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: P1202354

Luminaire Tested: GWC-SB1D-827-U-T4W-HSS

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1202354
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB1D-827-U-T4W-HSS
Description:	GALLEON WALL LUMINAIRE
	(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6852 lumens
Efficiency:	N/A
Efficacy:	86.1 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	79.6
Input Voltage (V):	120.0
Input Current (Ain):	0.638
Voltage Rise (V):	NR
Power Factor:	0.997
Total Harmonic Distortion (THDi):	6.673
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

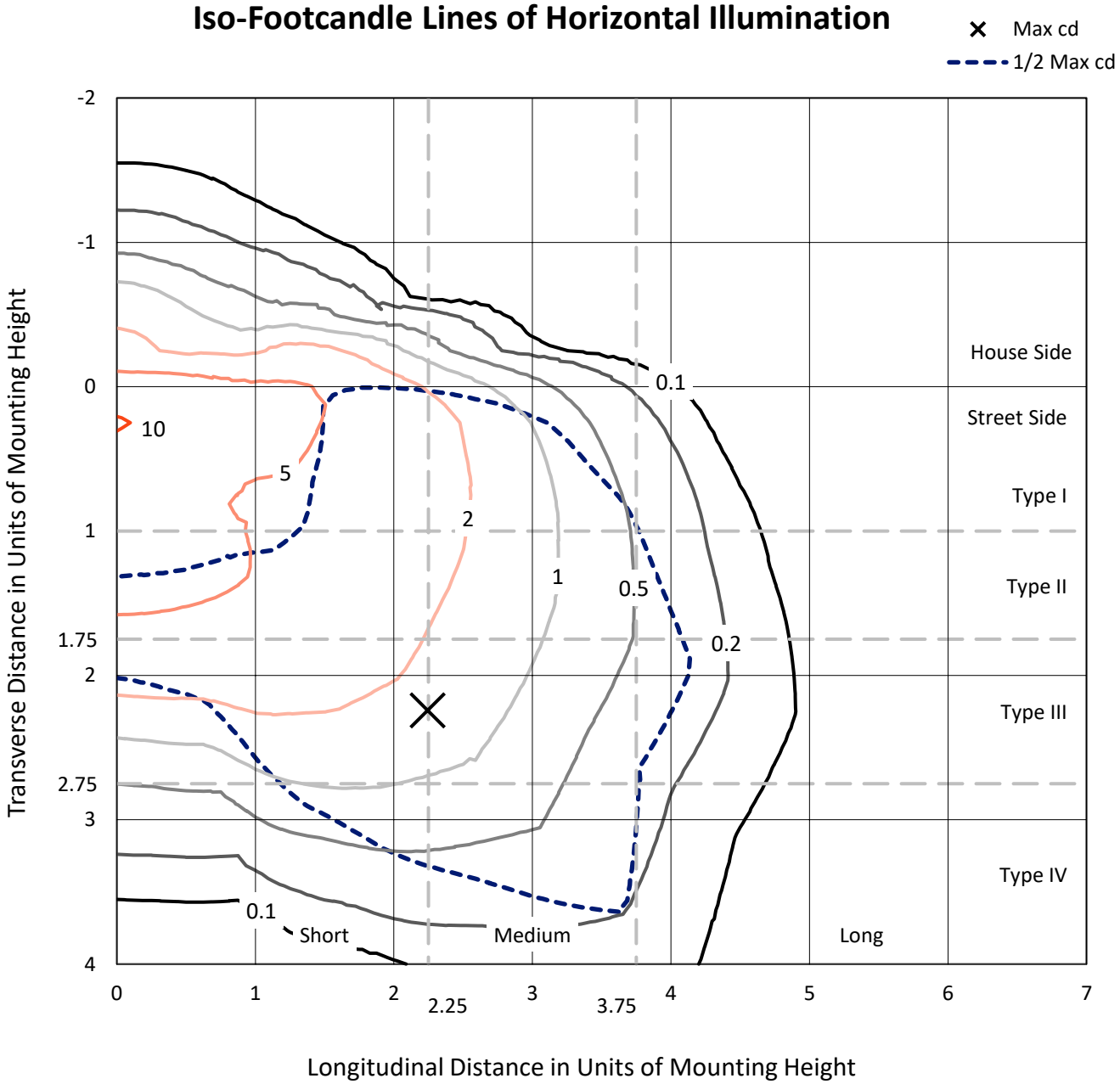


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Iso-Footcandle Lines of Horizontal Illumination



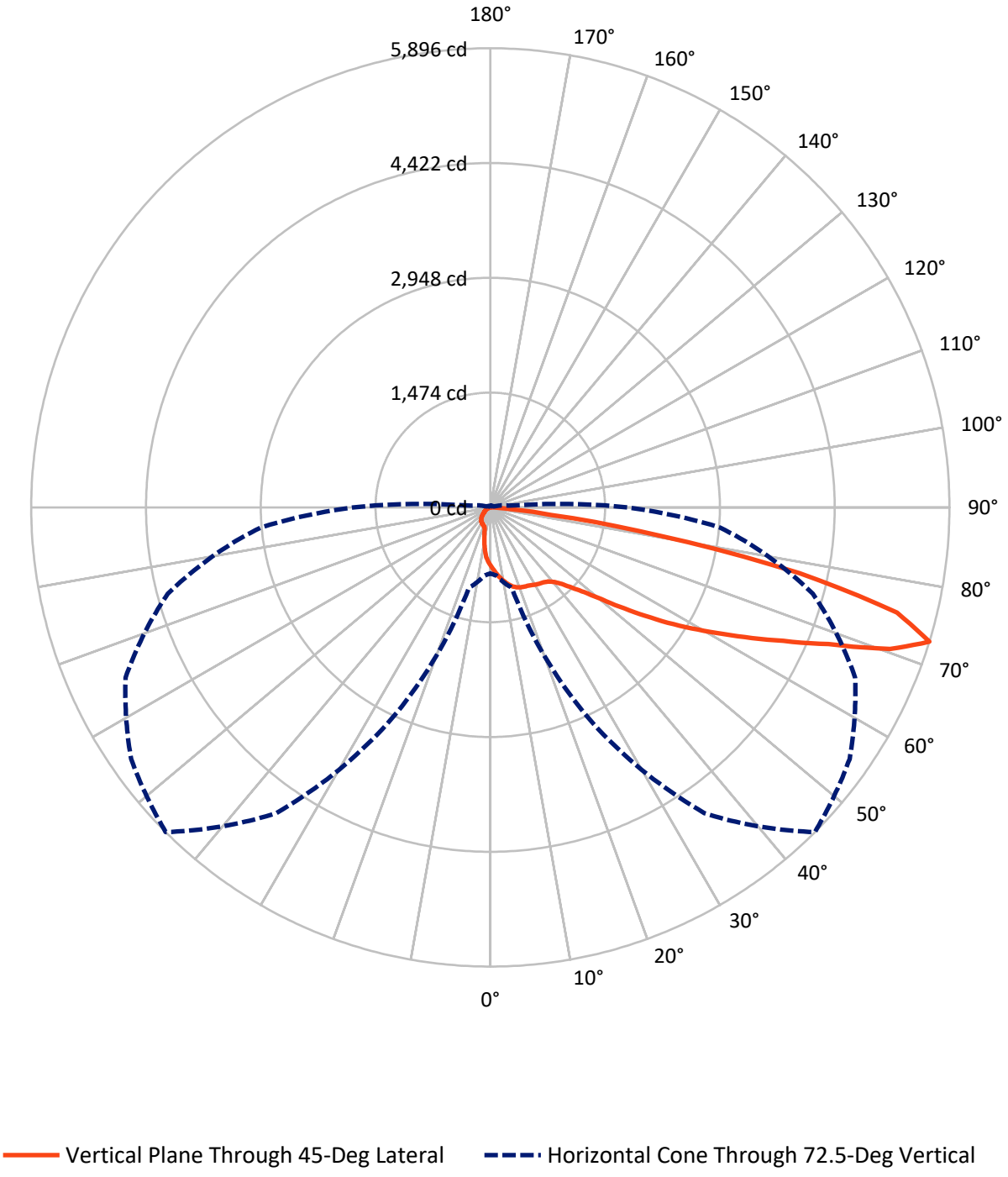
Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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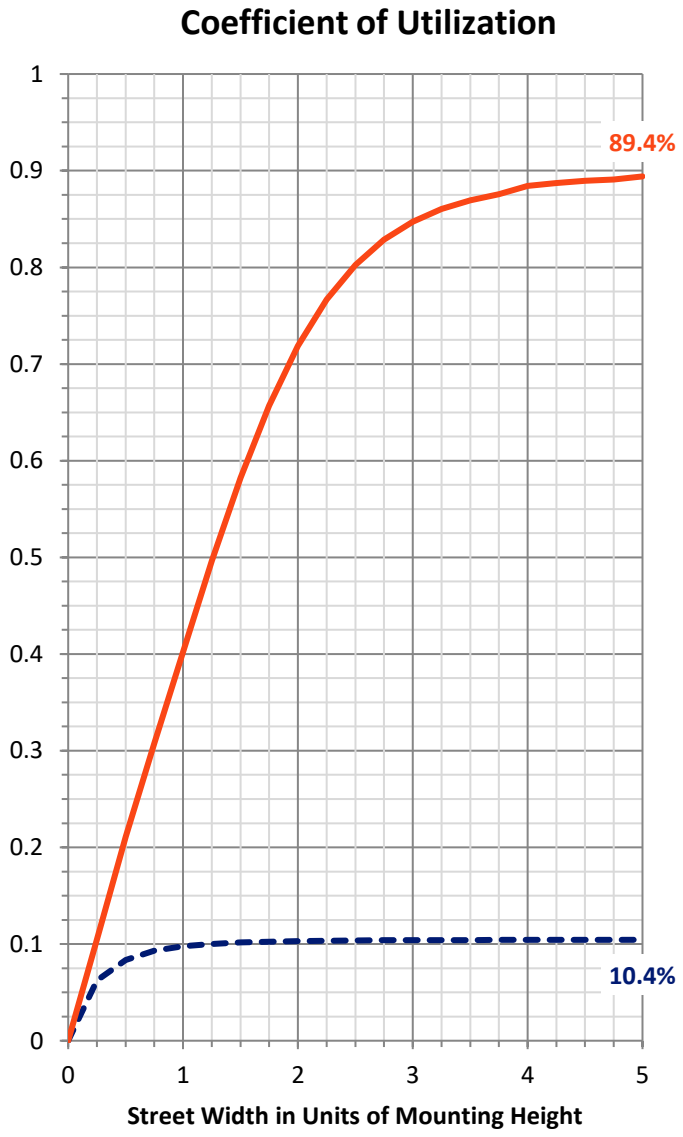
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	720.0	0.0	720.0
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	6132.0	0.0	6132.0
	% Fixture	89.5	0.0	89.5
Total	Lumens	6852.0	0.0	6852.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.7	1.0
10°-20°	206.7	3.0
20°-30°	339.4	5.0
30°-40°	481.4	7.0
40°-50°	795.7	11.6
50°-60°	1429.4	20.9
60°-70°	1984.8	29.0
70°-80°	1439.7	21.0
80°-90°	104.1	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°	6852.0	100.0
0°-180°	6852.0	100.0



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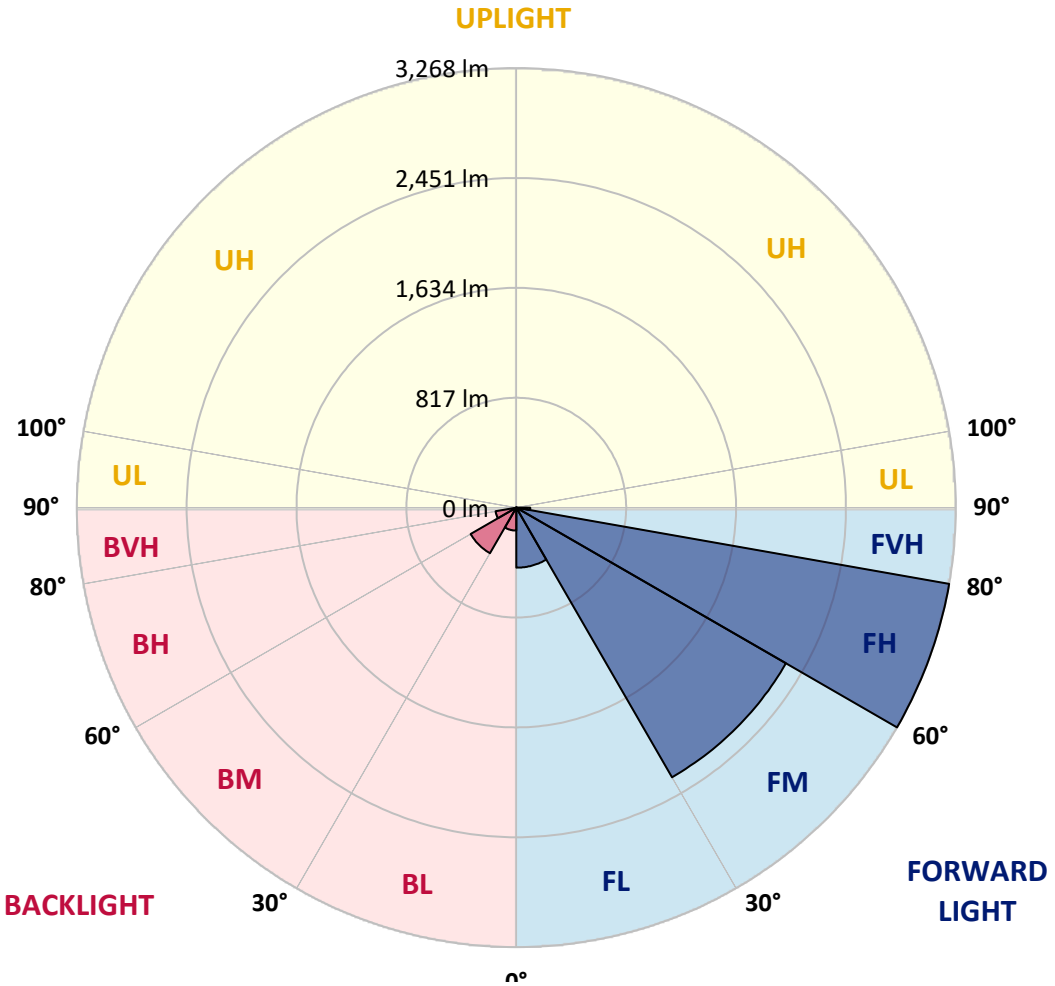
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	446.3	6.5			
FM	(30°-60°)	2315.0	33.8			
FH	(60°-80°)	3267.5	47.7			G2/5000
FVH	(80°-90°)	103.2	1.5			G2/225
BL	(0°-30°)	170.5	2.5	B1/500		
BM	(30°-60°)	391.6	5.7	B1/1000		
BH	(60°-80°)	157.0	2.3	B1/500		G1/500
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-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7
2.5°	819.9	821.3	820.3	814.7	805.4	800.2	797.4	788.1	782.0	771.2	760.0
5°	895.2	900.8	897.5	886.3	868.5	855.9	852.1	833.0	815.7	795.5	772.2
7.5°	975.1	978.0	971.9	957.4	933.5	912.0	908.7	882.1	854.5	823.6	791.8
10°	1044.4	1047.6	1038.3	1017.2	990.1	963.5	958.8	929.3	896.6	858.7	818.0
12.5°	1102.4	1105.6	1093.5	1068.2	1038.3	1010.7	1006.0	975.1	939.1	897.0	846.5
15°	1146.3	1152.4	1136.0	1108.9	1076.6	1049.0	1046.7	1016.3	981.2	934.5	880.7
17.5°	1172.0	1178.1	1162.7	1130.0	1102.4	1079.0	1076.2	1050.9	1018.2	973.3	913.9
20°	1176.3	1181.9	1165.5	1137.0	1114.1	1095.3	1093.9	1075.7	1051.8	1008.8	949.9
22.5°	1163.6	1170.6	1155.7	1132.8	1116.9	1107.0	1105.2	1094.9	1081.3	1044.8	983.6
25°	1150.5	1156.1	1144.9	1124.8	1116.4	1115.5	1116.9	1115.0	1112.2	1081.3	1022.8
27.5°	1149.6	1155.7	1143.0	1123.9	1119.2	1129.0	1130.4	1139.3	1141.6	1114.5	1060.7
30°	1157.5	1161.8	1149.6	1129.5	1127.1	1149.6	1150.1	1166.0	1169.7	1142.6	1098.1
32.5°	1174.9	1179.5	1167.4	1137.9	1134.6	1166.0	1167.4	1188.4	1194.5	1172.5	1137.4
35°	1215.5	1221.2	1207.1	1161.3	1149.6	1181.4	1185.6	1210.4	1222.6	1204.3	1178.1
37.5°	1317.0	1300.7	1281.5	1208.5	1183.7	1205.7	1212.7	1241.7	1263.2	1242.2	1226.8
40°	1569.1	1517.7	1457.8	1289.0	1243.6	1257.6	1263.2	1292.2	1321.7	1301.1	1293.6
42.5°	1947.5	1886.7	1790.3	1474.2	1333.9	1340.9	1345.1	1370.3	1412.0	1395.6	1397.5
45°	2284.7	2262.7	2164.5	1790.3	1502.7	1468.1	1473.2	1486.3	1547.6	1541.5	1553.7
47.5°	2543.8	2531.2	2455.4	2153.3	1788.0	1623.8	1638.3	1644.4	1732.8	1754.3	1787.1
50°	2743.0	2738.4	2670.5	2476.0	2160.8	1853.5	1858.6	1845.5	1977.9	2031.2	2093.4
52.5°	2931.0	2946.9	2896.9	2775.8	2558.8	2154.2	2153.3	2091.5	2270.2	2350.6	2456.8
55°	3100.8	3106.4	3111.6	3081.6	2959.1	2496.6	2487.7	2386.6	2609.3	2692.5	2807.6
57.5°	3260.3	3262.6	3308.5	3369.7	3375.8	2864.2	2847.8	2726.7	2979.7	3039.1	3109.7
60°	3367.4	3378.2	3475.0	3645.2	3719.6	3243.5	3234.6	3111.1	3356.7	3384.2	3371.1
62.5°	3213.1	3278.5	3522.7	3860.4	4044.2	3663.9	3659.7	3543.7	3753.3	3730.8	3618.6
65°	2600.9	2711.7	3141.0	4005.8	4362.7	4133.5	4139.6	4016.1	4160.6	4087.7	3819.7
67.5°	1819.3	1936.3	2444.2	4017.5	4718.6	4684.9	4720.0	4526.4	4593.2	4429.5	3867.4
70°	1258.1	1318.4	1649.1	3765.9	4995.9	5444.4	5443.5	5153.1	5023.5	4585.3	3624.2
72.5°	846.1	877.4	1071.0	2987.6	4792.0	5895.8	5868.6	5632.0	5168.5	4288.3	2961.0
75°	356.9	379.8	495.8	1679.0	3791.1	5393.9	5320.5	4977.2	4592.3	3376.8	1847.4
77.5°	113.2	123.0	195.5	601.0	2088.3	4054.5	3976.8	3108.3	3077.9	1694.0	675.4
80°	53.8	62.7	109.9	241.3	821.7	2205.2	2194.4	1410.1	1324.0	457.4	135.6
82.5°	23.4	27.6	60.8	129.1	367.6	786.7	802.6	479.9	397.1	173.5	41.6
85°	7.5	9.8	28.1	59.4	155.3	195.5	193.2	114.1	160.0	94.5	14.5
87.5°	0.0	0.0	9.4	13.6	15.9	11.2	12.6	9.8	44.4	26.2	5.1
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°	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7	750.7
2.5°	754.4	746.9	733.8	721.7	710.9	700.1	693.6	684.2	683.3	683.3	685.6
5°	759.5	747.4	724.0	699.2	670.7	643.5	616.4	590.2	581.8	575.7	578.5
7.5°	774.5	755.3	718.4	671.1	616.9	557.5	515.9	471.0	453.7	444.3	445.7
10°	796.0	769.8	713.7	630.9	543.0	462.1	402.7	354.0	335.3	327.4	327.4
12.5°	819.9	787.6	705.3	580.9	462.1	365.3	307.3	284.8	282.0	282.0	282.0
15°	848.4	809.1	690.8	521.9	377.4	289.0	268.5	269.4	272.2	274.1	274.1
17.5°	877.9	832.0	667.9	456.0	302.6	260.0	260.5	261.9	264.2	266.1	266.1
20°	909.7	854.9	637.5	385.8	259.6	251.6	253.0	254.4	256.3	257.2	257.7
22.5°	943.8	876.5	601.5	317.1	245.1	244.6	245.1	246.5	248.8	248.8	249.7
25°	980.3	900.3	560.3	267.1	237.6	237.6	238.5	239.5	241.3	241.3	241.8
27.5°	1017.7	922.3	516.8	240.9	231.0	230.6	230.6	232.0	232.9	233.4	233.8
30°	1058.9	948.0	473.3	235.3	225.9	223.6	222.2	223.1	224.0	224.5	225.4
32.5°	1101.0	972.8	434.5	237.6	220.8	216.5	211.9	210.9	210.9	212.8	214.2
35°	1147.7	999.9	404.6	245.5	217.9	206.3	198.8	194.6	195.0	197.8	199.2
37.5°	1203.8	1032.7	382.6	252.6	216.1	194.6	182.4	177.3	174.0	177.3	176.3
40°	1277.3	1080.8	366.7	258.2	213.7	181.0	164.6	156.2	150.1	152.0	151.1
42.5°	1385.3	1156.6	360.6	258.6	208.6	165.1	146.4	135.2	126.3	126.7	124.9
45°	1536.8	1276.3	391.9	252.6	197.4	147.8	127.2	112.2	106.6	105.2	103.4
47.5°	1744.5	1450.8	464.4	239.9	181.0	131.0	108.5	95.9	91.7	89.3	87.9
50°	2022.8	1674.8	544.9	225.9	164.6	115.1	93.1	85.1	82.3	80.0	79.5
52.5°	2345.5	1902.1	610.8	211.9	148.3	101.0	83.2	78.6	76.2	74.4	73.9
55°	2641.5	2058.8	607.1	196.9	132.4	89.8	76.2	73.4	70.6	68.8	67.8
57.5°	2825.8	2080.8	500.4	180.5	114.1	80.9	69.7	67.8	64.5	62.2	61.7
60°	2910.5	1955.4	350.8	159.0	95.9	72.5	62.7	61.7	57.5	54.3	53.3
62.5°	2925.9	1722.5	233.8	132.4	80.0	64.5	55.7	54.3	48.6	43.0	40.2
65°	2863.2	1389.5	161.8	103.4	68.3	56.1	47.7	44.9	38.8	33.2	31.3
67.5°	2664.9	975.6	112.7	74.4	58.0	44.4	37.9	36.9	32.3	27.6	26.2
70°	2301.5	556.1	75.3	55.7	45.8	30.4	29.9	30.9	26.2	22.4	20.6
72.5°	*1764.6*	*254.4*	*46.8*	*40.7*	*31.3*	*20.6*	*23.9*	*24.3*	*20.1*	*16.8*	*15.0*
75°	1038.8	109.0	29.5	26.2	15.9	13.6	17.3	17.8	13.6	10.8	9.4
77.5°	353.6	41.2	18.7	15.4	8.0	7.5	11.2	11.2	7.5	4.2	3.3
80°	80.4	15.4	9.4	6.1	3.7	3.3	3.7	3.3	1.9	0.5	0.0
82.5°	22.9	6.1	3.7	2.3	1.4	1.4	0.5	0.0	0.0	0.0	0.0
85°	6.5	2.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	0.5	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


HS
SS

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(END OF REPORT)