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: P1202724

Luminaire Tested: GWC-SB2A-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:	P1202724
	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-SB2A-827-U-T3-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA 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:	6117 lumens
Efficiency:	N/A
Efficacy:	106.8 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):	57.3
Input Voltage (V):	120.0
Input Current (Ain):	0.484
Voltage Rise (V):	NR
Power Factor:	0.994
Total Harmonic Distortion (THDi):	9.038
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

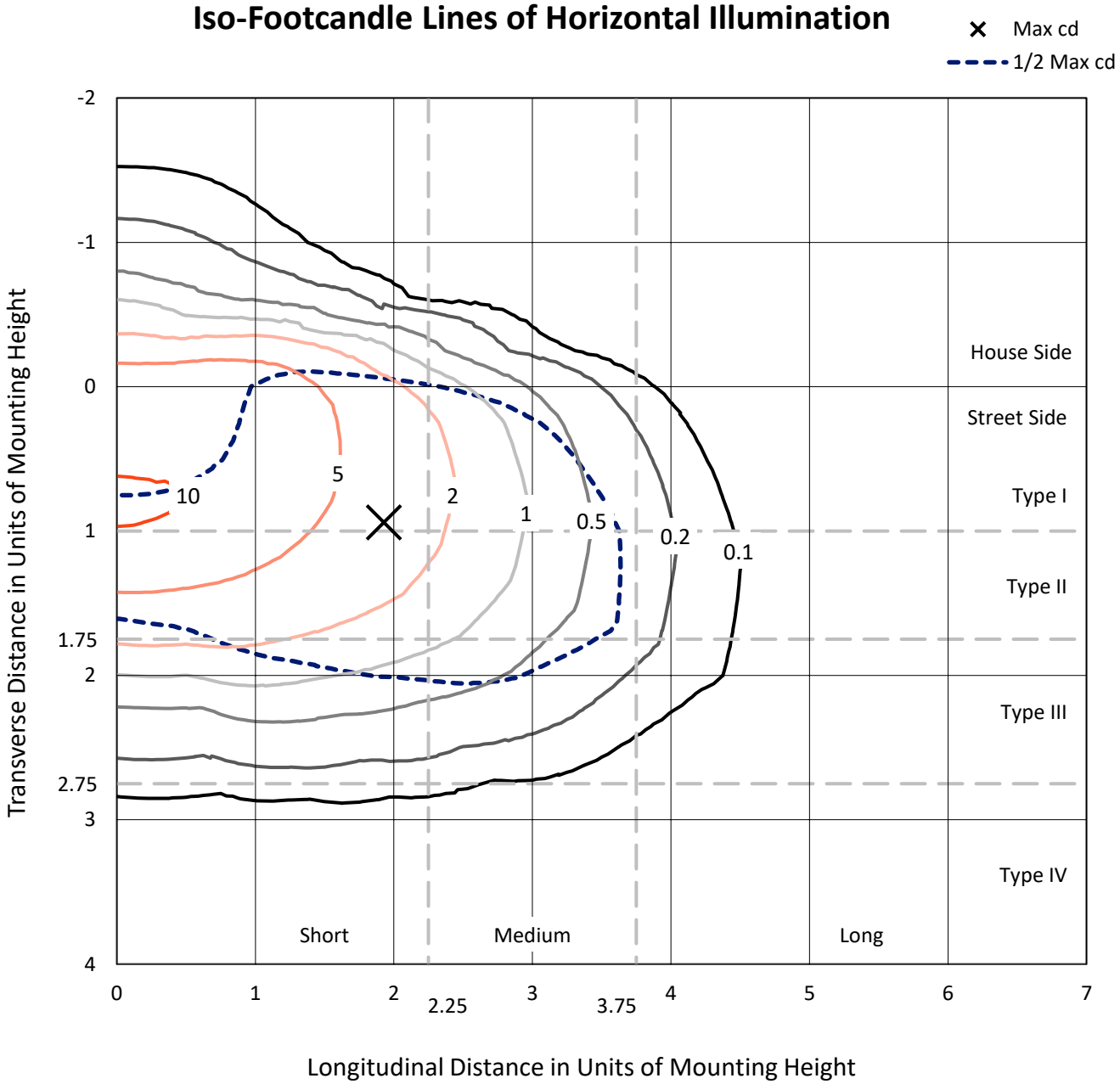


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Iso-Footcandle Lines of Horizontal Illumination



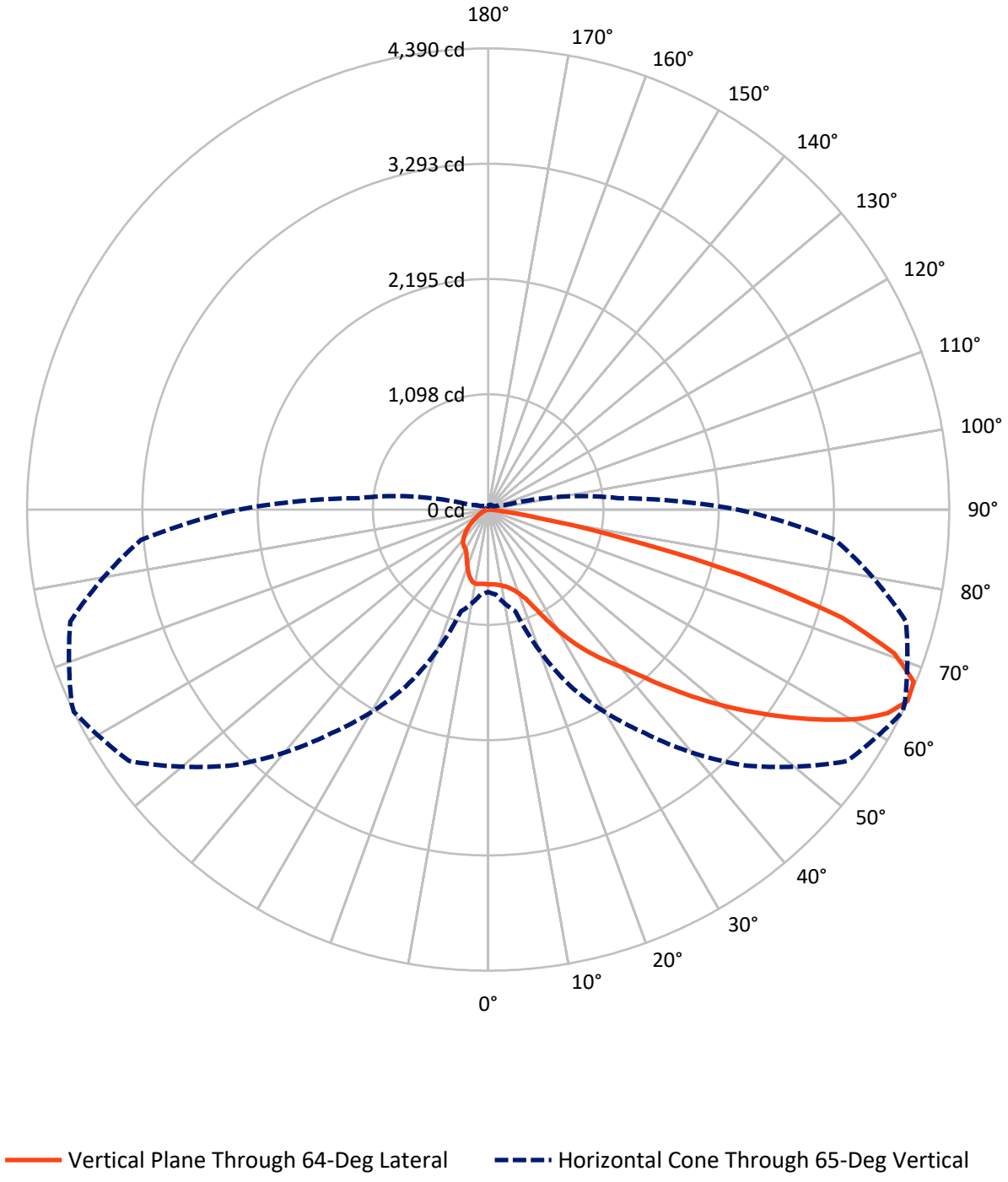
Based on 10 foot mounting height. Maximum calculated value = 11.2 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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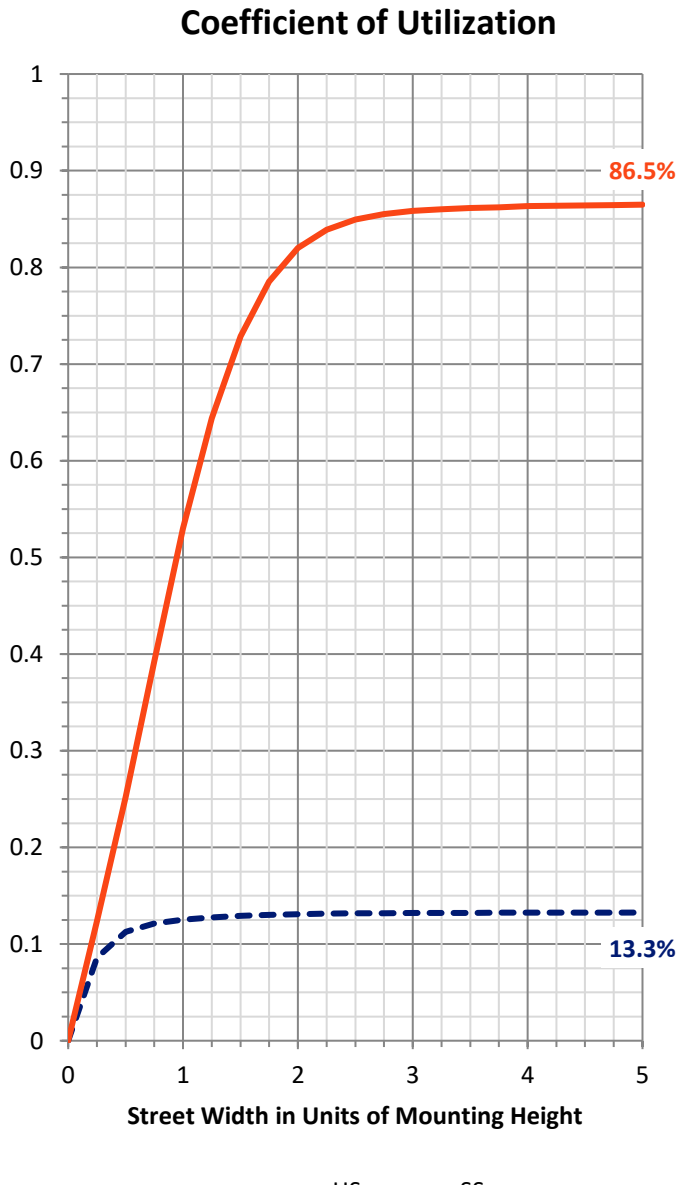
REPORT NUMBER: P1202724
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	818.0	0.0	818.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	5299.0	0.0	5299.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	6117.0	0.0	6117.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.6	1.1
10°-20°	178.0	2.9
20°-30°	337.4	5.5
30°-40°	682.7	11.2
40°-50°	1162.9	19.0
50°-60°	1581.5	25.9
60°-70°	1485.1	24.3
70°-80°	595.0	9.7
80°-90°	28.8	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°	6117.0	100.0
0°-180°	6117.0	100.0



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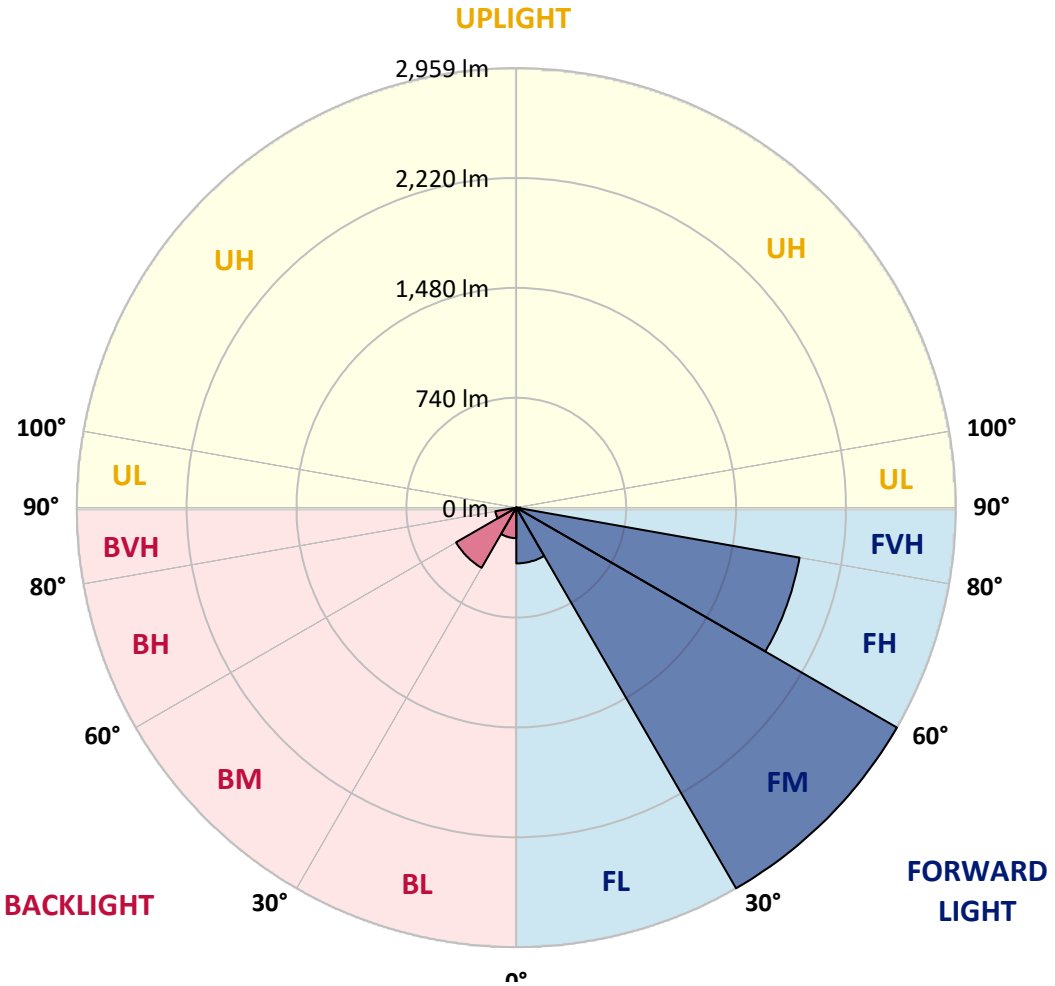
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	375.7	6.1			
FM	(30°-60°)	2959.4	48.4			
FH	(60°-80°)	1936.5	31.7			G2/5000
FVH	(80°-90°)	27.4	0.4			G1/100
BL	(0°-30°)	205.4	3.4	B1/500		
BM	(30°-60°)	467.7	7.6	B1/1000		
BH	(60°-80°)	143.6	2.3	B1/500		G1/500
BVH	(80°-90°)	1.4	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°	711.5	711.5	711.5	711.5	711.5	711.5	711.5	*711.5*	711.5	711.5	711.5
2.5°	709.0	713.9	712.7	711.5	711.1	711.9	712.3	*711.9*	711.9	711.9	712.3
5°	695.5	699.6	699.6	702.4	706.5	711.5	715.2	*716.0*	716.8	718.0	717.6
7.5°	669.6	672.9	675.4	684.8	695.1	708.2	719.3	*725.0*	725.8	730.3	732.0
10°	652.0	656.1	660.2	670.1	684.8	704.5	723.4	*737.3*	739.4	750.0	754.9
12.5°	651.2	655.3	660.6	671.3	688.5	709.4	732.4	*752.5*	756.2	771.8	782.0
15°	659.8	664.7	669.6	682.8	701.2	726.6	751.2	*776.3*	780.0	802.1	813.2
17.5°	677.4	684.0	687.7	700.8	720.5	748.8	781.2	*809.9*	813.2	839.0	852.9
20°	712.3	720.1	721.3	732.0	751.2	781.6	820.1	*855.8*	859.9	889.4	905.0
22.5°	784.5	795.5	785.7	791.0	808.2	838.6	880.4	*925.5*	931.3	964.9	978.8
25°	911.6	927.2	901.7	892.7	900.1	931.7	984.2	*1041.2*	1047.7	1074.8	1081.8
27.5°	1161.3	1141.2	1102.7	1065.0	1042.8	1060.8	1119.9	*1190.4*	1198.6	1224.9	1216.7
30°	1435.7	1418.0	1365.9	1282.3	1229.8	1226.9	1281.5	*1360.2*	1369.6	1394.6	1369.6
32.5°	1710.4	1693.6	1637.0	1534.1	1443.0	1397.9	1435.7	*1523.0*	1527.9	1543.9	1507.0
35°	1980.6	1963.4	1906.8	1801.4	1689.5	1587.0	1579.6	*1678.0*	1679.6	1696.5	1641.5
37.5°	2252.5	2238.2	2177.9	2074.5	1964.2	1822.8	1754.3	*1824.8*	1826.9	1843.3	1786.3
40°	2446.5	2452.6	2411.2	2331.2	2236.5	2081.9	1950.3	*1981.0*	1968.7	1996.2	1962.2
42.5°	2613.0	2625.3	2589.2	2549.0	2494.0	2357.9	2193.1	*2187.7*	2168.0	2182.8	2147.5
45°	2756.9	2767.1	2734.8	2725.3	2724.1	2628.5	2458.4	*2426.4*	2398.9	2396.0	2353.8
47.5°	2809.8	2829.5	2843.4	2875.0	2936.5	2896.3	2732.7	*2683.1*	2652.3	2629.8	2562.9
50°	2829.9	2850.8	2898.4	2990.2	3135.8	3153.0	3005.8	*2950.0*	2912.3	2871.3	2772.9
52.5°	2802.8	2840.1	2904.1	3058.7	3269.9	3358.9	3267.8	*3219.0*	3176.0	3109.1	2963.2
55°	2643.3	2680.6	2811.4	3057.9	3336.7	3503.2	3515.5	*3493.8*	3445.4	3340.0	3116.9
57.5°	2307.1	2362.4	2569.5	2953.7	3335.5	3627.5	3758.3	*3773.9*	3719.7	3568.8	3237.9
60°	1841.2	1916.3	2168.9	2722.9	3232.6	3694.7	3971.1	*4049.0*	3991.6	3794.4	3335.9
62.5°	1284.7	1371.7	1610.8	2361.2	2997.2	3646.3	4126.5	*4270.5*	4227.0	3996.1	3373.6
65°	*783.6*	*811.5*	*1004.3*	*1858.0*	*2597.0*	*3443.8*	*4174.5*	*4390.2*	*4375.9*	*4119.6*	*3317.9*
67.5°	522.0	545.4	600.8	1274.1	2015.9	3039.0	4059.7	*4369.3*	4373.4	4099.5	3113.7
70°	314.5	334.6	370.7	741.0	1306.5	2405.5	3704.2	*4102.7*	4126.5	3830.9	2726.6
72.5°	129.6	143.1	175.9	335.8	676.6	1526.7	2949.6	*3522.5*	3577.9	3221.1	2092.6
75°	73.4	80.4	103.3	168.5	293.6	711.5	1786.7	*2500.6*	2582.2	2220.1	1258.9
77.5°	48.8	52.1	66.8	109.1	165.3	242.8	763.5	*1302.8*	1458.6	1212.6	545.0
80°	32.8	35.7	45.9	73.0	107.4	104.2	243.2	*482.7*	593.8	416.6	132.9
82.5°	22.1	22.6	32.8	48.0	68.1	50.4	71.8	*150.1*	188.6	120.6	50.4
85°	12.7	12.3	24.2	27.9	30.3	20.9	21.7	*45.1*	59.1	50.8	28.7
87.5°	1.6	2.5	9.4	7.4	4.1	4.5	4.5	*7.8*	11.5	12.3	6.2
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°	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5	711.5
2.5°	712.3	711.9	710.7	709.4	706.5	704.9	705.7	704.9	704.5	704.9	706.5
5°	717.6	716.4	713.1	709.0	703.3	696.3	691.8	685.2	679.1	675.4	676.2
7.5°	732.0	730.7	726.2	714.8	696.3	667.2	640.5	617.2	599.5	589.3	589.7
10°	754.9	752.9	745.9	720.5	672.1	608.5	555.6	511.8	483.1	469.5	468.3
12.5°	782.0	779.5	767.2	715.2	626.2	526.9	453.9	405.1	378.5	366.6	365.4
15°	814.0	810.7	786.5	689.7	559.3	436.7	369.9	333.4	316.2	305.5	305.9
17.5°	853.8	848.0	800.9	651.6	486.8	367.8	318.2	290.7	275.6	265.3	264.5
20°	905.4	896.0	812.3	606.1	419.9	324.4	283.4	260.4	248.9	239.9	238.3
22.5°	977.6	964.1	826.3	556.9	372.8	294.4	257.5	240.7	231.3	221.0	219.4
25°	1067.0	1051.0	843.5	511.4	340.4	268.6	238.7	224.7	213.6	201.8	200.5
27.5°	1192.1	1163.4	864.0	474.0	312.5	246.5	221.4	205.9	193.1	183.3	181.3
30°	1331.5	1284.3	882.1	451.5	287.0	225.9	198.9	183.3	171.4	164.4	163.2
32.5°	1463.5	1399.6	894.0	441.6	264.1	202.6	174.3	157.5	148.4	146.4	147.6
35°	1588.2	1503.7	892.7	432.2	243.6	179.2	150.1	132.9	125.9	127.1	127.1
37.5°	1731.7	1614.9	884.1	417.5	226.8	157.9	129.2	114.0	107.8	108.3	109.9
40°	1898.6	1743.2	878.8	389.6	208.3	138.2	111.9	99.6	95.1	93.5	93.1
42.5°	2076.6	1867.5	879.6	358.0	185.4	120.6	100.1	89.8	85.7	84.5	84.1
45°	2255.4	1986.0	880.8	325.2	161.2	107.0	91.4	82.8	80.4	78.7	78.7
47.5°	2423.5	2086.8	857.9	289.9	137.4	96.8	84.5	78.7	76.7	74.6	74.6
50°	2580.2	2154.1	802.5	248.9	118.5	88.6	79.1	75.0	73.0	70.9	70.9
52.5°	2701.9	2164.8	711.1	206.7	105.4	82.4	75.9	72.2	69.7	67.7	67.3
55°	2756.1	2097.9	581.1	167.3	95.1	77.1	72.6	68.9	66.0	64.0	63.6
57.5°	2742.1	1957.3	453.1	134.5	85.3	71.8	68.5	66.0	62.7	59.5	59.1
60°	2673.7	1769.0	341.6	111.9	76.3	66.0	64.0	61.9	57.4	52.5	51.7
62.5°	2555.1	1532.4	243.6	92.7	66.4	59.5	58.6	57.0	50.4	41.4	40.6
65°	*2373.9*	*1245.0*	*164.0*	*77.1*	*57.0*	*52.1*	*52.5*	*49.6*	*41.0*	*30.8*	*29.9*
67.5°	2109.0	910.4	105.0	63.2	47.6	43.5	43.9	42.2	34.9	26.2	25.0
70°	1771.5	602.8	68.5	48.0	38.1	33.6	36.1	36.5	29.5	21.3	20.5
72.5°	1298.7	355.9	48.0	35.7	27.9	23.4	29.5	30.3	23.8	16.0	15.2
75°	740.2	168.9	36.1	25.8	17.2	16.4	23.0	23.0	16.4	10.7	9.8
77.5°	310.8	70.5	25.4	16.8	9.8	9.4	15.6	14.4	8.2	4.9	4.9
80°	89.8	31.6	13.5	8.2	4.1	3.7	6.2	4.5	2.1	0.8	0.8
82.5°	35.3	13.9	5.3	3.3	1.6	1.6	0.8	0.0	0.0	0.0	0.0
85°	20.9	5.7	2.5	1.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	1.2	0.8	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)