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: P1201226

Luminaire Tested: GWC-SB1A-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:	P1201226
	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-SB1A-827-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2863 lumens
Efficiency:	N/A
Efficacy:	92.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	30.9
Input Voltage (V):	120.0
Input Current (Ain):	0.263
Voltage Rise (V):	NR
Power Factor:	0.995
Total Harmonic Distortion (THDi):	6.356
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

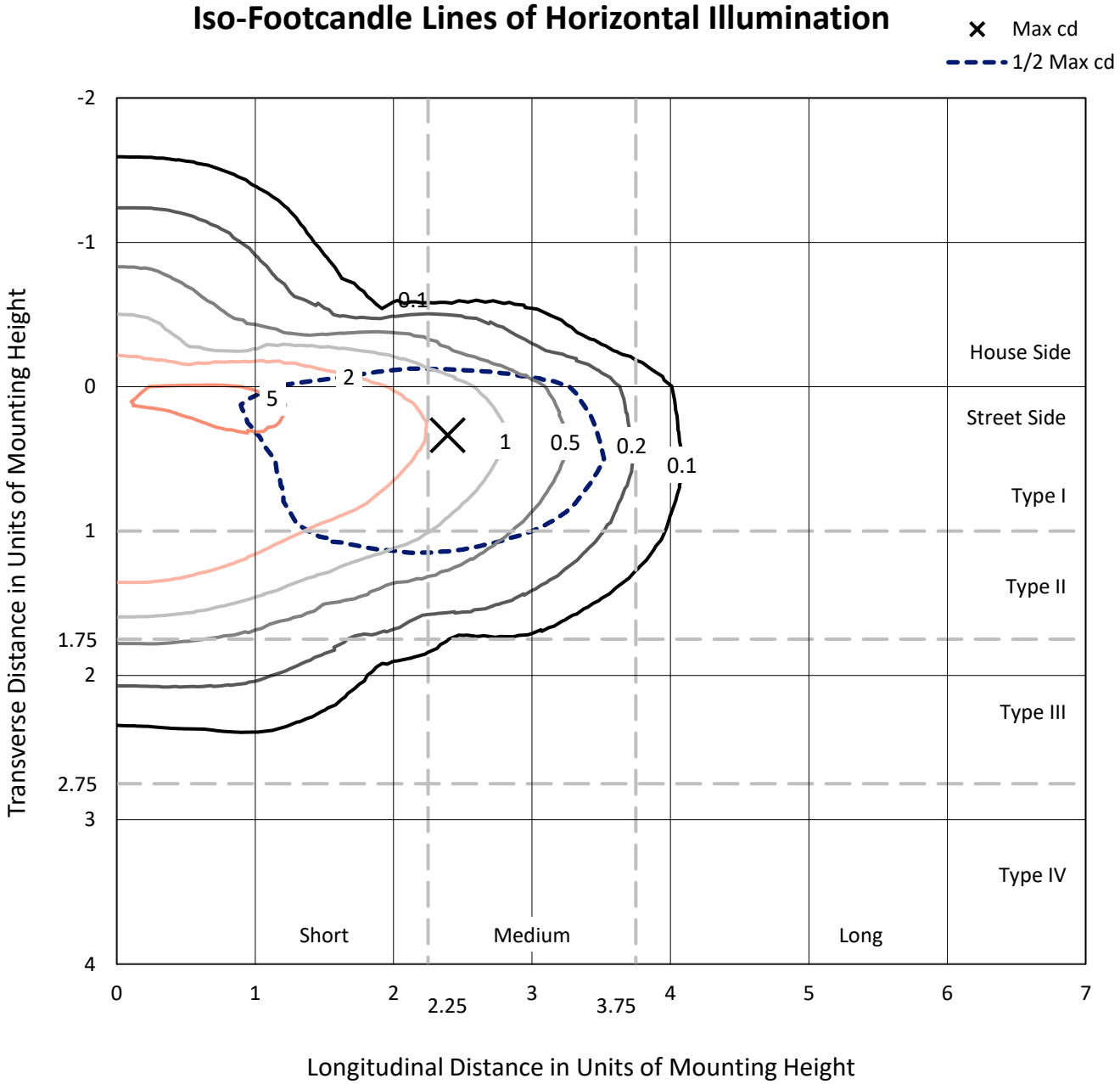


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Iso-Footcandle Lines of Horizontal Illumination



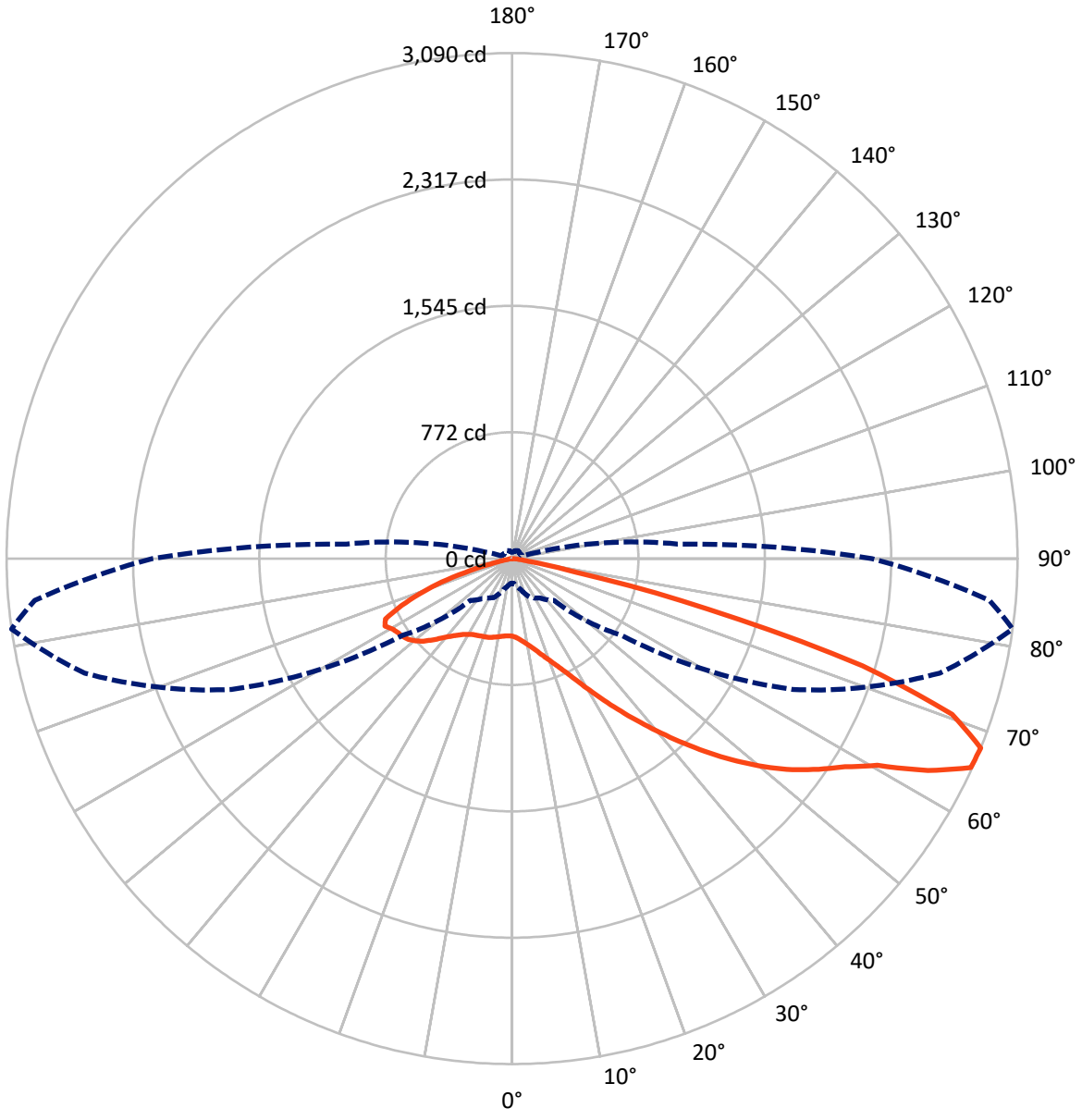
Based on 10 foot mounting height. Maximum calculated value = 6.3 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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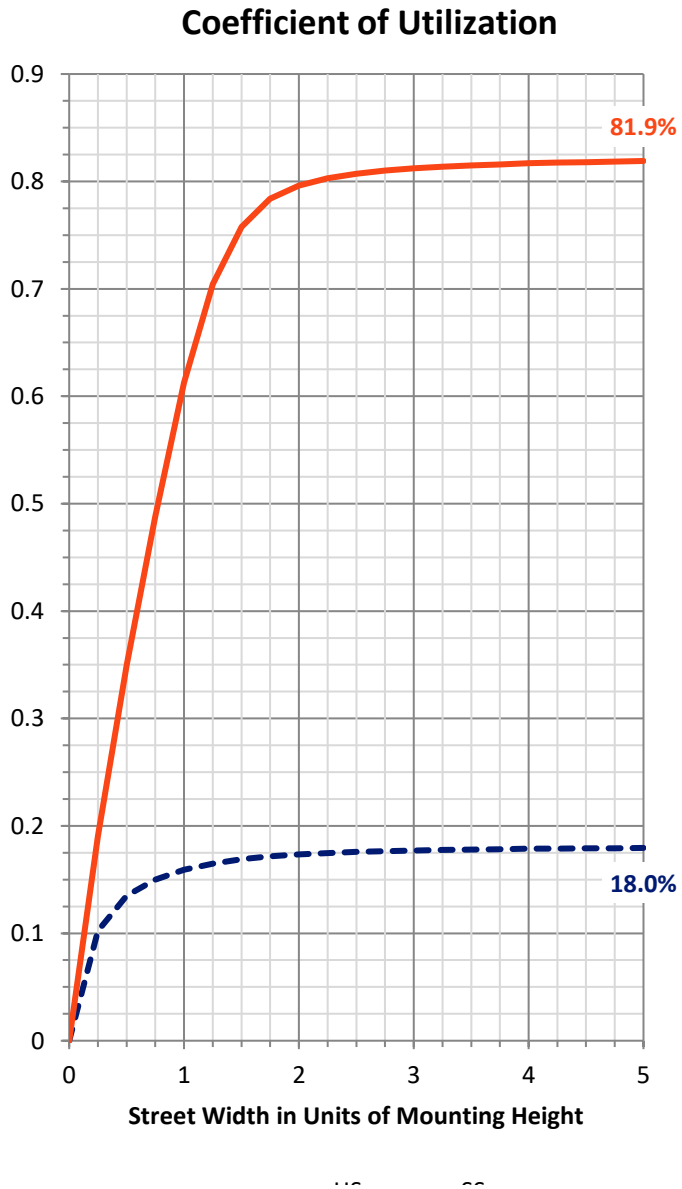
REPORT NUMBER: P1201226
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	518.6	0.0	518.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2344.4	0.0	2344.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	2863.0	0.0	2863.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.3	1.5
10°-20°	109.8	3.8
20°-30°	175.9	6.1
30°-40°	311.0	10.9
40°-50°	544.9	19.0
50°-60°	726.8	25.4
60°-70°	676.6	23.6
70°-80°	259.7	9.1
80°-90°	16.1	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°	2863.0	100.0
0°-180°	2863.0	100.0



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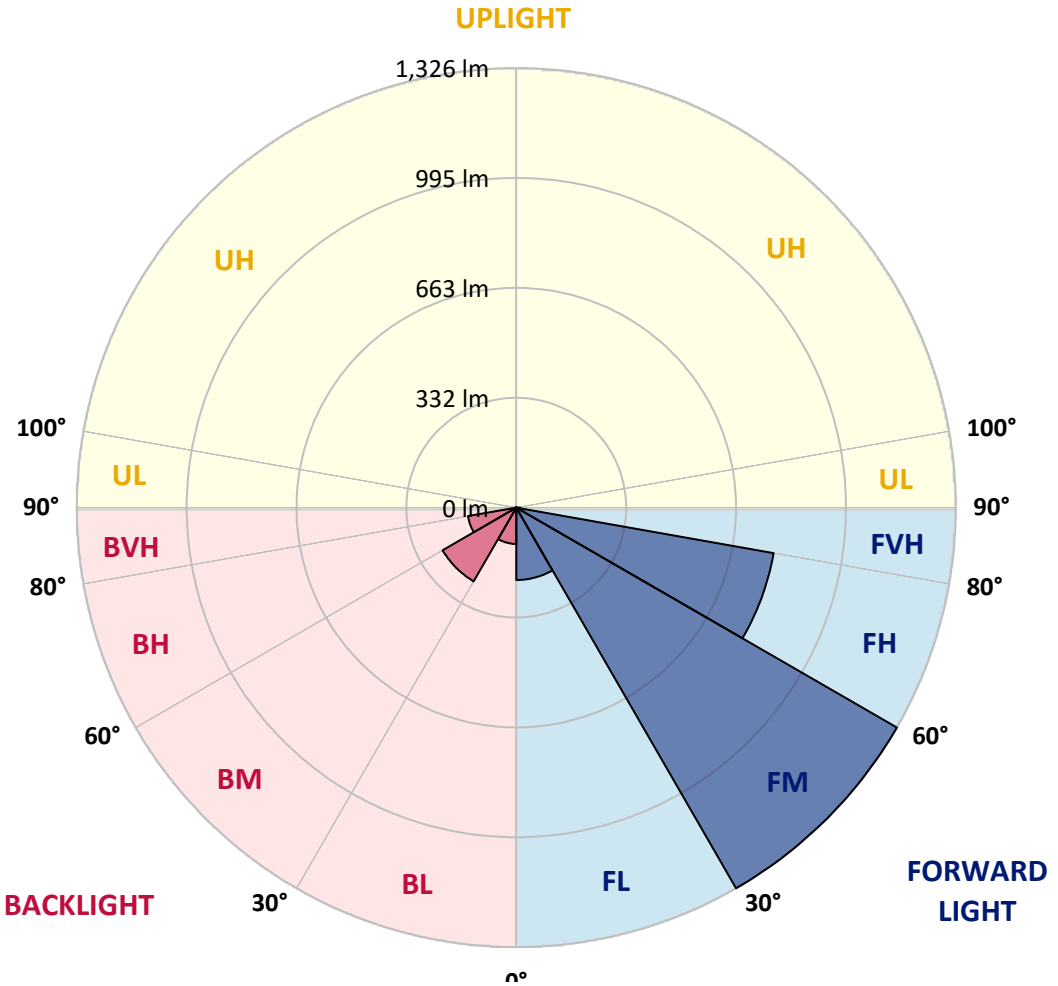
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	218.4	7.6			
FM	(30°-60°)	1326.0	46.3			
FH	(60°-80°)	788.2	27.5			G1/1800
FVH	(80°-90°)	11.7	0.4			G1/100
BL	(0°-30°)	109.5	3.8	B0/110		
BM	(30°-60°)	256.7	9.0	B1/1000		
BH	(60°-80°)	148.0	5.2	B1/500		G1/500
BVH	(80°-90°)	4.4	0.2			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	*474.3*	474.3
2.5°	501.3	504.2	502.5	501.7	500.3	498.2	496.6	491.4	486.1	*482.5*	481.3
5°	511.4	514.3	514.1	514.9	515.9	516.6	516.1	510.4	502.7	*496.8*	493.3
7.5°	502.7	506.0	508.7	512.8	520.1	527.7	531.4	530.2	522.3	*514.1*	509.8
10°	478.2	481.7	488.1	497.8	513.1	529.5	543.4	549.7	544.8	*535.7*	529.8
12.5°	433.3	436.8	449.4	470.4	495.9	524.6	551.0	568.1	569.3	*560.3*	553.2
15°	382.8	386.3	399.7	426.1	465.0	511.0	555.1	587.5	598.4	*590.6*	582.1
17.5°	351.4	354.5	364.6	385.9	426.5	483.8	553.7	608.1	633.0	*626.8*	616.7
20°	342.0	344.6	349.4	364.2	398.0	455.5	544.2	627.5	670.3	*666.8*	655.5
22.5°	352.1	354.5	356.0	362.6	383.8	437.0	532.2	647.2	713.6	*714.0*	700.2
25°	375.4	377.8	376.2	380.3	389.6	431.2	527.7	670.5	768.0	*772.6*	756.9
27.5°	413.7	413.9	410.0	409.8	411.2	439.9	532.4	695.5	836.7	*845.1*	825.8
30°	490.6	487.5	472.4	456.2	448.7	465.9	545.6	725.0	917.7	*932.7*	908.4
32.5°	609.1	604.6	577.0	538.0	498.8	507.7	569.3	758.6	1005.9	*1033.1*	1003.4
35°	737.7	736.5	707.6	649.7	581.3	567.3	607.9	802.7	1102.2	*1145.5*	1110.2
37.5°	857.3	856.7	840.2	772.0	688.7	650.3	669.7	860.4	1205.2	*1267.9*	1226.3
40°	966.5	968.4	951.9	890.9	807.0	756.9	753.8	931.7	1319.8	*1401.3*	1351.8
42.5°	1060.9	1063.0	1046.3	1001.2	923.9	874.8	857.1	1019.1	1431.8	*1544.5*	1486.0
45°	1125.1	1137.8	1135.4	1099.3	1043.8	992.9	981.2	1128.8	1559.4	*1696.4*	1627.8
47.5°	1143.2	1154.9	1173.5	1178.4	1144.6	1094.5	1108.6	1260.9	1688.4	*1848.6*	1770.4
50°	1098.5	1109.4	1147.9	1199.3	1222.8	1207.3	1232.4	1402.5	1820.5	*2000.3*	1910.4
52.5°	1010.2	1021.4	1070.0	1151.2	1247.1	1295.7	1356.7	1542.0	1948.5	*2143.9*	2042.9
55°	882.6	894.4	956.8	1048.8	1200.7	1332.2	1460.4	1681.4	2065.8	*2273.2*	2162.5
57.5°	709.1	717.7	782.7	911.3	1084.0	1295.9	1536.9	1833.5	2176.3	*2400.2*	2281.0
60°	462.1	469.8	545.2	688.7	890.7	1174.7	1552.1	2003.2	2323.1	*2565.3*	2440.8
62.5°	307.3	312.5	357.2	462.6	627.2	942.0	1462.9	2138.6	2538.3	*2852.6*	2714.7
65°	210.9	216.0	260.8	334.1	405.2	623.1	1206.3	2120.7	2733.3	*3080.8*	2917.8
67.5°	*150.5*	*154.8*	*192.7*	*262.0*	*293.3*	*362.0*	*817.7*	*1891.4*	*2705.2*	*3089.5*	*2928.7*
70°	107.8	110.3	141.6	204.1	233.1	217.5	454.7	1446.6	2368.6	*2852.8*	2705.6
72.5°	75.4	76.3	98.3	155.4	187.8	158.7	216.4	964.5	1791.5	*2239.2*	2097.6
75°	51.1	52.2	66.2	114.0	150.7	121.2	114.6	517.2	1051.7	*1239.5*	1111.0
77.5°	31.3	31.7	42.7	77.9	112.8	92.3	73.8	219.1	406.9	*399.5*	340.5
80°	17.7	17.7	27.2	48.4	76.9	59.6	51.7	93.2	128.8	*113.2*	99.8
82.5°	9.9	10.1	19.8	30.1	50.9	35.2	28.4	43.1	55.7	*49.3*	42.9
85°	4.1	4.5	12.2	14.2	24.3	17.5	11.5	18.1	20.6	*18.3*	13.4
87.5°	0.4	0.6	3.7	2.7	2.9	3.5	1.6	3.5	2.9	*2.9*	2.1
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°	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3	474.3
2.5°	477.4	474.3	466.5	457.4	445.4	439.7	431.8	426.5	421.9	422.4	418.2
5°	486.7	478.8	461.3	439.5	412.3	392.9	372.3	358.0	346.5	344.0	338.5
7.5°	499.4	487.1	456.4	417.0	371.0	336.2	305.1	285.1	270.9	266.3	261.8
10°	515.9	498.0	450.0	388.8	322.6	278.3	244.9	229.2	219.5	216.2	213.8
12.5°	535.1	510.6	441.5	354.3	272.7	230.0	208.8	201.0	197.9	196.9	196.2
15°	559.2	526.2	428.7	313.5	230.5	200.6	191.5	190.5	190.9	190.5	190.3
17.5°	587.9	543.4	407.9	271.5	202.0	185.5	182.2	183.0	184.1	183.9	183.5
20°	619.2	560.3	381.3	234.2	182.6	174.8	172.9	173.8	174.6	174.2	174.0
22.5°	654.9	578.4	351.9	205.1	169.6	164.9	162.8	163.0	163.0	162.2	161.8
25°	697.5	598.4	320.9	184.5	159.7	156.0	153.6	152.7	151.5	149.0	148.6
27.5°	748.5	619.6	291.3	170.1	151.9	148.4	145.5	143.5	140.4	136.3	135.8
30°	805.8	645.4	266.1	161.0	145.7	142.2	138.9	135.8	131.3	126.2	125.7
32.5°	873.2	673.0	247.8	155.0	140.2	136.5	132.5	128.8	123.9	118.7	118.9
35°	953.6	706.4	237.0	150.9	135.8	130.9	126.6	122.4	118.7	114.2	113.8
37.5°	1040.7	741.9	233.7	148.8	133.0	125.3	120.4	117.5	117.1	114.4	114.2
40°	1136.2	783.9	236.2	147.6	129.9	120.0	114.6	114.0	115.0	110.3	110.5
42.5°	1237.2	833.8	240.3	146.1	125.5	114.6	109.5	109.5	108.6	102.0	102.0
45°	1346.4	891.3	244.5	142.6	120.4	109.2	105.3	103.9	100.4	94.0	93.8
47.5°	1456.5	949.8	247.6	136.3	114.2	104.7	101.2	97.9	92.8	87.0	86.8
50°	1561.0	1002.4	244.3	126.8	107.2	100.4	96.7	92.1	86.6	82.7	82.0
52.5°	1654.4	1048.0	230.2	115.6	99.8	95.8	92.6	87.8	83.3	79.2	78.7
55°	1735.6	1084.9	205.5	105.1	93.2	91.9	88.6	82.7	76.5	73.0	72.6
57.5°	1813.5	1112.9	174.6	96.5	87.2	87.6	82.7	77.3	71.5	67.8	67.4
60°	1917.2	1150.4	143.3	88.4	80.8	82.0	76.7	72.8	65.5	60.8	60.2
62.5°	2082.9	1208.7	113.8	78.5	73.4	73.8	71.5	66.8	58.1	52.6	52.2
65°	2214.4	1187.3	89.7	67.8	64.9	65.5	65.5	60.4	51.1	44.7	44.1
67.5°	*2199.6*	*1016.6*	*71.5*	*57.3*	*56.9*	*57.3*	*58.7*	*54.4*	*45.3*	*40.2*	*39.4*
70°	2026.2	808.6	57.3	47.6	49.5	48.4	52.6	49.7	40.8	35.7	35.0
72.5°	1653.4	582.5	43.7	39.4	37.9	39.6	47.4	44.7	34.0	28.2	27.6
75°	966.1	310.8	32.6	31.1	27.4	33.0	42.1	38.1	26.0	20.8	20.2
77.5°	314.6	108.4	23.9	22.9	20.4	26.6	35.9	32.2	21.2	16.5	15.9
80°	84.3	32.8	16.3	15.0	13.2	19.8	28.4	25.6	15.3	10.7	10.5
82.5°	33.8	13.8	9.5	8.5	7.2	13.6	22.5	20.6	11.3	6.8	6.8
85°	10.9	4.5	3.5	2.7	3.3	8.5	13.4	14.0	8.0	3.5	2.7
87.5°	1.4	0.6	0.6	0.8	0.6	1.4	4.1	3.9	2.3	0.4	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)