

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P955030

Luminaire Tested: **GALN-SB8A-835-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8A-835-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25712 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

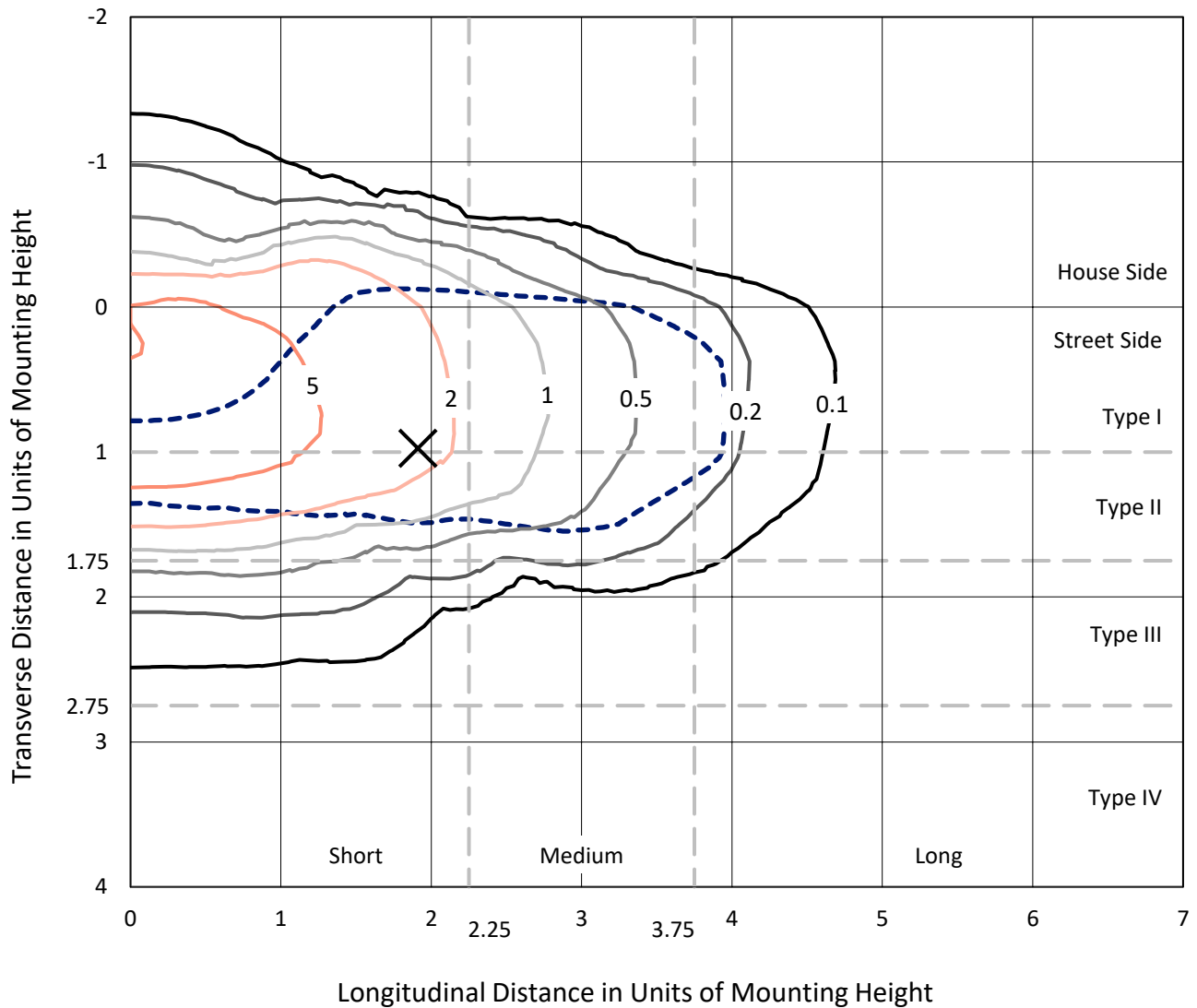
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

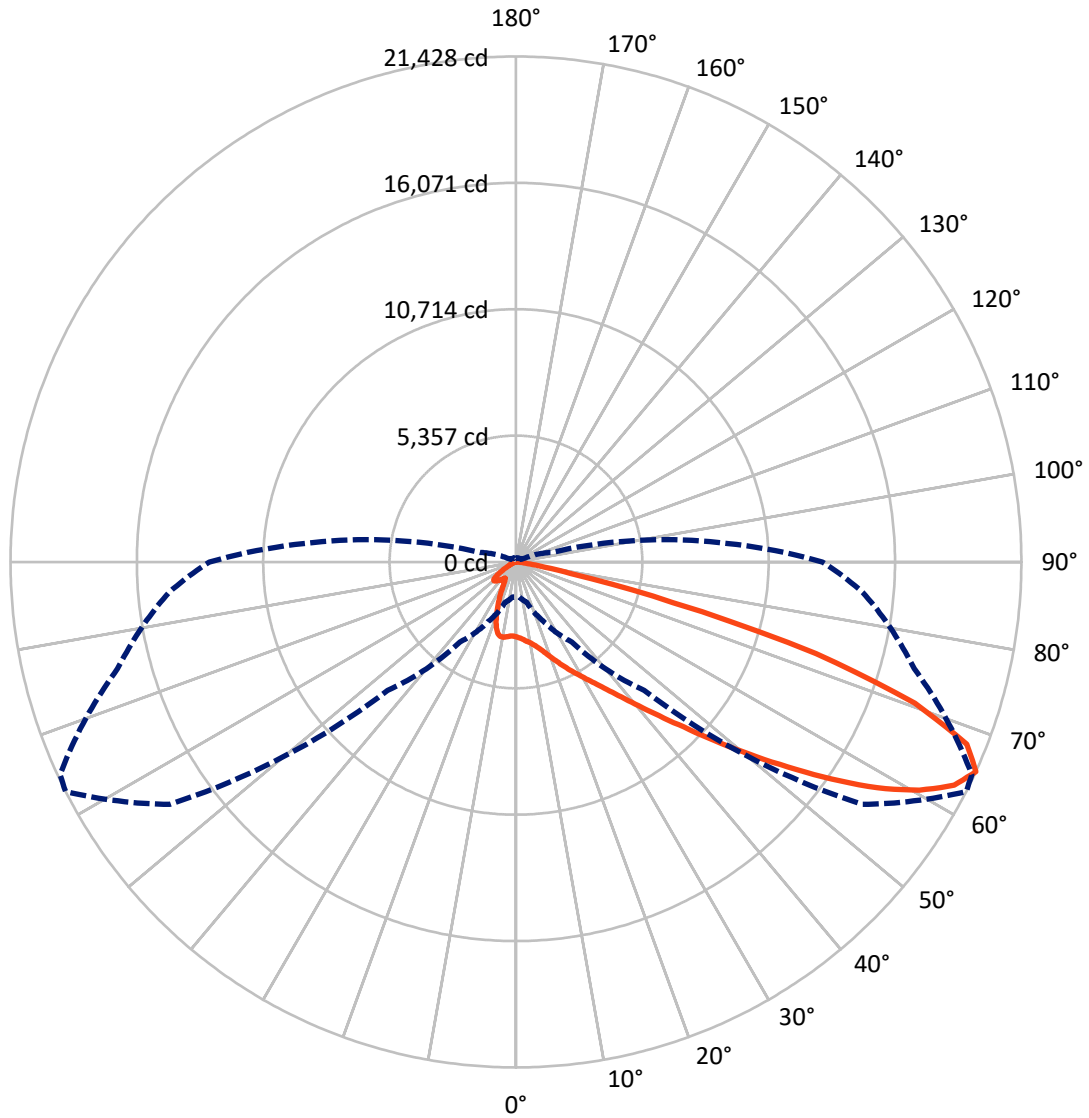
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3779.5	0.0	3779.5
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	21932.5	0.0	21932.5
	% Fixture	85.3	0.0	85.3
Total	Lumens	25712.0	0.0	25712.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.0	1.2
10°-20°	829.6	3.2
20°-30°	1444.5	5.6
30°-40°	2603.6	10.1
40°-50°	5163.8	20.1
50°-60°	7033.9	27.4
60°-70°	5614.4	21.8
70°-80°	2540.6	9.9
80°-90°	182.6	0.7
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°	25712.0	100.0
0°-180°	25712.0	100.0

Coefficient of Utilization



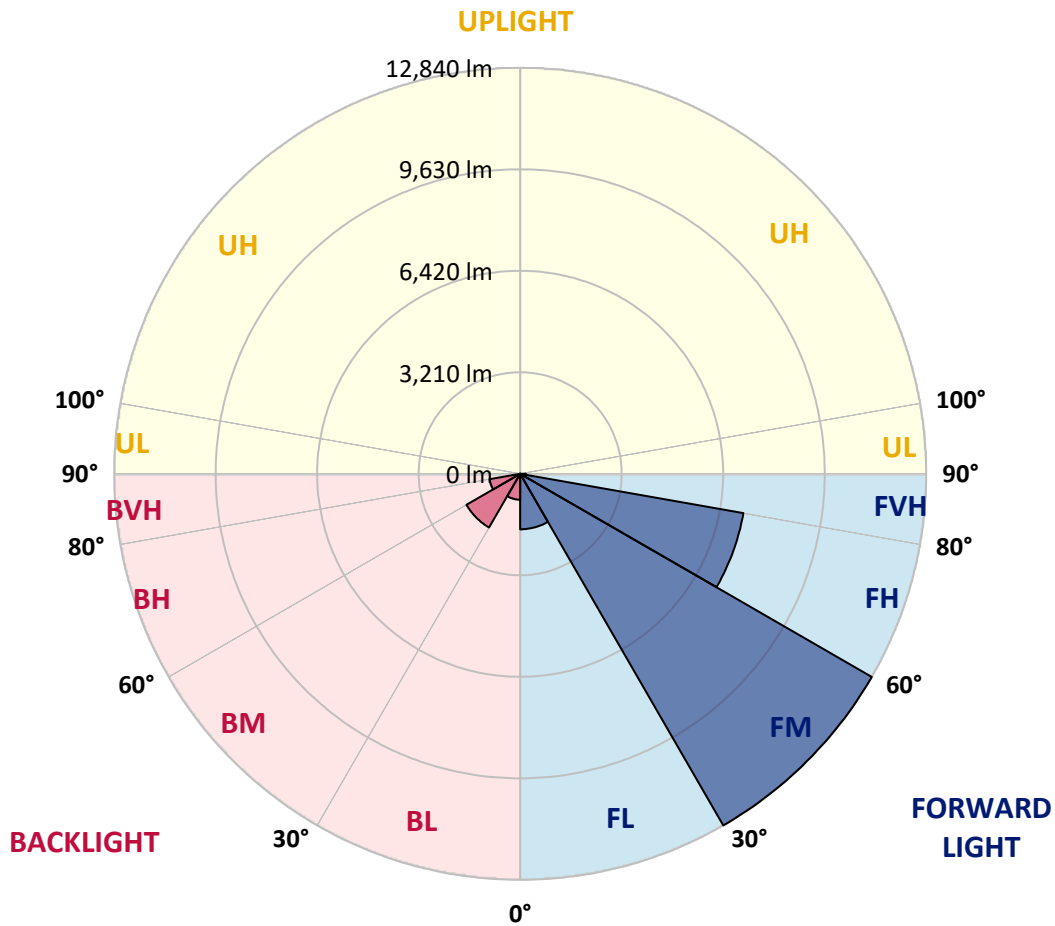
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1755.2	6.8			
FM (30°-60°)	12839.9	49.9			
FH (60°-80°)	7168.4	27.9			G3/7500
FVH (80°-90°)	169.1	0.7			G2/225
BL (0°-30°)	817.9	3.2	B2/1000		
BM (30°-60°)	1961.3	7.6	B2/2500		
BH (60°-80°)	986.7	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3
2.5°	3247.6	3238.8	3251.2	3245.9	3242.3	3235.3	3231.7	3228.2	3221.1	3215.8
5°	3256.5	3251.2	3263.6	3274.2	3284.8	3295.4	3300.7	3307.8	3300.7	3286.6
7.5°	3182.2	3178.7	3205.2	3237.0	3284.8	3325.5	3369.7	3394.5	3396.2	3390.9
10°	3176.9	3168.0	3194.6	3233.5	3295.4	3367.9	3445.8	3498.8	3505.9	3528.9
12.5°	3260.0	3251.2	3288.3	3330.8	3394.5	3470.5	3566.0	3640.3	3650.9	3682.8
15°	3399.8	3387.4	3429.8	3484.7	3566.0	3652.7	3753.5	3820.8	3829.6	3868.5
17.5°	3562.5	3550.1	3599.6	3658.0	3746.5	3865.0	3981.7	4056.0	4066.6	4091.4
20°	3771.2	3755.3	3794.2	3847.3	3941.0	4082.5	4222.3	4328.4	4326.6	4326.6
22.5°	4013.6	3988.8	4022.4	4064.9	4153.3	4324.9	4510.6	4636.2	4636.2	4586.7
25°	4273.6	4248.8	4286.0	4324.9	4402.7	4597.3	4814.9	4970.5	4977.6	4892.7
27.5°	4599.1	4567.2	4595.5	4641.5	4687.5	4885.6	5143.9	5324.3	5327.8	5196.9
30°	5225.2	5135.0	5046.6	4997.0	5018.3	5214.6	5490.6	5690.4	5708.1	5527.7
32.5°	6371.5	6353.8	6042.4	5635.6	5423.3	5568.4	5877.9	6118.5	6129.1	5897.4
35°	8152.7	8131.5	7630.9	6856.1	6164.5	6042.4	6348.5	6633.2	6626.2	6364.4
37.5°	10278.9	10259.4	9599.6	8563.1	7443.4	6758.8	6955.2	7254.1	7298.3	6955.2
40°	12095.5	12023.0	11605.5	10606.1	9141.5	7947.5	7818.4	8016.5	8062.5	7655.7
42.5°	13471.7	13409.8	13197.5	12573.1	11196.9	9705.8	8835.5	8911.5	8962.8	8474.6
45°	14184.5	14170.4	14255.3	14196.9	13291.3	11863.8	10289.5	9972.9	9992.3	9382.1
47.5°	14285.4	14278.3	14665.7	15214.0	15092.0	14297.7	12155.7	11296.0	11227.0	10406.2
50°	13691.0	13676.9	14419.8	15447.5	16294.8	16342.6	14274.8	12787.1	12635.0	11465.8
52.5°	11793.0	11789.5	13010.0	14720.5	16717.6	18132.7	16369.1	14425.1	14170.4	12587.3
55°	9074.3	9139.7	10538.9	12560.7	15946.3	18994.1	18249.4	16243.5	15852.6	13715.8
57.5°	6428.1	6523.6	7906.8	9707.5	13554.8	18484.7	19521.2	18065.4	17644.4	14840.8
60°	3452.8	3537.7	4922.8	7071.9	10084.3	16584.9	20191.6	19646.8	19248.8	15909.2
62.5°	2057.2	2085.5	2658.6	4565.4	6820.7	12670.4	19906.8	20851.4	20524.2	16806.0
65°	1477.0	1482.3	1770.6	2787.7	4140.9	7698.1	17909.8	21428.0	21327.2	17481.7
67.5°	1243.5	1240.0	1360.3	1852.0	2821.3	3856.1	13726.4	20612.6	21040.7	17909.8
70°	1066.6	1071.9	1213.4	1356.7	2120.9	2182.8	6824.3	17946.9	18859.7	18023.0
72.5°	794.2	811.9	942.8	1236.4	1600.8	1501.8	2356.1	13307.2	14957.5	16981.1
75°	560.7	569.6	663.3	1040.1	1194.0	1093.2	1202.8	6879.1	8994.7	13018.9
77.5°	431.6	447.5	502.4	727.0	1176.3	767.7	735.8	2380.9	3658.0	7864.4
80°	233.5	261.8	362.6	525.4	826.1	543.0	364.4	948.1	1240.0	3677.5
82.5°	120.3	134.4	252.9	378.5	470.5	474.1	180.4	394.5	511.2	1135.6
85°	47.8	58.4	169.8	208.7	242.3	233.5	81.4	159.2	184.0	314.9
87.5°	10.6	17.7	61.9	47.8	46.0	49.5	19.5	37.1	35.4	37.1
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3173.3	0°	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3	3173.3
3194.6	2.5°	3192.8	3185.7	3166.3	3145.0	3120.3	3106.1	3097.3	3095.5	3083.1	3074.3
3265.3	5°	3245.9	3238.8	3201.6	3157.4	3109.7	3072.5	3037.1	3005.3	2959.3	2950.5
3367.9	7.5°	3352.0	3332.5	3272.4	3212.3	3122.0	3014.1	2883.3	2732.9	2598.5	2557.8
3504.1	10°	3482.9	3456.4	3380.3	3274.2	3074.3	2780.7	2464.0	2170.4	1936.9	1871.5
3665.1	12.5°	3631.5	3608.5	3507.7	3311.3	2874.4	2342.0	1857.3	1492.9	1266.5	1209.9
3836.7	15°	3808.4	3774.8	3635.0	3254.7	2517.1	1779.5	1275.4	1059.6	978.2	967.6
4033.0	17.5°	3995.9	3941.0	3748.2	3051.3	2036.0	1264.7	985.3	923.3	888.0	877.4
4231.1	20°	4167.4	4096.7	3815.4	2743.5	1521.2	985.3	882.7	842.0	810.1	797.8
4429.2	22.5°	4339.0	4238.2	3815.4	2324.3	1140.9	873.8	810.1	773.0	735.8	719.9
4641.5	25°	4517.7	4383.3	3748.2	1857.3	918.0	801.3	741.2	700.5	668.6	649.2
4843.2	27.5°	4691.0	4505.3	3594.3	1415.1	817.2	737.6	677.5	638.6	608.5	594.3
5062.5	30°	4855.5	4625.6	3378.5	1073.7	751.8	675.7	619.1	585.5	555.4	541.3
5347.3	32.5°	5078.4	4777.7	3148.6	880.9	695.2	617.3	566.0	534.2	507.7	497.1
5717.0	35°	5388.0	5002.4	2950.5	865.0	647.4	569.6	518.3	488.2	461.7	452.8
6194.6	37.5°	5826.6	5365.0	2846.1	971.1	608.5	527.1	479.4	447.5	422.8	415.7
6801.3	40°	6367.9	5856.7	2902.7	1077.2	582.0	490.0	444.0	412.1	390.9	382.1
7498.2	42.5°	7010.0	6463.4	3215.8	1158.6	564.3	458.1	410.4	375.0	360.8	357.3
8288.9	45°	7747.6	7130.3	3695.2	1245.3	536.0	428.1	376.8	350.2	339.6	337.9
9148.6	47.5°	8586.1	7862.6	4250.6	1353.2	507.7	399.8	350.2	332.5	323.7	320.2
10045.4	50°	9417.4	8600.2	4821.9	1413.3	484.7	373.2	329.0	314.9	307.8	306.0
10993.5	52.5°	10287.7	9359.1	5283.6	1356.7	465.2	352.0	311.3	300.7	293.6	291.9
11867.3	55°	11117.3	9972.9	5363.2	1151.5	426.3	330.8	291.9	286.6	277.7	277.7
12753.5	57.5°	11831.9	10280.7	4800.7	845.5	387.4	298.9	272.4	267.1	260.0	258.3
13553.1	60°	12488.2	10192.2	3705.8	569.6	344.9	267.1	247.6	244.1	237.0	228.2
14248.2	62.5°	12857.9	9803.1	2534.8	371.5	302.5	233.5	219.3	217.6	201.7	184.0
14763.0	65°	12997.6	9003.5	1581.4	270.6	252.9	199.9	189.3	185.7	162.7	143.3
15054.8	67.5°	12875.6	7687.5	797.8	214.0	199.9	166.3	155.7	155.7	139.7	122.1
15037.1	70°	12387.4	5763.0	336.1	171.6	153.9	127.4	127.4	134.4	118.5	99.1
14257.1	72.5°	11327.8	3877.4	178.7	130.9	115.0	90.2	104.4	109.7	93.7	74.3
11669.2	75°	9005.3	2365.0	123.8	97.3	72.5	63.7	79.6	83.1	63.7	49.5
8000.6	77.5°	6159.2	1358.5	83.1	61.9	46.0	37.1	54.8	51.3	33.6	23.0
3084.9	80°	2704.6	566.0	47.8	28.3	17.7	14.2	19.5	14.2	10.6	7.1
422.8	82.5°	316.6	132.7	17.7	10.6	7.1	3.5	1.8	0.0	0.0	0.0
129.1	85°	65.4	15.9	8.8	3.5	1.8	0.0	0.0	0.0	0.0	0.0
23.0	87.5°	12.4	3.5	1.8	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

(END O

180°
3173.3
3083.1
2946.9
2538.3
1846.7
1194.0
957.0
872.1
790.7
711.1
642.1
594.3
543.0
497.1
452.8
413.9
380.3
357.3
336.1
320.2
306.0
291.9
275.9
256.5
226.4
180.4
141.5
120.3
97.3
74.3
47.8
24.8
7.1
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