	5070.6	5119.9	5070.6	4960.8	4666.9	4801.7	6134.7	7820.3	*7824.9*	6416.6
50°	5176.6	5180.3	5262.2	5238.0	5193.4	4852.0	5029.6	6549.6	8529.1	*8537.5*	6964.5
52.5°	5212.9	5207.3	5337.5	5397.1	5398.9	5080.8	5324.5	7001.7	9224.0	*9250.9*	7528.2
55°	5026.8	5042.7	5252.9	5494.7	5590.6	5397.1	5722.6	7573.8	9964.4	*9975.6*	8086.3
57.5°	4117.1	4204.5	4669.6	5230.6	5714.3	5850.1	6294.7	8242.6	10819.3	*10809.0*	8651.9
60°	2498.5	2602.7	3159.0	4386.9	5310.6	6305.0	7137.5	9278.8	11753.2	*11724.4*	9224.0
62.5°	1397.2	1428.8	1606.5	2626.0	4039.0	6015.7	7960.7	10610.0	13007.1	*12909.4*	9786.7
65°	1029.7	1040.0	1081.8	1286.5	1985.1	4626.9	7780.3	12201.6	14768.9	*14595.0*	10461.1
67.5°	894.9	905.1	946.0	973.9	886.5	2430.6	6410.1	13084.3	17006.1	*16778.2*	11373.7
70°	753.5	759.1	825.1	843.7	634.4	924.6	4118.0	12811.8	19076.7	*18913.9*	12353.2
72.5°	*561.8*	*584.2*	*680.0*	*724.6*	*508.8*	*491.2*	*1938.6*	*11201.6*	*19427.4*	*19429.3*	*12287.1*
75°	381.4	401.9	511.6	596.3	392.5	344.2	782.3	8364.4	16916.8	*16916.8*	10770.9
77.5°	260.5	277.2	356.3	467.9	297.7	236.3	405.6	5308.7	12136.4	*12563.4*	7677.0
80°	115.3	125.6	229.8	339.5	226.0	152.6	229.8	2906.9	7339.3	*7249.1*	3009.2
82.5°	56.7	65.1	147.0	212.1	146.0	94.0	120.9	1382.3	2378.5	*2260.4*	469.8
85°	11.2	14.9	79.1	90.2	67.9	41.9	45.6	425.1	286.5	*327.4*	99.5
87.5°	0.0	0.0	24.2	16.7	7.4	9.3	9.3	38.1	22.3	*26.0*	26.0
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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1	2478.1
2.5°	2486.4	2452.0	2376.7	2302.3	2226.0	2156.2	2107.9	2059.5	2029.7	2016.7	2018.6
5°	2506.0	2436.2	2278.1	2112.5	1948.8	1788.8	1668.8	1556.2	1520.9	1462.3	1466.0
7.5°	2536.7	2423.2	2173.9	1894.8	1628.8	1394.4	1225.1	1090.2	1036.3	984.2	983.2
10°	2557.1	2399.0	2036.2	1663.2	1303.2	1040.0	878.1	780.4	745.1	713.5	712.5
12.5°	2565.5	2354.4	1878.1	1403.7	1013.9	792.5	695.8	650.2	638.1	627.0	627.0
15°	2573.0	2310.6	1701.4	1153.5	800.9	663.2	625.1	610.2	601.8	594.4	594.4
17.5°	2579.5	2254.8	1499.5	937.7	676.3	611.1	592.5	576.7	570.2	561.8	561.8
20°	2601.8	2200.9	1319.0	773.9	608.4	573.9	553.5	536.7	531.1	525.6	526.5
22.5°	2643.7	2157.2	1144.2	663.2	567.4	535.8	509.8	491.2	487.4	483.7	480.9
25°	2693.9	2103.2	979.5	591.6	527.4	492.1	463.2	447.4	443.7	444.6	442.8
27.5°	2758.1	2043.7	838.1	546.0	492.1	451.2	418.6	406.5	408.4	412.1	410.2
30°	2828.8	1988.8	727.4	514.4	460.5	414.9	382.3	373.9	380.5	386.0	384.2
32.5°	2933.9	1940.4	650.2	489.3	432.5	385.1	359.1	348.8	356.3	363.7	361.9
35°	3077.1	1916.2	606.5	467.9	408.4	361.9	335.8	328.4	335.8	337.7	336.7
37.5°	3252.9	1914.4	587.9	450.2	386.0	342.3	313.5	310.7	316.3	317.2	315.3
40°	3479.9	1926.5	573.9	437.2	362.8	320.0	293.0	290.2	292.1	298.6	297.7
42.5°	3767.3	1976.7	554.4	420.5	337.7	297.7	276.3	269.8	268.8	276.3	275.3
45°	4128.3	2087.4	528.4	393.5	315.3	279.1	257.7	250.2	247.4	249.3	252.1
47.5°	4521.7	2223.2	502.3	368.4	299.5	264.2	242.8	233.5	228.8	228.8	228.8
50°	4903.1	2376.7	484.6	342.3	288.4	250.2	227.0	217.7	210.2	208.4	207.4
52.5°	5280.8	2527.4	470.7	316.3	275.3	232.6	212.1	201.9	193.5	189.8	187.9
55°	5625.0	2670.6	446.5	291.2	258.6	213.9	197.2	187.0	176.7	170.2	167.4
57.5°	5955.2	2789.7	401.9	265.1	232.6	196.3	181.4	170.2	158.1	149.8	146.0
60°	6255.7	2851.1	346.0	237.2	206.5	177.7	163.7	153.5	137.7	123.7	120.0
62.5°	6484.5	2826.9	285.6	205.6	179.5	160.9	143.3	133.0	114.4	97.7	91.2
65°	6718.9	2694.8	227.9	172.1	157.2	138.6	120.0	109.8	88.4	70.7	66.0
67.5°	7023.1	2413.0	179.5	143.3	135.8	109.8	94.0	87.4	72.6	55.8	52.1
70°	7218.4	1874.4	139.5	116.3	111.6	80.0	72.6	71.6	57.7	42.8	38.1
72.5°	*6682.6*	*1228.8*	*107.0*	*88.4*	*80.0*	*52.1*	*55.8*	*55.8*	*41.9*	*28.8*	*25.1*
75°	5578.5	719.1	77.2	63.3	45.6	33.5	38.1	38.1	26.0	14.0	11.2
77.5°	3984.1	383.2	51.2	39.1	23.3	14.9	20.5	19.5	8.4	0.9	0.0
80°	1523.7	132.1	24.2	15.8	6.5	2.8	1.9	0.9	0.9	0.0	0.0
82.5°	232.6	34.4	4.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	41.9	4.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.3	0.0	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)