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: P1201602

Luminaire Tested: GWC-SB1B-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:	P1201602
	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-SB1B-827-U-T3-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3861 lumens
Efficiency:	N/A
Efficacy:	97.0 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B1 - U0 - G1

Input Watts (W):	39.8
Input Voltage (V):	120.0
Input Current (Ain):	0.33
Voltage Rise (V):	NR
Power Factor:	0.996
Total Harmonic Distortion (THDi):	5.305
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

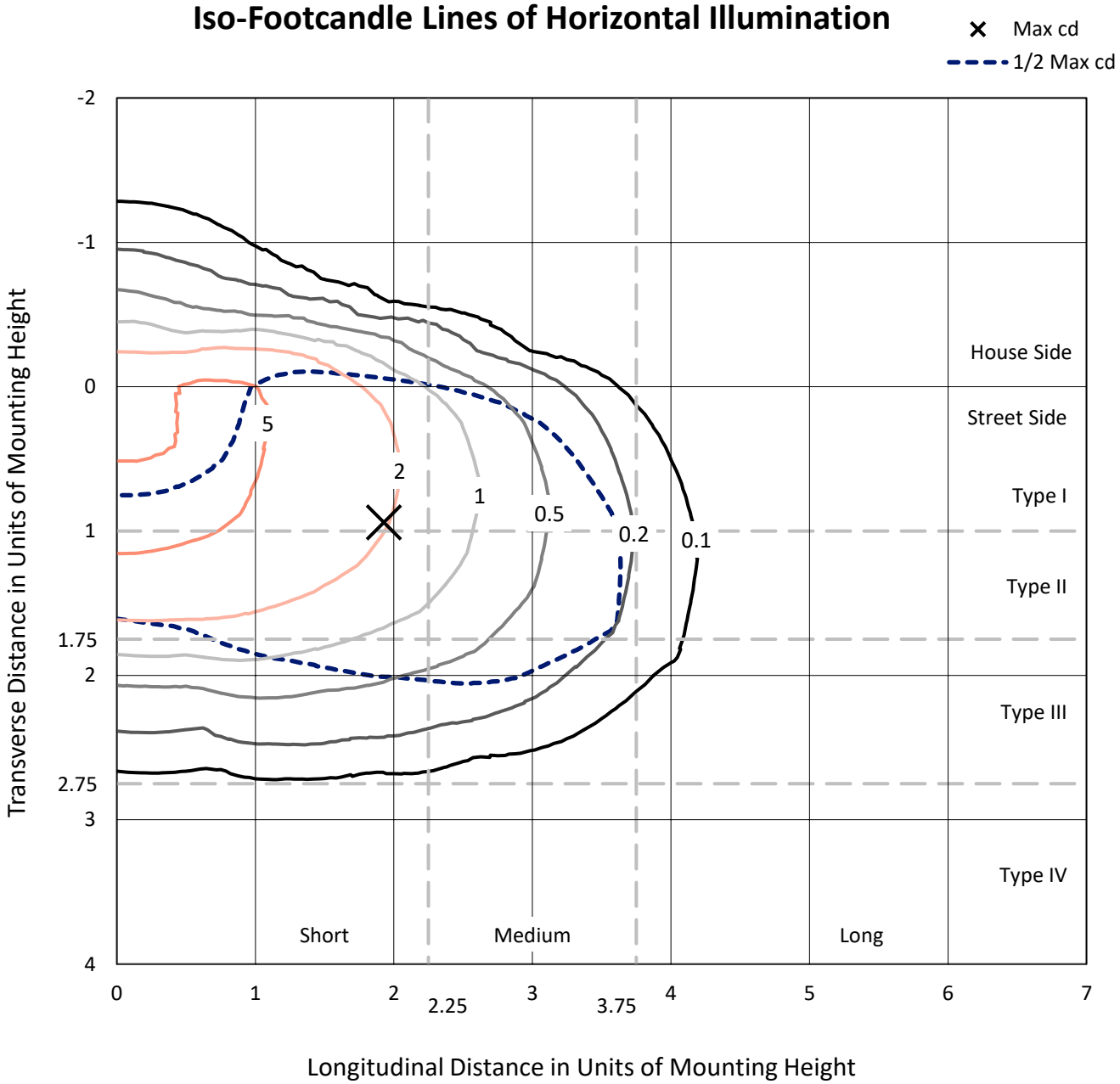


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Iso-Footcandle Lines of Horizontal Illumination



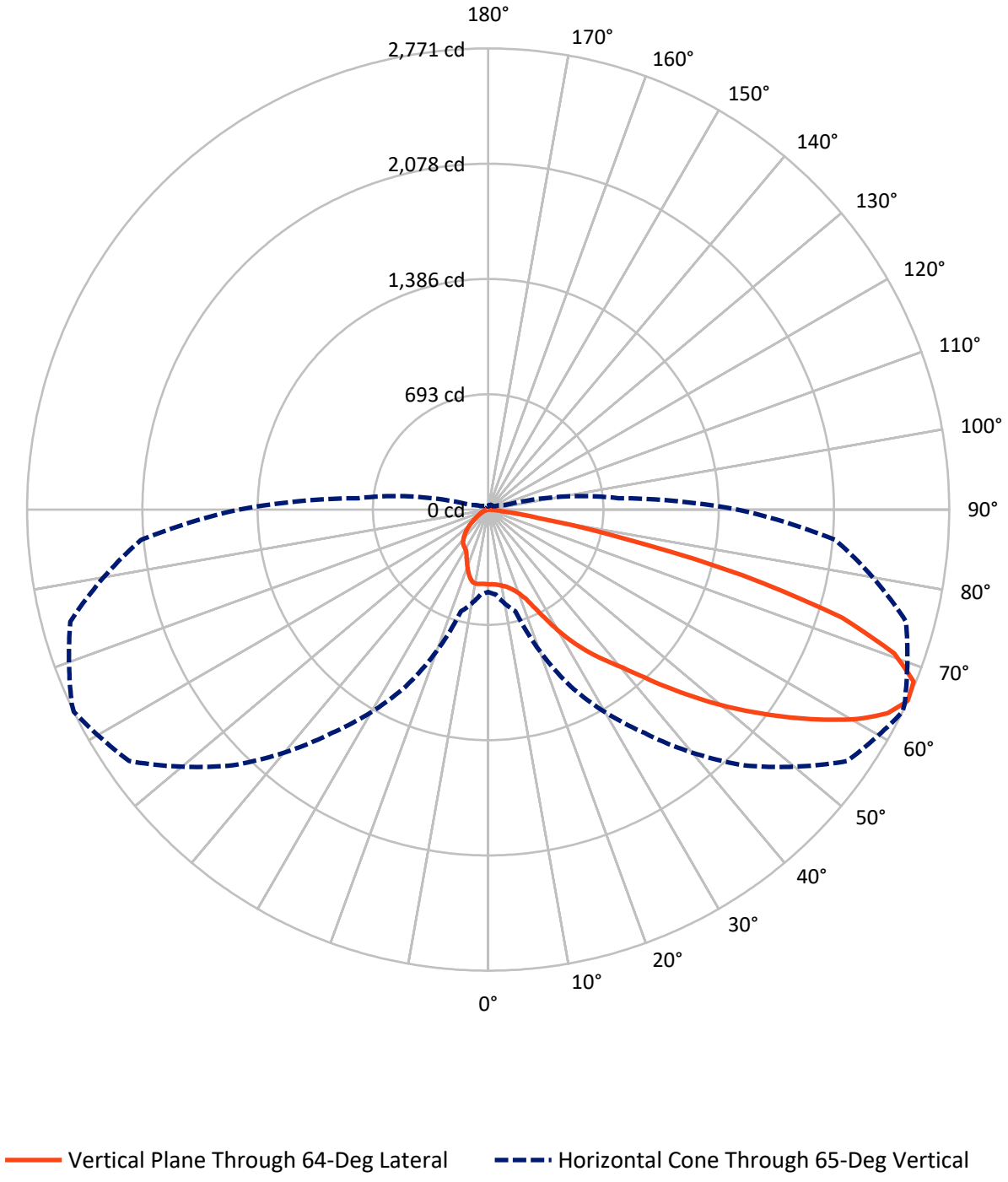
Based on 10 foot mounting height. Maximum calculated value = 7.1 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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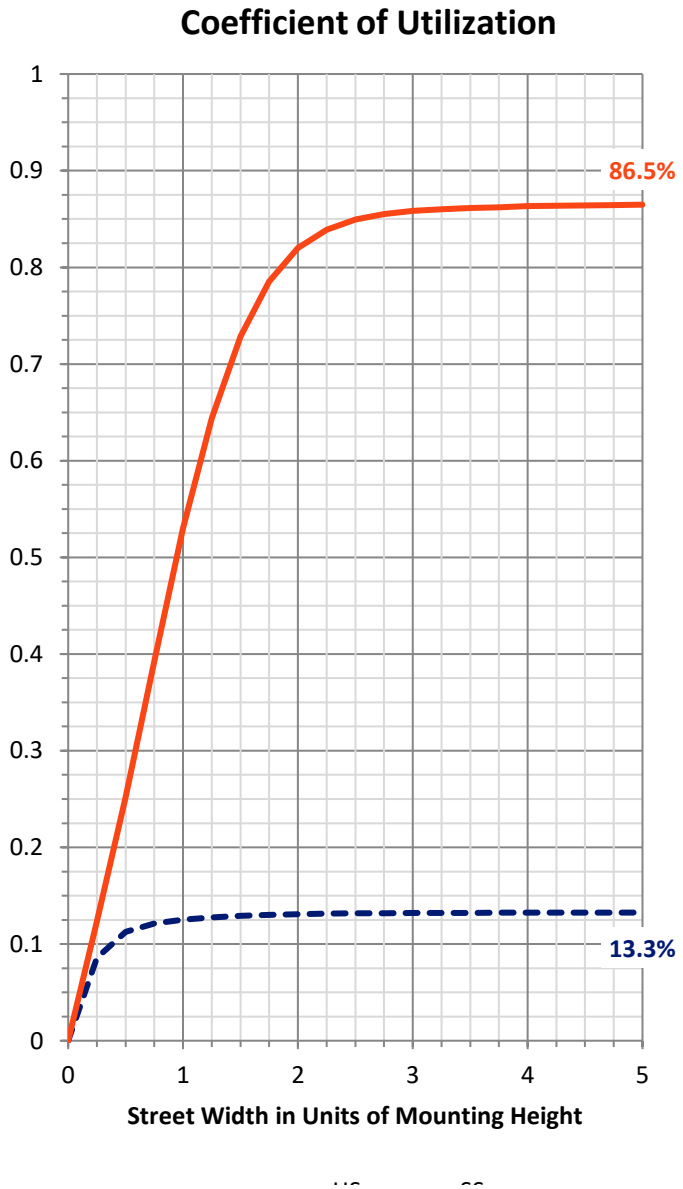
REPORT NUMBER: P1201602
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	516.3	0.0	516.3
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3344.7	0.0	3344.7
	% Fixture	86.6	0.0	86.6
Total	Lumens	3861.0	0.0	3861.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	1.1
10°-20°	112.4	2.9
20°-30°	212.9	5.5
30°-40°	430.9	11.2
40°-50°	734.0	19.0
50°-60°	998.2	25.9
60°-70°	937.4	24.3
70°-80°	375.6	9.7
80°-90°	18.2	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°	3861.0	100.0
0°-180°	3861.0	100.0



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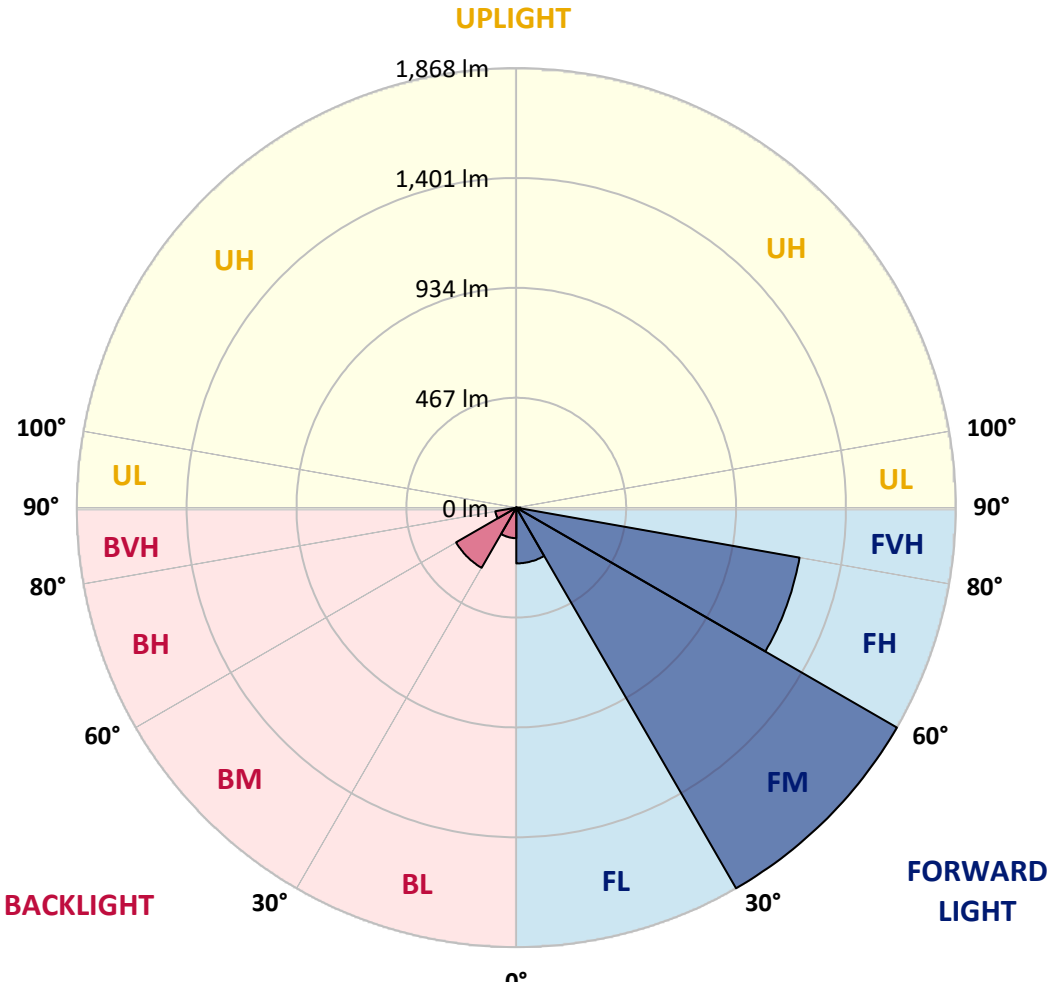
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	237.1	6.1			
FM	(30°-60°)	1867.9	48.4			
FH	(60°-80°)	1222.3	31.7			G1/1800
FVH	(80°-90°)	17.3	0.4			G1/100
BL	(0°-30°)	129.6	3.4	B1/500		
BM	(30°-60°)	295.2	7.6	B1/1000		
BH	(60°-80°)	90.6	2.3	B0/110		G0/110
BVH	(80°-90°)	0.9	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-G1
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	449.1	449.1	449.1	449.1	449.1	449.1	449.1	*449.1*	449.1	449.1	449.1
2.5°	447.5	450.6	449.9	449.1	448.8	449.3	449.6	*449.3*	449.3	449.3	449.6
5°	439.0	441.6	441.6	443.4	446.0	449.1	451.4	*451.9*	452.4	453.2	453.0
7.5°	422.7	424.7	426.3	432.3	438.7	447.0	454.0	*457.6*	458.1	461.0	462.0
10°	411.5	414.1	416.7	422.9	432.3	444.7	456.6	*465.4*	466.7	473.4	476.5
12.5°	411.0	413.6	417.0	423.7	434.6	447.8	462.3	*475.0*	477.3	487.1	493.6
15°	416.5	419.6	422.7	431.0	442.6	458.7	474.2	*490.0*	492.3	506.3	513.3
17.5°	427.6	431.7	434.1	442.3	454.8	472.6	493.1	*511.2*	513.3	529.6	538.4
20°	449.6	454.5	455.3	462.0	474.2	493.3	517.7	*540.2*	542.8	561.4	571.2
22.5°	495.1	502.1	495.9	499.3	510.2	529.3	555.7	*584.2*	587.8	609.0	617.8
25°	575.4	585.2	569.2	563.5	568.1	588.1	621.2	*657.2*	661.3	678.4	682.8
27.5°	733.0	720.3	696.0	672.2	658.2	669.6	706.9	*751.4*	756.6	773.1	768.0
30°	906.2	895.0	862.2	809.4	776.2	774.4	808.9	*858.5*	864.5	880.3	864.5
32.5°	1079.6	1069.0	1033.3	968.3	910.8	882.4	906.2	*961.3*	964.4	974.5	951.2
35°	1250.2	1239.3	1203.6	1137.1	1066.4	1001.7	997.0	*1059.1*	1060.2	1070.8	1036.1
37.5°	1421.8	1412.7	1374.7	1309.4	1239.8	1150.5	1107.3	*1151.8*	1153.1	1163.5	1127.5
40°	1544.2	1548.1	1521.9	1471.5	1411.7	1314.1	1231.0	*1250.4*	1242.7	1260.0	1238.5
42.5°	1649.3	1657.0	1634.3	1608.9	1574.2	1488.3	1384.2	*1380.9*	1368.4	1377.8	1355.5
45°	1740.1	1746.6	1726.2	1720.2	1719.4	1659.1	1551.7	*1531.5*	1514.2	1512.4	1485.7
47.5°	1773.5	1785.9	1794.7	1814.7	1853.5	1828.1	1724.9	*1693.5*	1674.1	1659.9	1617.7
50°	1786.2	1799.4	1829.4	1887.4	1979.3	1990.2	1897.2	*1862.0*	1838.2	1812.3	1750.2
52.5°	1769.1	1792.7	1833.1	1930.6	2063.9	2120.1	2062.6	*2031.8*	2004.7	1962.5	1870.3
55°	1668.4	1692.0	1774.6	1930.1	2106.1	2211.2	2219.0	*2205.3*	2174.7	2108.2	1967.4
57.5°	1456.2	1491.1	1621.8	1864.4	2105.3	2289.6	2372.2	*2382.0*	2347.9	2252.6	2043.7
60°	1162.2	1209.5	1369.0	1718.6	2040.4	2332.1	2506.5	*2555.7*	2519.5	2395.0	2105.6
62.5°	810.9	865.8	1016.7	1490.4	1891.8	2301.5	2604.6	*2695.5*	2668.0	2522.3	2129.4
65°	*494.6*	*512.2*	*633.9*	*1172.8*	*1639.2*	*2173.7*	*2634.9*	*2771.1*	*2762.0*	*2600.2*	*2094.2*
67.5°	329.5	344.2	379.2	804.2	1272.4	1918.2	2562.4	*2757.9*	2760.4	2587.5	1965.3
70°	198.5	211.2	234.0	467.7	824.6	1518.3	2338.0	*2589.6*	2604.6	2418.0	1721.0
72.5°	81.8	90.3	111.0	212.0	427.1	963.6	1861.8	*2223.4*	2258.3	2033.1	1320.8
75°	46.3	50.7	65.2	106.4	185.3	449.1	1127.7	*1578.4*	1629.9	1401.3	794.6
77.5°	30.8	32.9	42.2	68.8	104.3	153.2	481.9	*822.3*	920.7	765.4	344.0
80°	20.7	22.5	29.0	46.1	67.8	65.7	153.5	*304.6*	374.8	263.0	83.9
82.5°	14.0	14.2	20.7	30.3	43.0	31.8	45.3	*94.7*	119.1	76.1	31.8
85°	8.0	7.8	15.3	17.6	19.2	13.2	13.7	*28.5*	37.3	32.1	18.1
87.5°	1.0	1.6	6.0	4.7	2.6	2.8	2.8	*4.9*	7.2	7.8	3.9
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°	449.1	449.1	449.1	449.1	449.1	449.1	449.1	449.1	449.1	449.1	449.1
2.5°	449.6	449.3	448.6	447.8	446.0	444.9	445.5	444.9	444.7	444.9	446.0
5°	453.0	452.2	450.1	447.5	443.9	439.5	436.7	432.5	428.6	426.3	426.8
7.5°	462.0	461.2	458.4	451.1	439.5	421.1	404.3	389.5	378.4	371.9	372.2
10°	476.5	475.2	470.8	454.8	424.2	384.1	350.7	323.0	304.9	296.4	295.6
12.5°	493.6	492.0	484.3	451.4	395.2	332.6	286.5	255.7	238.9	231.4	230.6
15°	513.8	511.7	496.4	435.4	353.0	275.7	233.5	210.4	199.6	192.8	193.1
17.5°	538.9	535.3	505.5	411.3	307.2	232.2	200.9	183.5	173.9	167.5	166.9
20°	571.5	565.5	512.7	382.6	265.0	204.7	178.9	164.4	157.1	151.4	150.4
22.5°	617.1	608.5	521.5	351.5	235.3	185.8	162.5	151.9	146.0	139.5	138.5
25°	673.5	663.4	532.4	322.8	214.8	169.5	150.6	141.8	134.9	127.3	126.6
27.5°	752.4	734.3	545.4	299.2	197.2	155.6	139.8	129.9	121.9	115.7	114.4
30°	840.4	810.7	556.7	285.0	181.2	142.6	125.5	115.7	108.2	103.8	103.0
32.5°	923.8	883.4	564.3	278.8	166.7	127.9	110.0	99.4	93.7	92.4	93.2
35°	1002.5	949.1	563.5	272.8	153.7	113.1	94.7	83.9	79.5	80.2	80.2
37.5°	1093.0	1019.3	558.0	263.5	143.1	99.7	81.5	72.0	68.1	68.3	69.4
40°	1198.4	1100.3	554.7	245.9	131.5	87.2	70.7	62.9	60.0	59.0	58.8
42.5°	1310.7	1178.7	555.2	226.0	117.0	76.1	63.2	56.7	54.1	53.3	53.1
45°	1423.6	1253.5	556.0	205.3	101.7	67.6	57.7	52.3	50.7	49.7	49.7
47.5°	1529.7	1317.2	541.5	183.0	86.7	61.1	53.3	49.7	48.4	47.1	47.1
50°	1628.6	1359.6	506.5	157.1	74.8	55.9	50.0	47.4	46.1	44.8	44.8
52.5°	1705.4	1366.4	448.8	130.5	66.5	52.0	47.9	45.6	44.0	42.7	42.4
55°	1739.6	1324.2	366.8	105.6	60.0	48.7	45.8	43.5	41.7	40.4	40.1
57.5°	1730.8	1235.4	286.0	84.9	53.8	45.3	43.2	41.7	39.6	37.5	37.3
60°	1687.6	1116.6	215.6	70.7	48.1	41.7	40.4	39.1	36.2	33.1	32.6
62.5°	1612.8	967.3	153.7	58.5	41.9	37.5	37.0	36.0	31.8	26.1	25.6
65°	*1498.4*	*785.8*	*103.5*	*48.7*	*36.0*	*32.9*	*33.1*	*31.3*	*25.9*	*19.4*	*18.9*
67.5°	1331.2	574.6	66.3	39.9	30.0	27.4	27.7	26.7	22.0	16.6	15.8
70°	1118.2	380.5	43.2	30.3	24.1	21.2	22.8	23.0	18.6	13.5	12.9
72.5°	819.7	224.7	30.3	22.5	17.6	14.8	18.6	19.2	15.0	10.1	9.6
75°	467.2	106.6	22.8	16.3	10.9	10.4	14.5	14.5	10.4	6.7	6.2
77.5°	196.2	44.5	16.0	10.6	6.2	6.0	9.8	9.1	5.2	3.1	3.1
80°	56.7	19.9	8.5	5.2	2.6	2.3	3.9	2.8	1.3	0.5	0.5
82.5°	22.3	8.8	3.4	2.1	1.0	1.0	0.5	0.0	0.0	0.0	0.0
85°	13.2	3.6	1.6	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	0.8	0.5	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)