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: P1202722

Luminaire Tested: GWC-SB2A-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:	P1202722
	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-SB2A-827-U-T2-HSS
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5695 lumens
Efficiency:	N/A
Efficacy:	99.4 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B1 - U0 - G1

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

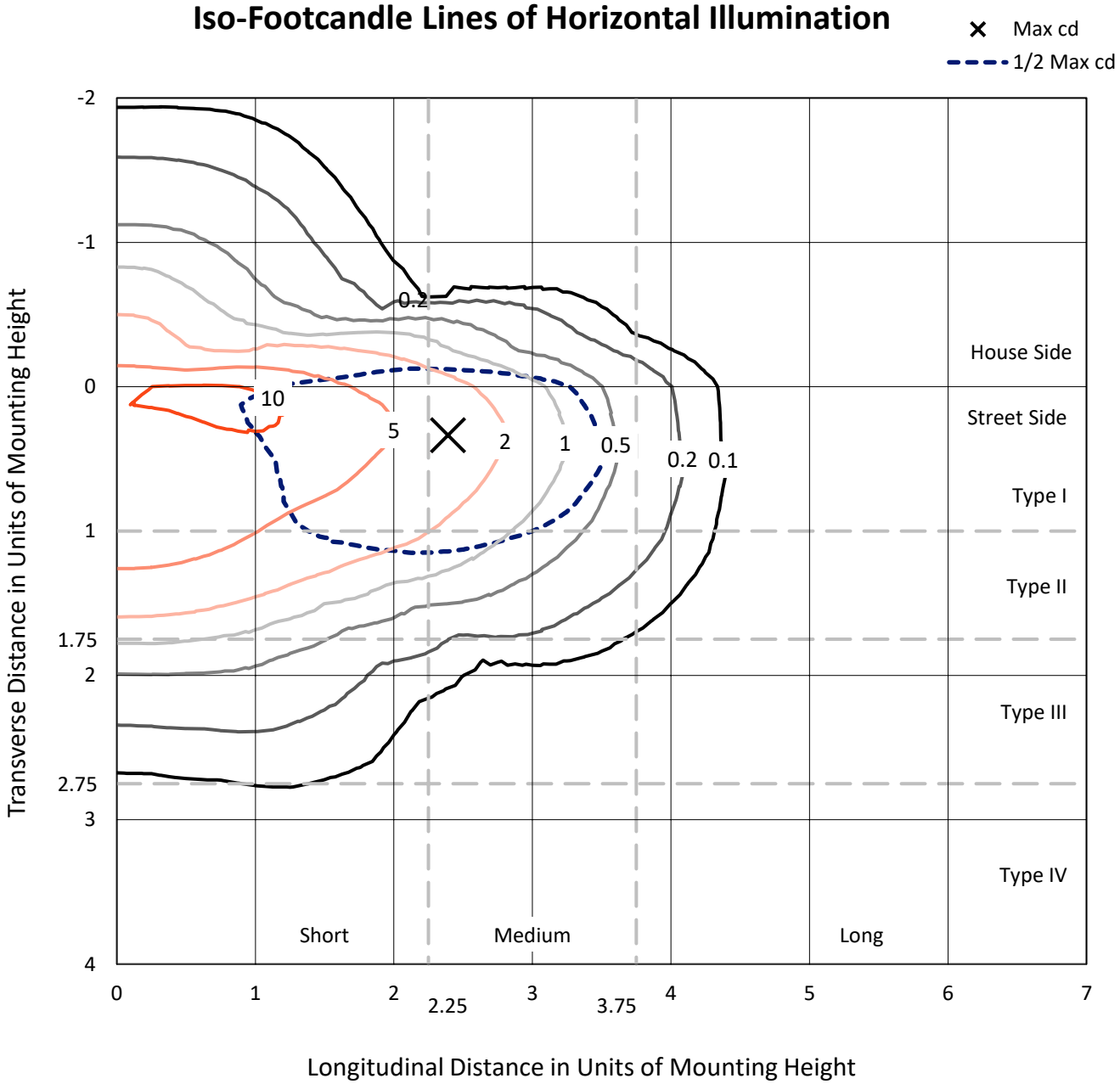


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Iso-Footcandle Lines of Horizontal Illumination



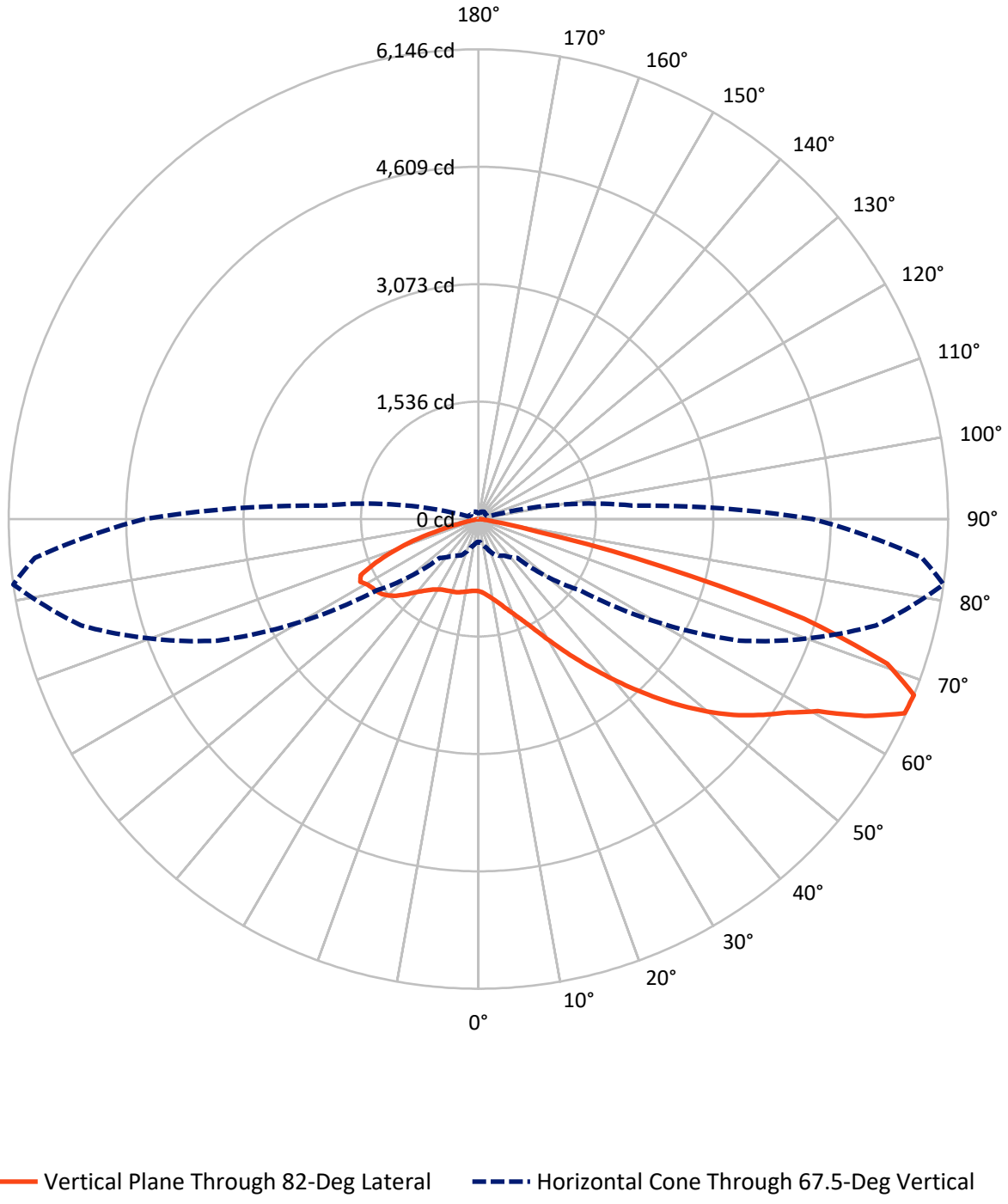
Based on 10 foot mounting height. Maximum calculated value = 12.5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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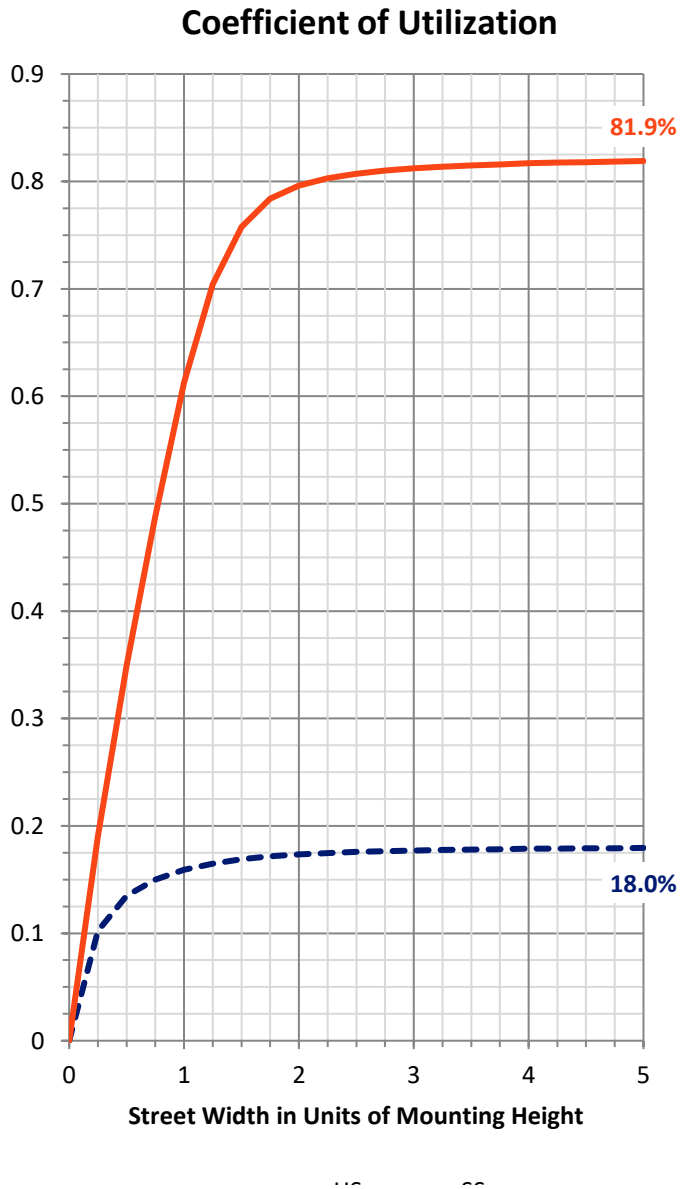
REPORT NUMBER: P1202722
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1031.6	0.0	1031.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4663.4	0.0	4663.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	5695.0	0.0	5695.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.5
10°-20°	218.4	3.8
20°-30°	349.9	6.1
30°-40°	618.6	10.9
40°-50°	1083.9	19.0
50°-60°	1445.7	25.4
60°-70°	1345.8	23.6
70°-80°	516.5	9.1
80°-90°	32.1	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°	5695.0	100.0
0°-180°	5695.0	100.0



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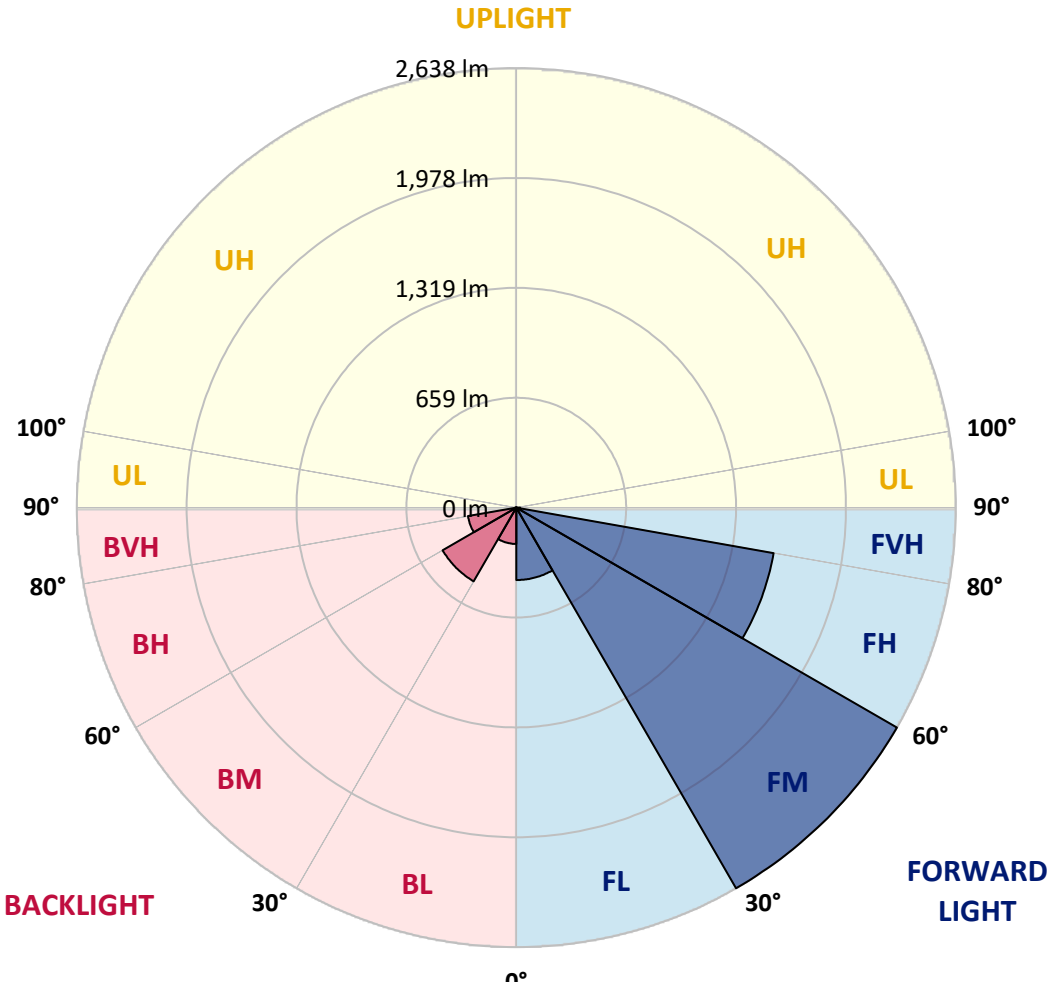
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	434.5	7.6			
FM	(30°-60°)	2637.7	46.3			
FH	(60°-80°)	1567.9	27.5			G1/1800
FVH	(80°-90°)	23.3	0.4			G1/100
BL	(0°-30°)	217.9	3.8	B1/500		
BM	(30°-60°)	510.5	9.0	B1/1000		
BH	(60°-80°)	294.4	5.2	B1/500		G1/500
BVH	(80°-90°)	8.8	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°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	*943.5*	943.5
2.5°	997.2	1002.9	999.6	998.0	995.1	991.0	987.8	977.5	966.8	*959.9*	957.4
5°	1017.3	1023.0	1022.6	1024.2	1026.3	1027.5	1026.7	1015.2	1000.1	*988.2*	981.2
7.5°	1000.1	1006.6	1011.9	1020.1	1034.5	1049.7	1057.0	1054.6	1039.0	*1022.6*	1014.0
10°	951.3	958.2	970.9	990.2	1020.6	1053.4	1080.8	1093.5	1083.7	*1065.7*	1053.8
12.5°	861.9	868.8	893.9	935.7	986.5	1043.5	1096.0	1130.0	1132.5	*1114.4*	1100.5
15°	761.4	768.4	795.0	847.5	925.0	1016.5	1104.2	1168.6	1190.3	*1174.7*	1157.9
17.5°	699.1	705.2	725.3	767.6	848.3	962.3	1101.3	1209.6	1259.2	*1246.9*	1226.8
20°	680.2	685.6	695.0	724.5	791.8	906.2	1082.5	1248.1	1333.4	*1326.4*	1303.9
22.5°	700.3	705.2	708.1	721.2	763.5	869.3	1058.7	1287.5	1419.5	*1420.3*	1392.9
25°	746.7	751.6	748.3	756.5	774.9	857.8	1049.7	1333.8	1527.8	*1536.8*	1505.6
27.5°	822.9	823.3	815.5	815.1	818.0	875.0	1059.1	1383.4	1664.3	*1681.1*	1642.6
30°	975.9	969.7	939.8	907.4	892.6	926.7	1085.3	1442.1	1825.4	*1855.4*	1807.0
32.5°	1211.6	1202.6	1147.7	1070.2	992.3	1009.9	1132.5	1508.9	2000.9	*2055.0*	1996.0
35°	1467.5	1465.0	1407.6	1292.4	1156.3	1128.4	1209.2	1596.6	2192.4	*2278.5*	2208.4
37.5°	1705.3	1704.1	1671.3	1535.5	1369.9	1293.6	1332.2	1711.4	2397.4	*2522.1*	2439.2
40°	1922.6	1926.3	1893.5	1772.1	1605.2	1505.6	1499.5	1853.3	2625.4	*2787.4*	2688.9
42.5°	2110.4	2114.5	2081.3	1991.5	1837.7	1740.1	1704.9	2027.2	2848.0	*3072.3*	2955.9
45°	2237.9	2263.3	2258.4	2186.7	2076.4	1975.1	1951.7	2245.3	3101.8	*3374.5*	3238.0
47.5°	2274.0	2297.4	2334.3	2344.1	2276.9	2177.2	2205.1	2508.1	3358.5	*3677.1*	3521.7
50°	2185.0	2206.8	2283.4	2385.5	2432.3	2401.5	2451.5	2789.8	3621.3	*3978.9*	3800.1
52.5°	2009.5	2031.7	2128.4	2290.0	2480.7	2577.4	2698.8	3067.4	3876.0	*4264.7*	4063.8
55°	1755.7	1779.1	1903.3	2086.2	2388.4	2650.0	2905.0	3344.6	4109.3	*4521.8*	4301.6
57.5°	1410.5	1427.7	1556.9	1812.7	2156.3	2577.8	3057.2	3647.2	4329.0	*4774.3*	4537.3
60°	919.3	934.4	1084.5	1369.9	1771.7	2336.7	3087.5	3984.6	4621.0	*5102.8*	4855.1
62.5°	611.3	621.6	710.6	920.1	1247.7	1873.8	2910.0	4254.0	5049.1	*5674.3*	5400.0
65°	419.5	429.7	518.7	664.7	806.1	1239.5	2399.5	4218.3	5436.9	*6128.2*	5803.9
67.5°	*299.3*	*307.9*	*383.4*	*521.1*	*583.5*	*720.0*	*1626.6*	*3762.4*	*5381.2*	*6145.5*	*5825.6*
70°	214.4	219.4	281.7	405.9	463.7	432.6	904.5	2877.6	4711.6	*5674.8*	5382.0
72.5°	150.1	151.7	195.6	309.2	373.5	315.7	430.5	1918.5	3563.5	*4454.1*	4172.4
75°	101.7	103.7	131.6	226.7	299.7	241.1	228.0	1028.8	2092.0	*2465.5*	2210.0
77.5°	62.3	63.1	84.9	155.0	224.3	183.7	146.8	435.9	809.4	*794.6*	677.4
80°	35.3	35.3	54.1	96.4	152.9	118.5	102.9	185.3	256.3	*225.1*	198.5
82.5°	19.7	20.1	39.4	59.9	101.3	70.1	56.6	85.7	110.7	*98.0*	85.3
85°	8.2	9.0	24.2	28.3	48.4	34.9	23.0	36.1	41.0	*36.5*	26.7
87.5°	0.8	1.2	7.4	5.3	5.7	7.0	3.3	7.0	5.7	*5.7*	4.1
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°	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5	943.5
2.5°	949.6	943.5	927.9	909.8	886.1	874.6	859.0	848.3	839.3	840.1	831.9
5°	968.1	952.5	917.6	874.2	820.1	781.5	740.5	712.2	689.3	684.3	673.3
7.5°	993.5	968.9	907.8	829.5	738.0	668.8	606.8	567.1	538.8	529.8	520.7
10°	1026.3	990.6	895.1	773.3	641.7	553.5	487.1	455.9	436.7	430.1	425.2
12.5°	1064.4	1015.6	878.3	704.8	542.5	457.6	415.4	399.8	393.6	391.6	390.3
15°	1112.4	1046.8	852.9	623.6	458.4	399.0	380.9	378.9	379.7	378.9	378.5
17.5°	1169.4	1080.8	811.4	540.0	401.8	369.0	362.5	364.1	366.2	365.7	364.9
20°	1231.7	1114.4	758.5	465.8	363.3	347.7	344.0	345.7	347.3	346.5	346.1
22.5°	1302.7	1150.5	699.9	408.0	337.5	328.0	323.9	324.3	324.3	322.7	321.9
25°	1387.5	1190.3	638.4	367.0	317.8	310.4	305.5	303.8	301.4	296.4	295.6
27.5°	1488.8	1232.5	579.4	338.3	302.2	295.2	289.5	285.4	279.2	271.0	270.2
30°	1602.8	1283.8	529.3	320.2	289.9	282.9	276.4	270.2	261.2	250.9	250.1
32.5°	1736.9	1338.7	492.9	308.3	278.8	271.4	263.6	256.3	246.4	236.2	236.6
35°	1896.8	1405.2	471.5	300.1	270.2	260.4	251.8	243.6	236.2	227.2	226.3
37.5°	2070.2	1475.7	465.0	296.0	264.5	249.3	239.5	233.7	232.9	227.6	227.2
40°	2260.1	1559.3	469.9	293.6	258.3	238.6	228.0	226.7	228.8	219.4	219.8
42.5°	2461.0	1658.6	478.1	290.7	249.7	228.0	217.7	217.7	216.1	203.0	203.0
45°	2678.3	1773.0	486.3	283.7	239.5	217.3	209.5	206.7	199.7	187.0	186.6
47.5°	2897.2	1889.4	492.4	271.0	227.2	208.3	201.3	194.8	184.5	173.0	172.6
50°	3105.1	1994.0	485.9	252.2	213.2	199.7	192.3	183.3	172.2	164.4	163.2
52.5°	3290.9	2084.6	458.0	230.0	198.5	190.7	184.1	174.7	165.7	157.4	156.6
55°	3452.4	2158.0	408.8	209.1	185.3	182.9	176.3	164.4	152.1	145.1	144.3
57.5°	3607.4	2213.7	347.3	191.9	173.4	174.3	164.4	153.8	142.3	134.9	134.1
60°	3813.6	2288.4	285.0	175.9	160.7	163.2	152.5	144.7	130.4	121.0	119.7
62.5°	4143.3	2404.4	226.3	156.2	146.0	146.8	142.3	132.8	115.6	104.6	103.7
65°	4404.9	2361.7	178.4	134.9	129.2	130.4	130.4	120.1	101.7	89.0	87.7
67.5°	*4375.4*	*2022.2*	*142.3*	*114.0*	*113.2*	*114.0*	*116.9*	*108.2*	*90.2*	*80.0*	*78.3*
70°	4030.6	1608.5	114.0	94.7	98.4	96.4	104.6	98.8	81.2	70.9	69.7
72.5°	3288.8	1158.7	86.9	78.3	75.4	78.7	94.3	89.0	67.7	56.2	54.9
75°	1921.8	618.3	64.8	61.9	54.5	65.6	83.6	75.9	51.7	41.4	40.2
77.5°	625.7	215.7	47.6	45.5	40.6	52.9	71.3	64.0	42.2	32.8	31.6
80°	167.7	65.2	32.4	29.9	26.2	39.4	56.6	50.8	30.3	21.3	20.9
82.5°	67.2	27.5	18.9	16.8	14.4	27.1	44.7	41.0	22.6	13.5	13.5
85°	21.7	9.0	7.0	5.3	6.6	16.8	26.7	27.9	16.0	7.0	5.3
87.5°	2.9	1.2	1.2	1.6	1.2	2.9	8.2	7.8	4.5	0.8	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)