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: P1203835

Luminaire Tested: GWC-SB2D-827-U-SL2

Issue Date: 10/30/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2024
Report Number:	P1203835
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab:	INNOVATION CENTER
Issue Date:	3/16/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	McGRAW-EDISON
Catalog Number:	GWC-SB2D-827-U-SL2
Description:	GALLEON WALL LUMINAIRE
	(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	17585 lumens
Efficiency:	N/A
Efficacy:	119.1 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	147.6
Input Voltage (V):	120.0
Input Current (Ain):	1.234
Voltage Rise (V):	NR
Power Factor:	0.999
Total Harmonic Distortion (THDi):	3.108
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	28.75 FT

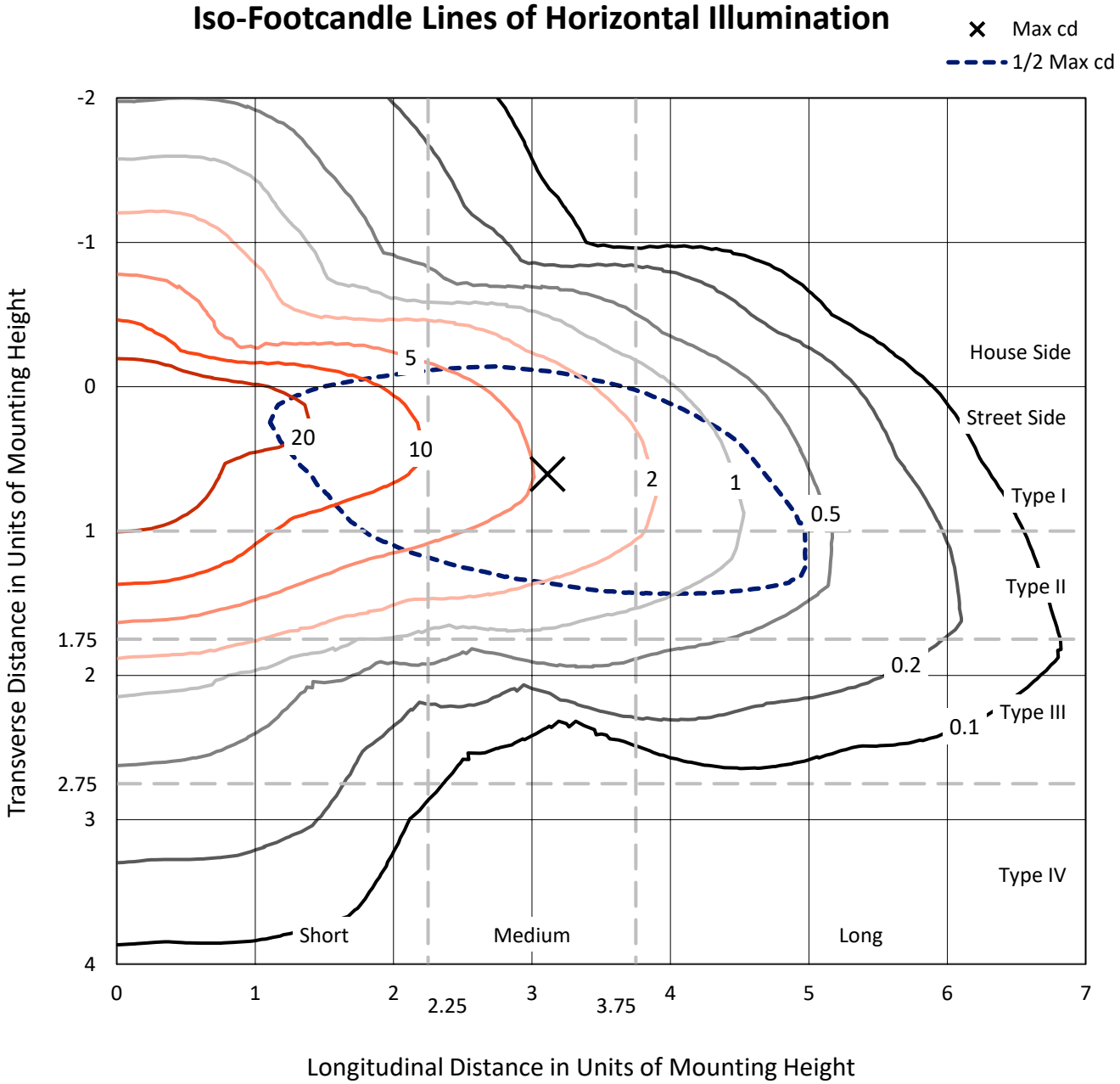


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Iso-Footcandle Lines of Horizontal Illumination



Longitudinal Distance in Units of Mounting Height

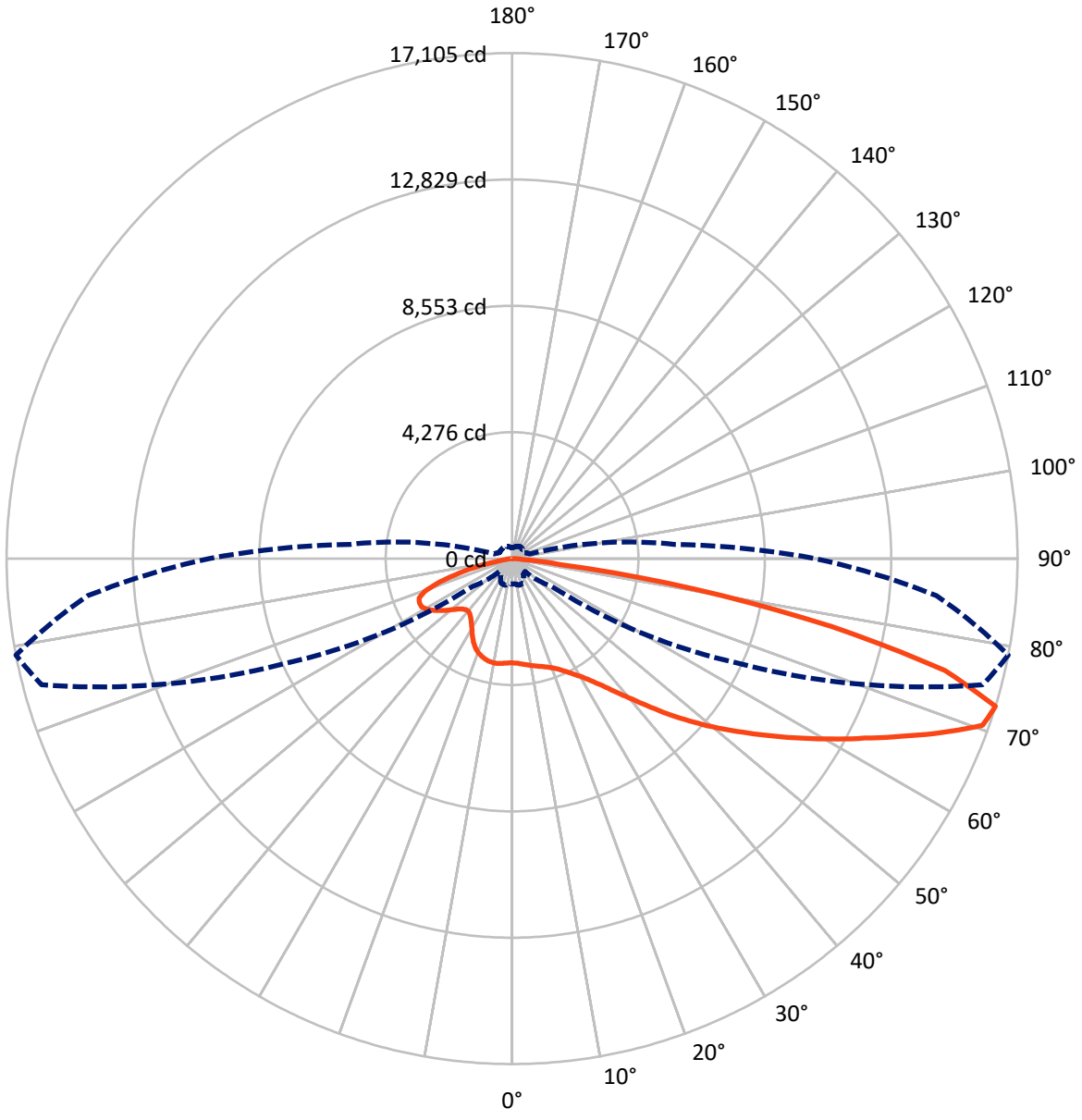
Based on 10 foot mounting height. Maximum calculated value = 35.5 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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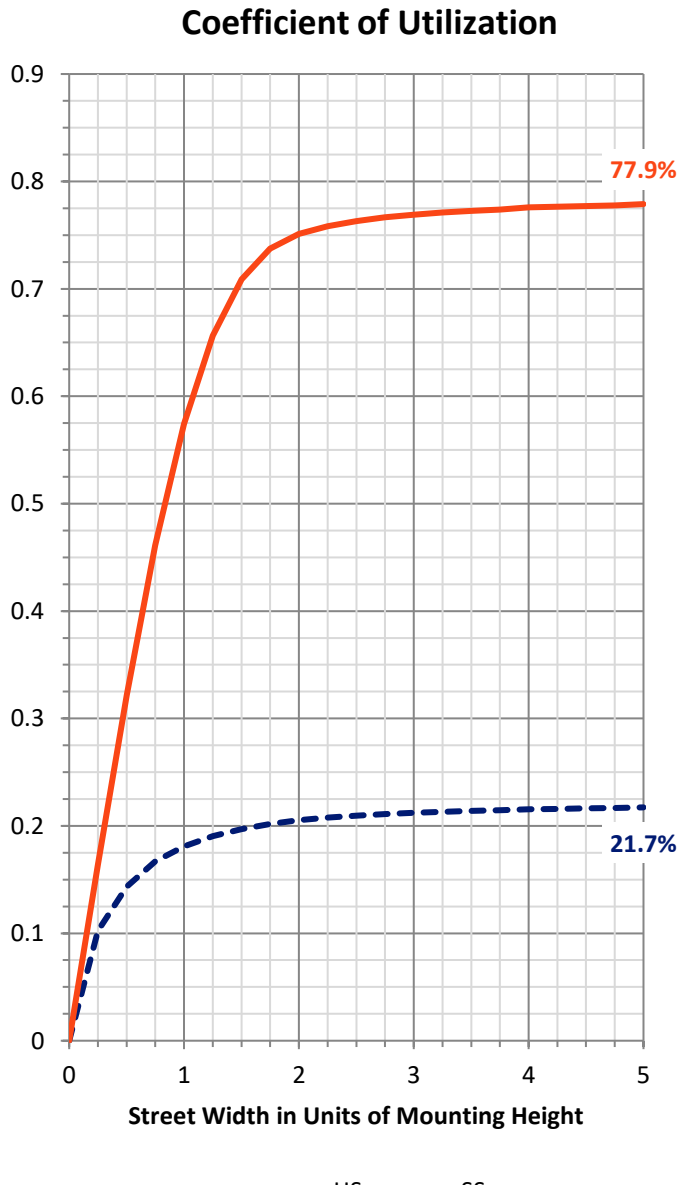
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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3869.7	0.0	3869.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	13715.3	0.0	13715.3
	% Fixture	78.0	0.0	78.0
Total	Lumens	17585.0	0.0	17585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.4	1.8
10°-20°	837.8	4.8
20°-30°	1351.8	7.7
30°-40°	2028.8	11.5
40°-50°	2878.0	16.4
50°-60°	3634.6	20.7
60°-70°	3691.4	21.0
70°-80°	2515.8	14.3
80°-90°	326.4	1.9
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°	17585.0	100.0
0°-180°	17585.0	100.0



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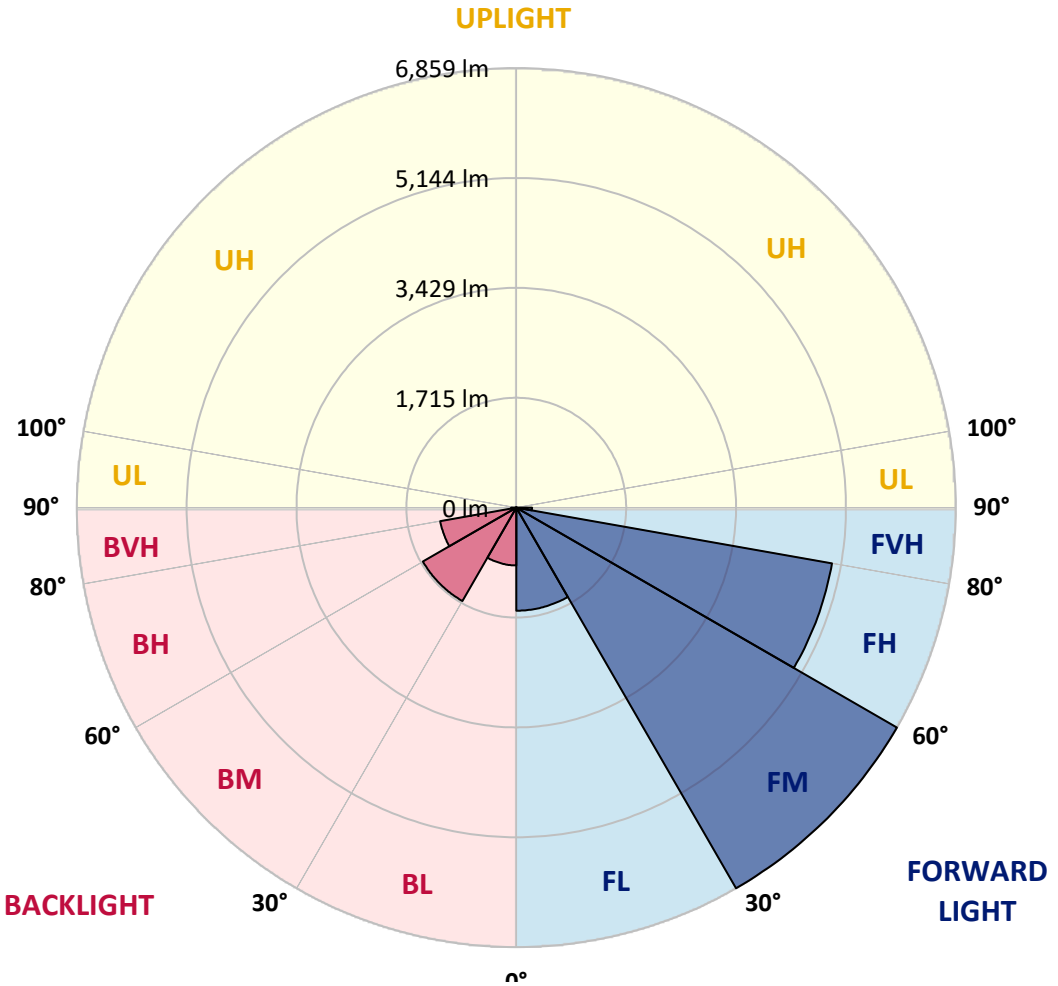
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1608.6	9.1			
FM	(30°-60°)	6858.5	39.0			
FH	(60°-80°)	5002.3	28.4			G3/7500
FVH	(80°-90°)	245.9	1.4			G3/500
BL	(0°-30°)	901.4	5.1	B2/1000		
BM	(30°-60°)	1682.9	9.6	B2/2500		
BH	(60°-80°)	1204.9	6.9	B3/2500		G3/2500
BVH	(80°-90°)	80.5	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	*3530.0*	3530.0
2.5°	3531.9	3515.1	3525.4	3521.6	3526.3	3531.9	3533.7	3536.5	3545.8	*3544.9*	3544.0
5°	3524.4	3507.7	3521.6	3517.0	3529.1	3542.1	3553.3	3563.5	3578.4	*3584.9*	3575.6
7.5°	3508.6	3497.5	3511.4	3525.4	3547.7	3567.2	3583.0	3606.3	3627.7	*3631.4*	3637.9
10°	3416.5	3408.2	3440.7	3477.0	3538.4	3591.4	3625.8	3652.8	3676.1	*3679.8*	3689.1
12.5°	3320.7	3310.5	3346.8	3396.1	3495.6	3591.4	3664.0	3699.3	3719.8	*3731.9*	3745.8
15°	3304.9	3296.5	3317.0	3359.8	3442.6	3566.3	3690.0	3755.1	3772.8	*3786.8*	3792.3
17.5°	3381.2	3365.4	3373.8	3388.6	3437.0	3543.0	3710.5	3818.4	3845.4	*3860.2*	3860.2
20°	3557.9	3535.6	3522.6	3492.8	3484.4	3546.8	3708.6	3894.7	3930.0	*3948.6*	3953.3
22.5°	3793.3	3778.4	3750.5	3675.1	3593.3	3592.3	3744.0	3992.3	4058.4	*4076.0*	4064.9
25°	4077.9	4055.6	4020.2	3917.9	3760.7	3682.6	3803.5	4117.0	4227.7	*4232.3*	4199.7
27.5°	4405.3	4371.8	4323.5	4188.6	3976.5	3824.0	3894.7	4260.2	4422.1	*4420.2*	4353.2
30°	4750.4	4716.9	4665.8	4502.1	4235.1	4014.6	4021.2	4414.6	4652.7	*4642.5*	4528.1
32.5°	5002.5	4977.4	4967.1	4840.6	4532.8	4239.7	4166.3	4585.8	4937.4	*4928.1*	4768.1
35°	5196.0	5163.4	5175.5	5111.3	4857.4	4491.8	4343.9	4789.5	5283.4	*5282.5*	5083.4
37.5°	5387.6	5358.7	5369.0	5326.2	5157.8	4811.8	4560.7	5038.8	5712.2	*5732.7*	5464.8
40°	5562.5	5531.8	5572.7	5532.7	5391.3	5152.3	4807.2	5320.6	6208.9	*6248.0*	5926.2
42.5°	5667.6	5643.4	5711.3	5712.2	5594.1	5439.7	5077.8	5631.3	6783.8	*6871.2*	6493.6
45°	5703.8	5695.5	5797.8	5819.2	5773.6	5606.2	5321.5	5969.9	7403.3	*7559.5*	7140.0
47.5°	5664.8	5649.0	5790.4	5869.4	5905.7	5684.3	5523.4	6336.4	8035.8	*8264.6*	7845.1
50°	5467.6	5436.9	5647.1	5813.6	5942.9	5735.5	5727.1	6759.6	8754.8	*9005.0*	8553.9
52.5°	5113.2	5089.9	5329.0	5618.3	5861.0	5760.6	5955.9	7221.9	9437.6	*9761.3*	9280.4
55°	4660.2	4629.5	4892.7	5270.4	5657.3	5752.2	6184.7	7739.1	10243.1	*10571.5*	10031.0
57.5°	3942.1	3880.7	4213.7	4660.2	5325.3	5742.0	6422.9	8253.5	11061.7	*11455.1*	10831.9
60°	2894.7	2803.6	3211.9	3741.2	4676.0	5642.5	6717.7	8830.2	12043.9	*12398.3*	11706.3
62.5°	1685.5	1632.5	1899.4	2393.3	3524.4	5056.4	6883.3	9500.8	13009.5	*13381.5*	12565.8
65°	1308.8	1293.9	1317.1	1355.3	1961.7	3785.8	6372.6	10154.7	14237.3	*14497.7*	13461.5
67.5°	1197.1	1186.0	1196.2	1124.6	995.3	2108.7	5041.6	10320.3	15552.6	*15710.7*	14245.7
70°	1064.1	1051.1	1084.6	1023.2	783.2	959.0	3257.5	9719.4	16599.0	*16895.7*	14841.9
72.5°	*866.9*	*852.0*	*930.2*	*902.3*	*659.5*	*615.8*	*1636.2*	*8291.6*	*16489.2*	*17105.0*	*14415.0*
75°	666.0	657.6	750.7	773.9	537.6	484.6	785.1	6163.4	14510.8	*15131.2*	12423.4
77.5°	517.2	510.7	558.1	642.8	433.5	375.8	482.8	3909.5	10935.2	*11044.0*	8561.3
80°	387.9	369.3	413.0	497.6	337.7	274.4	327.4	2279.9	6912.1	*6265.7*	3726.3
82.5°	242.8	233.5	269.8	332.1	238.1	188.8	213.0	1259.5	2770.1	*1631.5*	719.0
85°	138.6	134.9	147.0	189.8	129.3	108.8	121.9	556.2	506.0	*347.9*	216.7
87.5°	55.8	54.0	67.0	84.6	47.4	40.0	42.8	133.9	111.6	*103.2*	71.6
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°	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0	3530.0
2.5°	3540.3	3540.3	3527.2	3506.8	3483.5	3468.6	3444.4	3437.9	3412.8	3405.4	3417.5
5°	3583.0	3575.6	3535.6	3477.9	3398.9	3326.3	3246.3	3196.1	3125.4	3100.3	3118.9
7.5°	3637.0	3616.5	3547.7	3421.2	3255.6	3092.8	2923.5	2795.2	2672.4	2628.7	2634.3
10°	3686.3	3657.5	3540.3	3318.9	3032.4	2750.5	2480.8	2292.0	2148.7	2090.1	2103.1
12.5°	3735.6	3682.6	3491.0	3148.6	2715.2	2332.9	2045.5	1898.5	1810.1	1739.4	1762.7
15°	3782.1	3707.7	3414.7	2920.8	2367.3	1979.4	1767.3	1650.1	1579.4	1532.9	1541.3
17.5°	3836.0	3729.1	3300.3	2631.5	2036.2	1734.8	1561.8	1491.1	1477.1	1471.5	1475.3
20°	3911.4	3748.6	3149.6	2307.8	1792.5	1539.4	1450.1	1443.6	1442.7	1439.9	1449.2
22.5°	3992.3	3771.9	2950.5	2013.8	1585.0	1417.6	1401.8	1388.8	1380.4	1379.5	1389.7
25°	4088.1	3779.3	2701.2	1772.9	1408.3	1359.9	1341.3	1321.8	1316.2	1316.2	1321.8
27.5°	4181.1	3754.2	2411.0	1563.6	1308.8	1306.9	1282.7	1276.2	1275.3	1278.1	1285.5
30°	4274.2	3706.8	2122.7	1370.2	1251.1	1251.1	1242.7	1247.4	1251.1	1260.4	1266.9
32.5°	4399.7	3656.5	1881.7	1226.9	1200.9	1191.6	1199.9	1209.2	1213.0	1225.0	1235.3
35°	4583.9	3621.2	1690.1	1148.8	1148.8	1136.7	1141.3	1139.5	1131.1	1125.5	1138.5
37.5°	4827.6	3619.3	1532.0	1112.5	1105.1	1103.2	1104.1	1092.0	1059.5	1020.4	1021.3
40°	5120.6	3669.5	1410.1	1087.4	1081.8	1093.0	1087.4	1054.8	965.5	897.6	895.8
42.5°	5514.1	3812.8	1332.0	1056.7	1073.4	1087.4	1065.1	952.5	892.0	846.5	844.6
45°	5977.3	4045.3	1292.0	1024.1	1057.6	1074.4	966.5	917.2	868.8	813.9	810.2
47.5°	6501.9	4338.3	1282.7	993.4	1022.3	1032.5	924.6	902.3	847.4	787.9	783.2
50°	7073.1	4685.3	1307.8	957.2	971.1	935.8	910.6	890.2	833.4	774.8	768.3
52.5°	7663.7	5067.6	1358.1	907.9	919.9	880.9	905.1	887.4	825.1	746.0	740.4
55°	8244.2	5452.7	1406.4	850.2	867.9	831.6	889.2	876.2	786.9	697.6	693.0
57.5°	8833.9	5835.9	1453.9	799.0	817.6	784.1	864.1	846.5	744.1	653.0	651.1
60°	9446.9	6208.0	1476.2	749.7	762.7	740.4	826.0	795.3	695.8	607.4	604.6
62.5°	10020.8	6517.7	1439.9	700.4	708.8	699.5	775.8	734.8	647.4	556.2	555.3
65°	10596.6	6701.9	1328.3	652.1	653.9	649.3	705.1	669.7	590.7	511.6	506.0
67.5°	11118.4	6805.2	1150.6	600.0	595.3	593.5	639.0	599.0	535.8	466.9	461.4
70°	11229.1	6542.9	879.0	538.6	538.6	533.9	566.5	525.5	475.3	419.5	417.6
72.5°	*10256.1*	*5503.9*	*624.1*	*468.8*	*476.3*	*466.9*	*493.9*	*459.5*	*413.9*	*376.7*	*365.6*
75°	8270.2	4036.0	453.9	397.2	410.2	394.4	419.5	395.3	356.3	355.3	320.0
77.5°	5682.5	2495.7	329.3	327.4	336.7	316.3	345.1	332.1	296.7	280.9	263.2
80°	2425.0	995.3	240.0	253.0	253.0	234.4	267.9	271.6	240.9	233.5	233.5
82.5°	482.8	282.8	168.4	173.9	163.7	158.1	189.8	210.2	290.2	322.8	323.7
85°	145.1	104.2	101.4	94.9	83.7	84.6	111.6	211.2	260.4	148.8	128.4
87.5°	40.0	26.0	27.0	21.4	17.7	23.3	38.1	160.0	87.4	37.2	31.6
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)