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: P1203098

Luminaire Tested: GWC-SB2B-827-U-T3-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203098
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2B-827-U-T3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7678 lumens
Efficiency:	N/A
Efficacy:	103.9 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	73.9
Input Voltage (V):	120.0
Input Current (Ain):	0.627
Voltage Rise (V):	NR
Power Factor:	0.988
Total Harmonic Distortion (THDi):	13.593
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

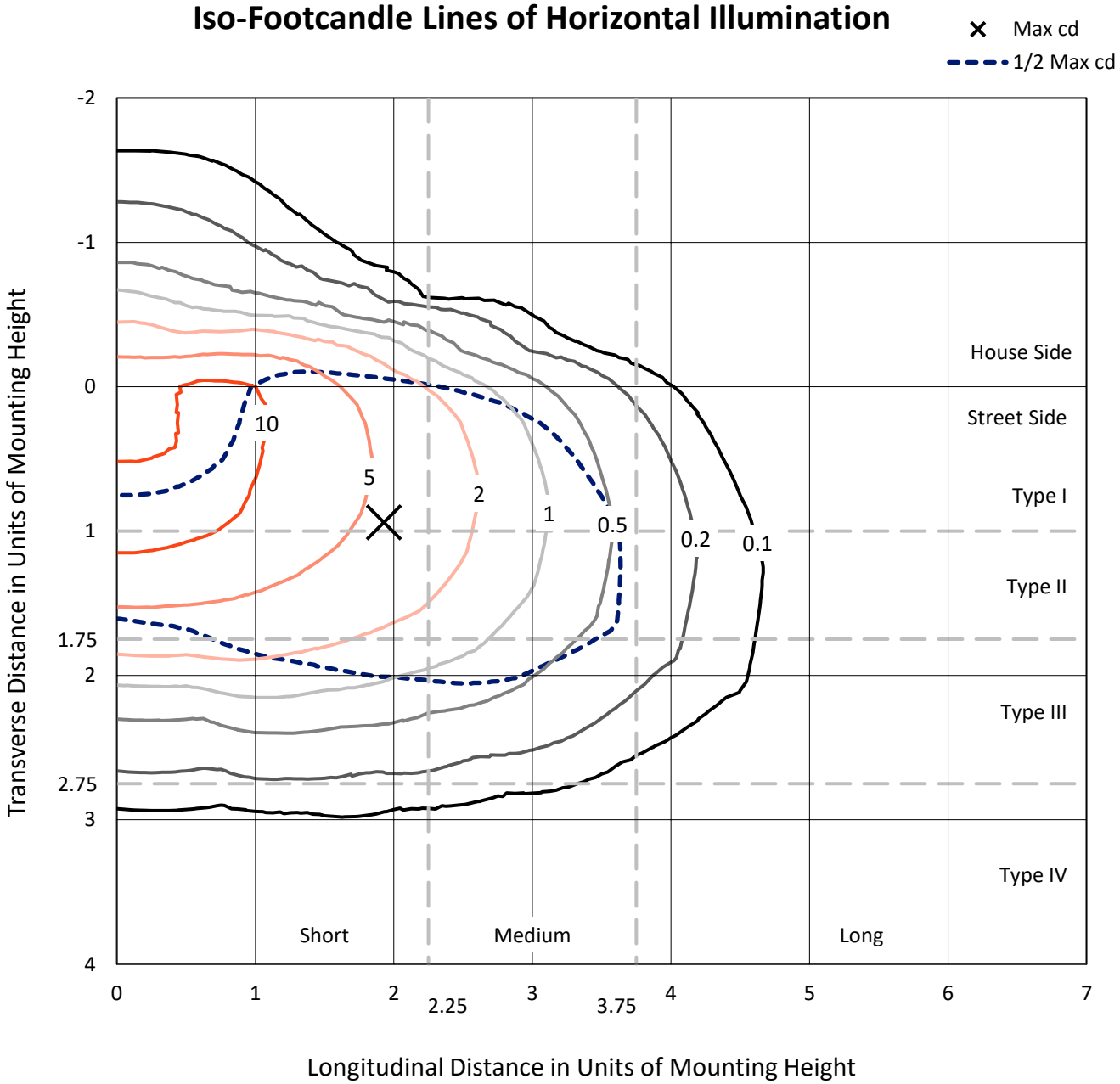


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Iso-Footcandle Lines of Horizontal Illumination



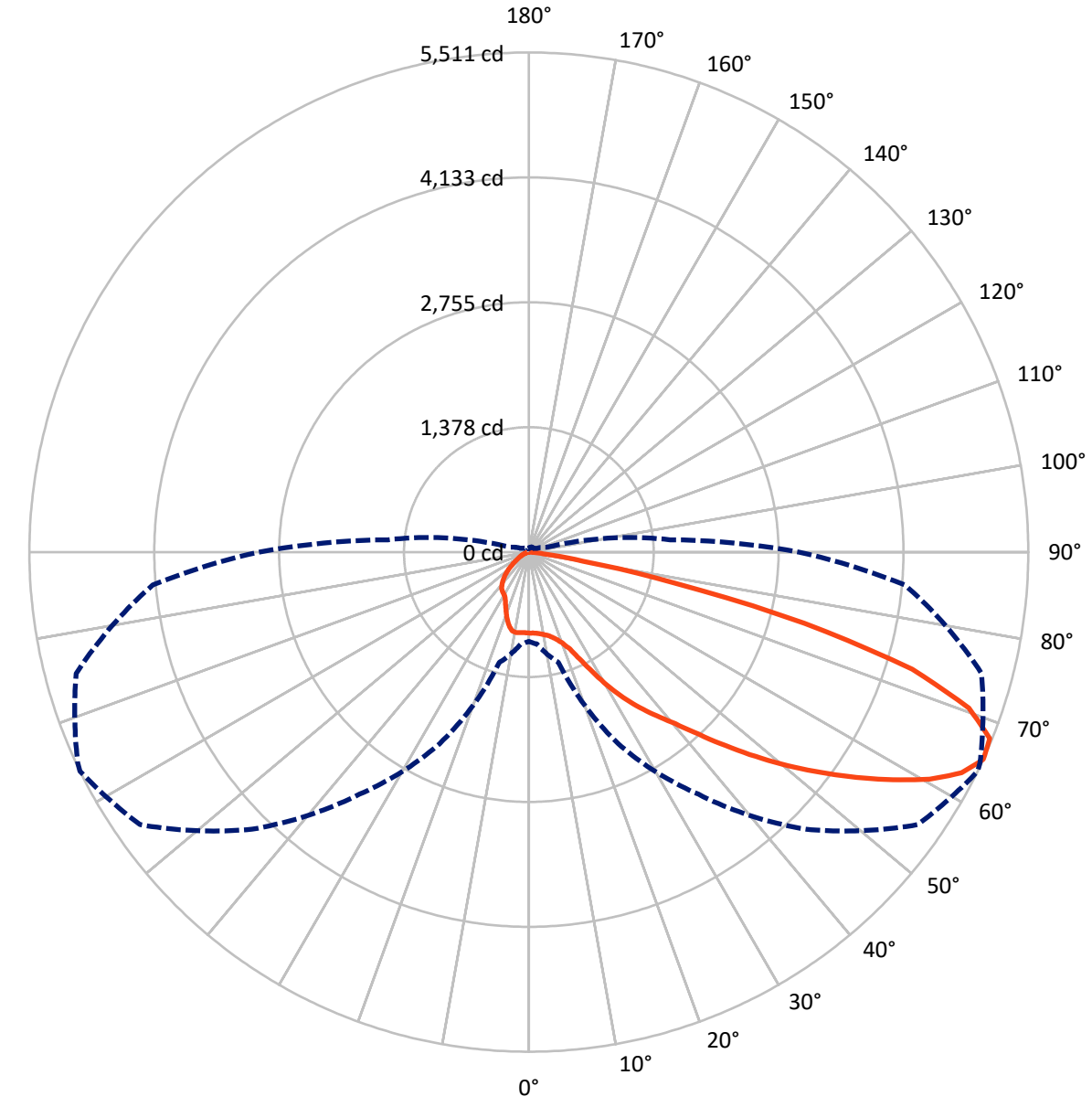
Based on 10 foot mounting height. Maximum calculated value = 14 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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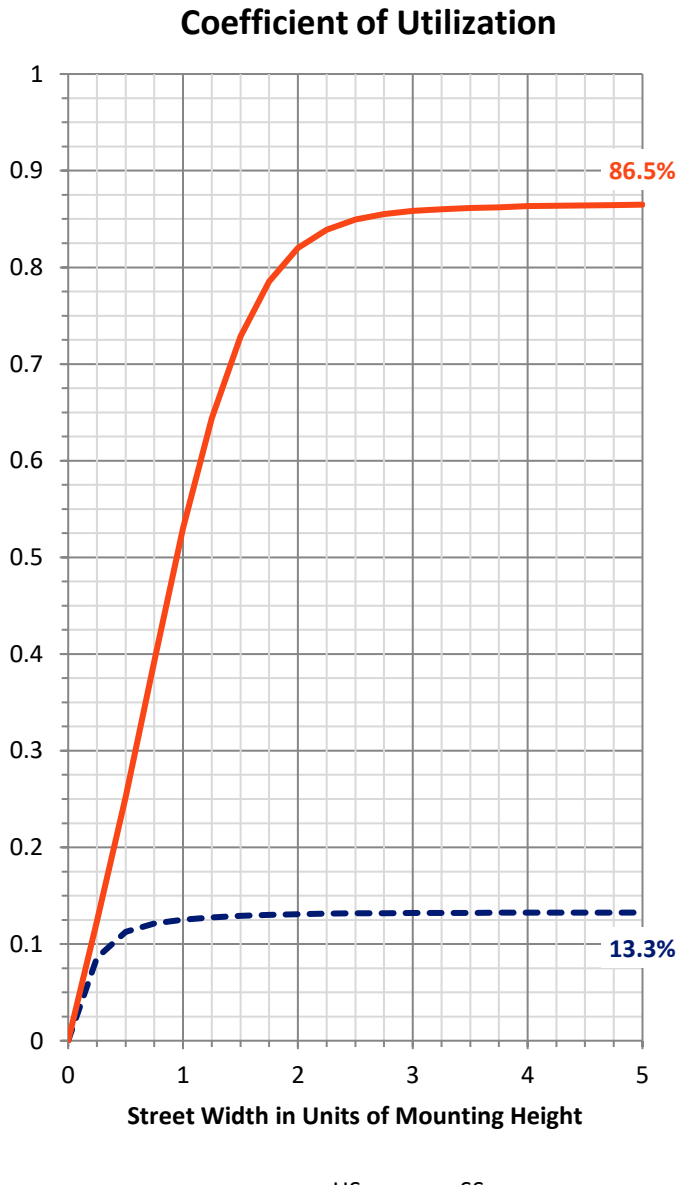
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1026.8	0.0	1026.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	6651.2	0.0	6651.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	7678.0	0.0	7678.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	1.1
10°-20°	223.5	2.9
20°-30°	423.5	5.5
30°-40°	856.9	11.2
40°-50°	1459.7	19.0
50°-60°	1985.1	25.9
60°-70°	1864.1	24.3
70°-80°	746.8	9.7
80°-90°	36.2	0.5
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°	7678.0	100.0
0°-180°	7678.0	100.0



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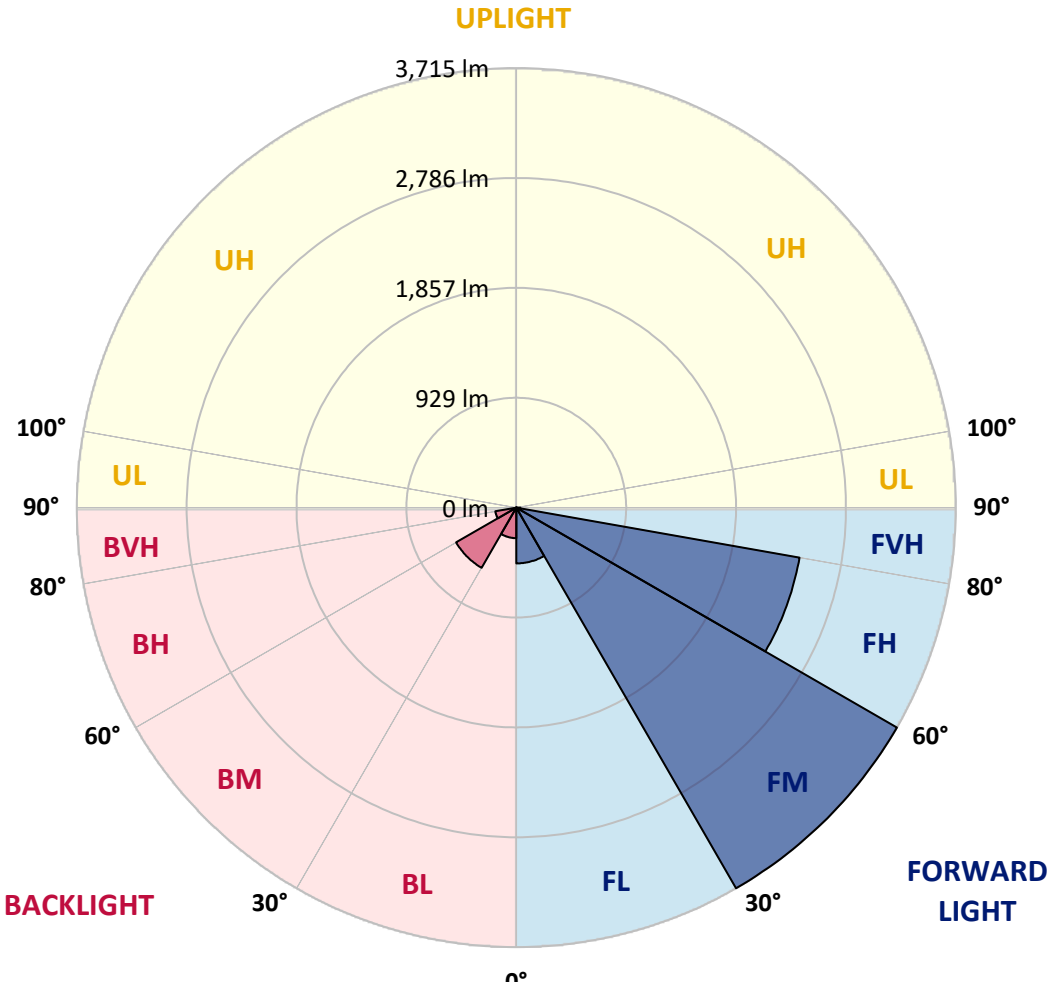
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	471.5	6.1			
FM	(30°-60°)	3714.6	48.4			
FH	(60°-80°)	2430.7	31.7			G2/5000
FVH	(80°-90°)	34.4	0.4			G1/100
BL	(0°-30°)	257.8	3.4	B1/500		
BM	(30°-60°)	587.0	7.6	B1/1000		
BH	(60°-80°)	180.2	2.3	B1/500		G1/500
BVH	(80°-90°)	1.8	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-G2
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	893.0	893.0	893.0	893.0	893.0	893.0	893.0	*893.0*	893.0	893.0	893.0
2.5°	889.9	896.1	894.6	893.0	892.5	893.5	894.1	*893.5*	893.5	893.5	894.1
5°	873.0	878.1	878.1	881.7	886.9	893.0	897.7	*898.7*	899.7	901.3	900.8
7.5°	840.5	844.6	847.7	859.6	872.4	888.9	902.8	*910.0*	911.0	916.7	918.8
10°	818.4	823.5	828.7	841.0	859.6	884.3	908.0	*925.5*	928.0	941.4	947.6
12.5°	817.4	822.5	829.2	842.6	864.2	890.5	919.3	*944.5*	949.1	968.7	981.6
15°	828.2	834.4	840.5	857.0	880.2	912.1	943.0	*974.4*	979.0	1006.8	1020.7
17.5°	850.3	858.5	863.2	879.6	904.4	939.9	980.5	*1016.6*	1020.7	1053.1	1070.6
20°	894.1	903.8	905.4	918.8	943.0	981.0	1029.4	*1074.2*	1079.4	1116.4	1136.0
22.5°	984.7	998.5	986.2	992.9	1014.5	1052.6	1105.1	*1161.7*	1168.9	1211.1	1228.6
25°	1144.2	1163.8	1131.9	1120.5	1129.8	1169.4	1235.3	*1306.9*	1315.1	1349.1	1357.8
27.5°	1457.7	1432.5	1384.1	1336.7	1308.9	1331.6	1405.7	*1494.2*	1504.5	1537.5	1527.2
30°	1802.0	1779.9	1714.5	1609.5	1543.6	1540.0	1608.5	*1707.3*	1719.1	1750.5	1719.1
32.5°	2146.9	2125.8	2054.7	1925.6	1811.3	1754.7	1802.0	*1911.7*	1917.8	1937.9	1891.6
35°	2486.1	2464.5	2393.4	2261.1	2120.6	1991.9	1982.7	*2106.2*	2108.3	2129.4	2060.4
37.5°	2827.3	2809.3	2733.7	2603.9	2465.5	2287.9	2202.0	*2290.5*	2293.1	2313.6	2242.1
40°	3070.8	3078.5	3026.5	2926.2	2807.3	2613.2	2448.0	*2486.6*	2471.1	2505.6	2462.9
42.5°	3279.8	3295.2	3249.9	3199.5	3130.5	2959.6	2752.7	*2746.0*	2721.3	2739.8	2695.6
45°	3460.4	3473.3	3432.6	3420.8	3419.3	3299.3	3085.7	*3045.6*	3011.1	3007.5	2954.5
47.5°	3526.8	3551.5	3569.0	3608.7	3685.9	3635.4	3430.1	*3367.8*	3329.2	3300.9	3217.0
50°	3552.1	3578.3	3638.0	3753.3	3936.0	3957.6	3772.9	*3702.9*	3655.5	3604.0	3480.5
52.5°	3518.1	3564.9	3645.2	3839.3	4104.3	4216.0	4101.8	*4040.5*	3986.5	3902.6	3719.3
55°	3317.9	3364.7	3528.9	3838.2	4188.2	4397.2	4412.7	*4385.4*	4324.6	4192.4	3912.4
57.5°	2895.8	2965.3	3225.2	3707.5	4186.7	4553.2	4717.4	*4736.9*	4669.0	4479.6	4064.2
60°	2311.1	2405.3	2722.3	3417.7	4057.5	4637.6	4984.5	*5082.3*	5010.2	4762.7	4187.2
62.5°	1612.6	1721.7	2021.8	2963.7	3762.1	4576.8	5179.6	*5360.2*	5305.7	5015.9	4234.6
65°	*983.6*	*1018.6*	*1260.5*	*2332.2*	*3259.7*	*4322.6*	*5239.8*	*5510.5*	*5492.5*	*5170.8*	*4164.6*
67.5°	655.2	684.6	754.1	1599.2	2530.3	3814.6	5095.7	*5484.3*	5489.4	5145.6	3908.2
70°	394.8	420.0	465.3	930.1	1639.9	3019.3	4649.4	*5149.7*	5179.6	4808.5	3422.3
72.5°	162.7	179.6	220.8	421.6	849.3	1916.3	3702.3	*4421.4*	4490.9	4043.1	2626.6
75°	92.1	100.9	129.7	211.5	368.5	893.0	2242.6	*3138.7*	3241.2	2786.7	1580.2
77.5°	61.3	65.4	83.9	136.9	207.4	304.7	958.4	*1635.3*	1830.8	1522.0	684.1
80°	41.2	44.8	57.6	91.6	134.9	130.7	305.2	*605.8*	745.3	523.0	166.8
82.5°	27.8	28.3	41.2	60.2	85.4	63.3	90.1	*188.4*	236.8	151.3	63.3
85°	16.0	15.4	30.4	35.0	38.1	26.3	27.3	*56.6*	74.1	63.8	36.0
87.5°	2.1	3.1	11.8	9.3	5.1	5.7	5.7	*9.8*	14.4	15.4	7.7
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°	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0	893.0
2.5°	894.1	893.5	892.0	890.5	886.9	884.8	885.8	884.8	884.3	884.8	886.9
5°	900.8	899.2	895.1	889.9	882.7	874.0	868.3	860.1	852.4	847.7	848.8
7.5°	918.8	917.2	911.6	897.1	874.0	837.4	804.0	774.6	752.5	739.6	740.2
10°	947.6	945.0	936.3	904.4	843.6	763.8	697.4	642.4	606.3	589.3	587.8
12.5°	981.6	978.5	963.0	897.7	786.0	661.4	569.8	508.5	475.1	460.2	458.6
15°	1021.7	1017.6	987.2	865.8	702.1	548.2	464.3	418.5	396.8	383.5	384.0
17.5°	1071.6	1064.4	1005.2	817.9	611.0	461.7	399.4	364.9	345.9	333.0	332.0
20°	1136.5	1124.7	1019.7	760.7	527.1	407.1	355.7	326.8	312.4	301.1	299.0
22.5°	1227.1	1210.1	1037.2	699.0	467.9	369.6	323.2	302.1	290.3	277.4	275.4
25°	1339.3	1319.2	1058.8	641.9	427.2	337.1	299.6	282.1	268.2	253.2	251.7
27.5°	1496.3	1460.2	1084.5	595.0	392.2	309.3	277.9	258.4	242.4	230.1	227.5
30°	1671.3	1612.1	1107.2	566.7	360.3	283.6	249.6	230.1	215.2	206.4	204.9
32.5°	1837.0	1756.7	1122.1	554.3	331.5	254.3	218.8	197.7	186.3	183.8	185.3
35°	1993.5	1887.5	1120.5	542.5	305.7	224.9	188.4	166.8	158.0	159.6	159.6
37.5°	2173.6	2026.9	1109.7	524.0	284.6	198.2	162.1	143.1	135.4	135.9	137.9
40°	2383.1	2188.1	1103.0	489.0	261.5	173.5	140.5	125.1	119.4	117.4	116.8
42.5°	2606.5	2344.0	1104.1	449.3	232.7	151.3	125.6	112.7	107.6	106.0	105.5
45°	2830.9	2492.8	1105.6	408.2	202.3	134.3	114.8	104.0	100.9	98.8	98.8
47.5°	3042.0	2619.4	1076.8	363.9	172.4	121.5	106.0	98.8	96.3	93.7	93.7
50°	3238.6	2703.8	1007.3	312.4	148.8	111.2	99.3	94.2	91.6	89.0	89.0
52.5°	3391.5	2717.2	892.5	259.4	132.3	103.5	95.2	90.6	87.5	84.9	84.4
55°	3459.4	2633.3	729.4	210.0	119.4	96.8	91.1	86.5	82.9	80.3	79.8
57.5°	3441.9	2456.7	568.8	168.8	107.1	90.1	86.0	82.9	78.8	74.6	74.1
60°	3355.9	2220.5	428.8	140.5	95.7	82.9	80.3	77.7	72.1	65.9	64.9
62.5°	3207.2	1923.5	305.7	116.3	83.4	74.6	73.6	71.5	63.3	52.0	51.0
65°	*2979.7*	*1562.7*	*205.9*	*96.8*	*71.5*	*65.4*	*65.9*	*62.3*	*51.5*	*38.6*	*37.6*
67.5°	2647.2	1142.7	131.8	79.3	59.7	54.6	55.1	53.0	43.8	32.9	31.4
70°	2223.6	756.6	86.0	60.2	47.9	42.2	45.3	45.8	37.1	26.8	25.7
72.5°	1630.1	446.8	60.2	44.8	35.0	29.3	37.1	38.1	29.9	20.1	19.0
75°	929.1	212.1	45.3	32.4	21.6	20.6	28.8	28.8	20.6	13.4	12.4
77.5°	390.2	88.5	31.9	21.1	12.4	11.8	19.6	18.0	10.3	6.2	6.2
80°	112.7	39.6	17.0	10.3	5.1	4.6	7.7	5.7	2.6	1.0	1.0
82.5°	44.3	17.5	6.7	4.1	2.1	2.1	1.0	0.0	0.0	0.0	0.0
85°	26.3	7.2	3.1	1.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.7	1.5	1.0	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


HS
SS

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(END OF REPORT)