

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: P952573

Luminaire Tested: **GALN-SB6B-850-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952573
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-SB6B-850-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 5000K, 450mA 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: 24962 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

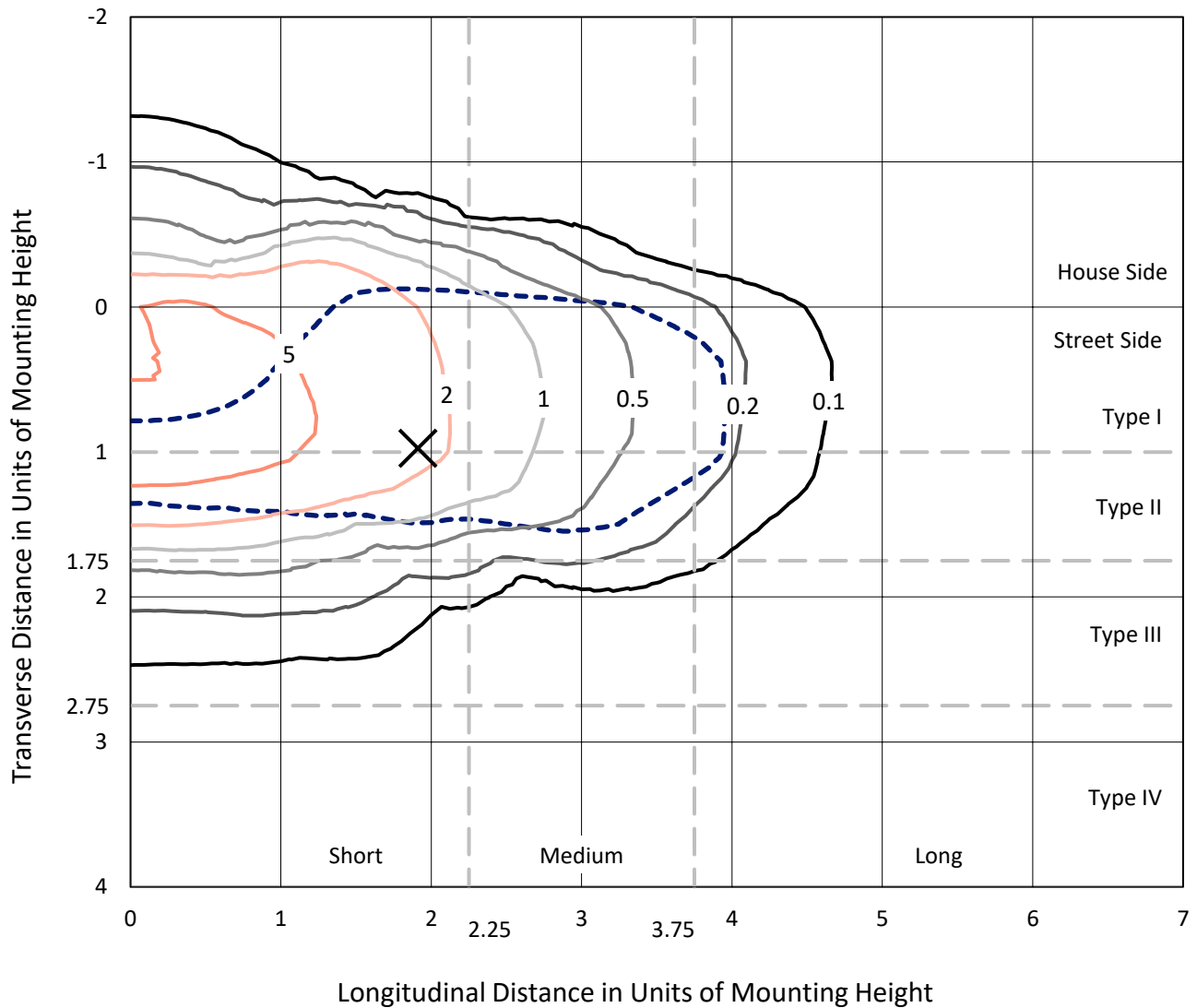
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

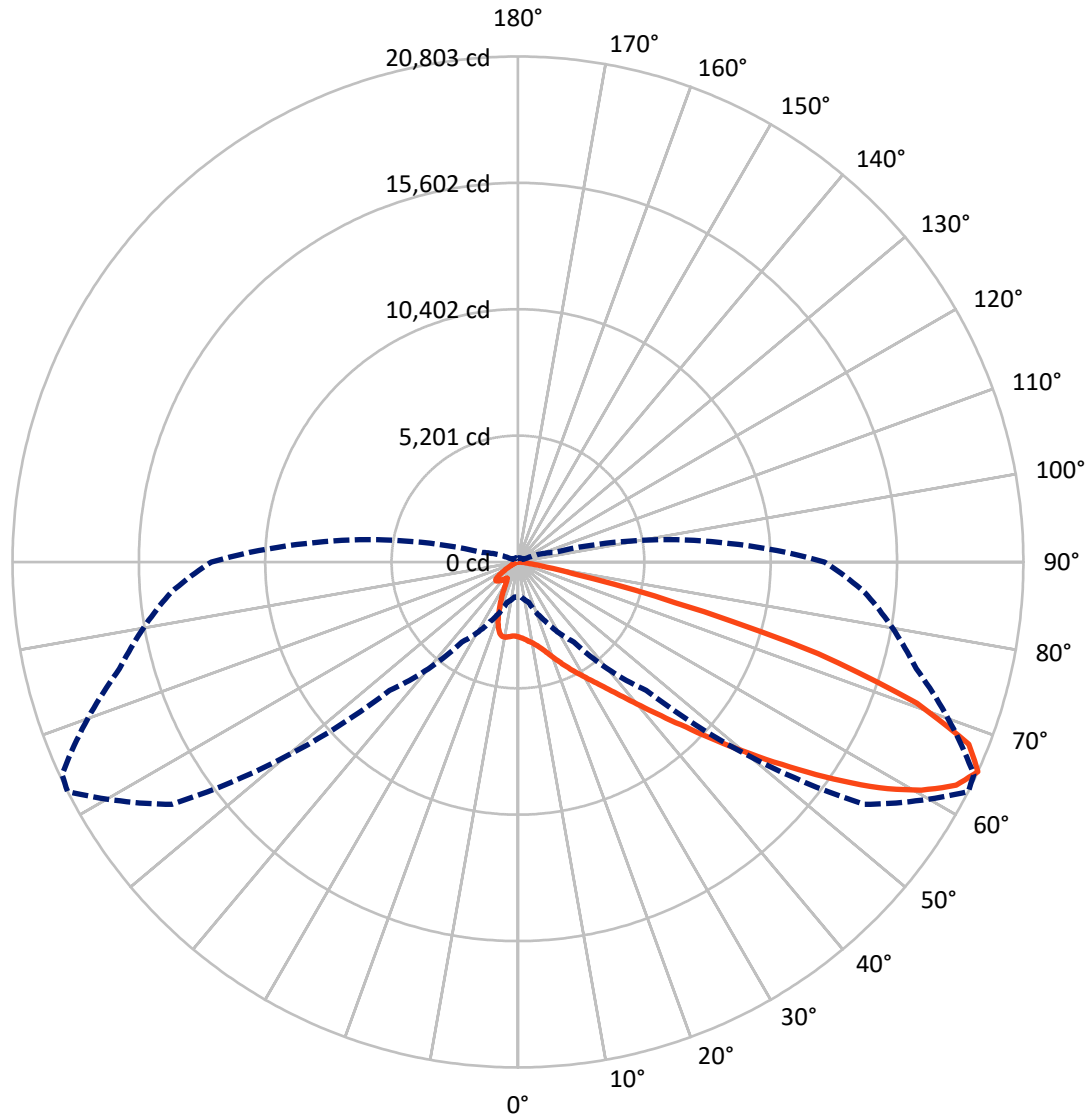
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	3669.2	0.0	3669.2
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	21292.8	0.0	21292.8
	% Fixture	85.3	0.0	85.3
Total	Lumens	24962.0	0.0	24962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.3	1.2
10°-20°	805.4	3.2
20°-30°	1402.4	5.6
30°-40°	2527.6	10.1
40°-50°	5013.1	20.1
50°-60°	6828.7	27.4
60°-70°	5450.6	21.8
70°-80°	2466.5	9.9
80°-90°	177.3	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°	24962.0	100.0
0°-180°	24962.0	100.0

Coefficient of Utilization



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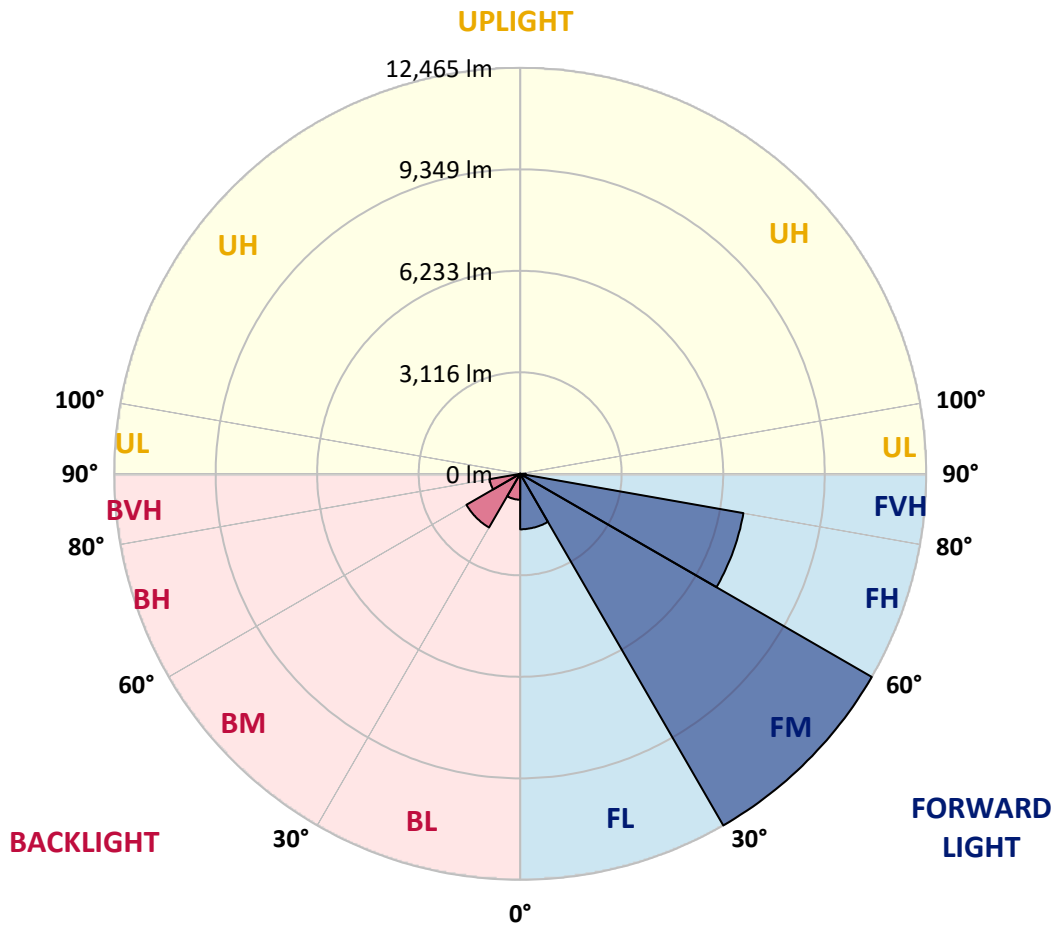
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1704.0	6.8			
FM (30°-60°)	12465.4	49.9			
FH (60°-80°)	6959.3	27.9			G3/7500
FVH (80°-90°)	164.1	0.7			G2/225
BL (0°-30°)	794.1	3.2	B2/1000		
BM (30°-60°)	1904.1	7.6	B2/2500		
BH (60°-80°)	957.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.2	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°	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8
2.5°	3152.9	3144.3	3156.3	3151.2	3147.8	3140.9	3137.5	3134.0	3127.1	3122.0
5°	3161.5	3156.3	3168.4	3178.7	3189.0	3199.3	3204.4	3211.3	3204.4	3190.7
7.5°	3089.4	3085.9	3111.7	3142.6	3189.0	3228.5	3271.4	3295.4	3297.2	3292.0
10°	3084.2	3075.6	3101.4	3139.2	3199.3	3269.7	3345.2	3396.8	3403.6	3426.0
12.5°	3164.9	3156.3	3192.4	3233.6	3295.4	3369.3	3462.0	3534.1	3544.4	3575.4
15°	3300.6	3288.6	3329.8	3383.0	3462.0	3546.2	3644.0	3709.3	3717.9	3755.7
17.5°	3458.6	3446.6	3494.6	3551.3	3637.2	3752.2	3865.6	3937.7	3948.0	3972.0
20°	3661.2	3645.8	3683.5	3735.1	3826.1	3963.5	4099.1	4202.2	4200.4	4200.4
22.5°	3896.5	3872.4	3905.1	3946.3	4032.2	4198.7	4379.0	4501.0	4501.0	4452.9
25°	4148.9	4124.9	4160.9	4198.7	4274.3	4463.2	4674.4	4825.5	4832.4	4750.0
27.5°	4464.9	4434.0	4461.5	4506.1	4550.8	4743.1	4993.8	5169.0	5172.4	5045.3
30°	5072.8	4985.2	4899.4	4851.3	4871.9	5062.5	5330.4	5524.5	5541.6	5366.5
32.5°	6185.6	6168.4	5866.2	5471.2	5265.1	5406.0	5706.5	5940.0	5950.3	5725.4
35°	7914.9	7894.3	7408.3	6656.1	5984.7	5866.2	6163.3	6439.8	6432.9	6178.7
37.5°	9979.1	9960.2	9319.6	8313.3	7226.3	6561.7	6752.3	7042.5	7085.5	6752.3
40°	11742.7	11672.3	11267.0	10296.8	8874.9	7715.7	7590.3	7782.7	7827.3	7432.3
42.5°	13078.7	13018.6	12812.6	12206.4	10870.3	9422.7	8577.8	8651.6	8701.4	8227.4
45°	13770.8	13757.1	13839.5	13782.8	12903.6	11517.7	9989.4	9682.0	9700.9	9108.4
47.5°	13868.7	13861.8	14237.9	14770.2	14651.7	13880.7	11801.1	10966.5	10899.5	10102.7
50°	13291.7	13277.9	13999.2	14996.9	15819.5	15865.9	13858.4	12414.1	12266.5	11131.3
52.5°	11449.0	11445.6	12630.5	14291.1	16229.9	17603.7	15891.6	14004.3	13757.1	12220.1
55°	8809.6	8873.1	10231.5	12194.3	15481.2	18440.0	17717.1	15769.7	15390.2	13315.7
57.5°	6240.6	6333.3	7676.2	9424.4	13159.4	17945.5	18951.8	17538.5	17129.8	14407.9
60°	3352.1	3434.5	4779.2	6865.6	9790.2	16101.1	19602.6	19073.7	18687.3	15445.1
62.5°	1997.2	2024.7	2581.1	4432.3	6621.8	12300.8	19326.2	20243.2	19925.5	16315.8
65°	1433.9	1439.1	1719.0	2706.4	4020.1	7473.6	17387.4	20803.0	20705.1	16971.8
67.5°	1207.2	1203.8	1320.6	1798.0	2739.0	3743.6	13326.0	20011.3	20426.9	17387.4
70°	1035.5	1040.7	1178.0	1317.1	2059.0	2119.1	6625.2	17423.4	18309.5	17497.3
72.5°	771.1	788.2	915.3	1200.4	1554.1	1458.0	2287.4	12919.0	14521.2	16485.8
75°	544.4	553.0	644.0	1009.8	1159.2	1061.3	1167.7	6678.5	8732.3	12639.1
77.5°	419.0	434.5	487.7	705.8	1142.0	745.3	714.4	2311.4	3551.3	7635.0
80°	226.7	254.2	352.0	510.0	802.0	527.2	353.8	920.5	1203.8	3570.2
82.5°	116.8	130.5	245.6	367.5	456.8	460.2	175.2	383.0	496.3	1102.5
85°	46.4	56.7	164.9	202.6	235.3	226.7	79.0	154.6	178.6	305.7
87.5°	10.3	17.2	60.1	46.4	44.6	48.1	18.9	36.1	34.3	36.1
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°
3080.8	0°	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8	3080.8
3101.4	2.5°	3099.7	3092.8	3073.9	3053.3	3029.3	3015.5	3006.9	3005.2	2993.2	2984.6
3170.1	5°	3151.2	3144.3	3108.3	3065.3	3019.0	2982.9	2948.6	2917.6	2873.0	2864.4
3269.7	7.5°	3254.2	3235.3	3176.9	3118.6	3031.0	2926.2	2799.2	2653.2	2522.7	2483.2
3401.9	10°	3381.3	3355.5	3281.7	3178.7	2984.6	2699.5	2392.2	2107.1	1880.4	1816.9
3558.2	12.5°	3525.6	3503.2	3405.3	3214.7	2790.6	2273.7	1803.1	1449.4	1229.6	1174.6
3724.8	15°	3697.3	3664.7	3529.0	3159.8	2443.7	1727.6	1238.2	1028.6	949.7	939.3
3915.4	17.5°	3879.3	3826.1	3638.9	2962.3	1976.6	1227.8	956.5	896.4	862.1	851.8
4107.7	20°	4045.9	3977.2	3704.2	2663.5	1476.9	956.5	856.9	817.4	786.5	774.5
4300.0	22.5°	4212.5	4114.6	3704.2	2256.5	1107.6	848.3	786.5	750.4	714.4	698.9
4506.1	25°	4385.9	4255.4	3638.9	1803.1	891.3	777.9	719.5	680.0	649.1	630.2
4701.9	27.5°	4554.2	4373.9	3489.5	1373.8	793.4	716.1	657.7	619.9	590.7	577.0
4914.8	30°	4713.9	4490.7	3280.0	1042.4	729.8	656.0	601.0	568.4	539.2	525.5
5191.3	32.5°	4930.3	4638.3	3056.7	855.2	674.9	599.3	549.5	518.6	492.9	482.6
5550.2	35°	5230.8	4856.4	2864.4	839.7	628.5	553.0	503.2	474.0	448.2	439.6
6013.9	37.5°	5656.7	5208.5	2763.1	942.8	590.7	511.7	465.4	434.5	410.4	403.6
6602.9	40°	6182.2	5685.9	2818.0	1045.8	565.0	475.7	431.0	400.1	379.5	370.9
7279.5	42.5°	6805.5	6274.9	3122.0	1124.8	547.8	444.8	398.4	364.1	350.3	346.9
8047.1	45°	7521.6	6922.3	3587.4	1209.0	520.3	415.6	365.8	340.0	329.7	328.0
8881.7	47.5°	8335.6	7633.3	4126.6	1313.7	492.9	388.1	340.0	322.8	314.3	310.8
9752.4	50°	9142.7	8349.4	4681.3	1372.1	470.5	362.3	319.4	305.7	298.8	297.1
10672.8	52.5°	9987.6	9086.1	5129.5	1317.1	451.6	341.7	302.2	291.9	285.1	283.3
11521.2	55°	10793.0	9682.0	5206.8	1117.9	413.9	321.1	283.3	278.2	269.6	269.6
12381.5	57.5°	11486.8	9980.8	4660.7	820.9	376.1	290.2	264.5	259.3	252.4	250.7
13157.7	60°	12123.9	9894.9	3597.7	553.0	334.9	259.3	240.4	237.0	230.1	221.5
13832.6	62.5°	12482.8	9517.1	2460.8	360.6	293.7	226.7	212.9	211.2	195.8	178.6
14332.3	65°	12618.5	8740.9	1535.2	262.7	245.6	194.1	183.7	180.3	158.0	139.1
14615.7	67.5°	12500.0	7463.3	774.5	207.8	194.1	161.4	151.1	151.1	135.7	118.5
14598.5	70°	12026.0	5594.9	326.3	166.6	149.4	123.6	123.6	130.5	115.1	96.2
13841.2	72.5°	10997.4	3764.3	173.4	127.1	111.6	87.6	101.3	106.5	91.0	72.1
11328.8	75°	8742.6	2296.0	120.2	94.4	70.4	61.8	77.3	80.7	61.8	48.1
7767.2	77.5°	5979.5	1318.9	80.7	60.1	44.6	36.1	53.2	49.8	32.6	22.3
2994.9	80°	2625.7	549.5	46.4	27.5	17.2	13.7	18.9	13.7	10.3	6.9
410.4	82.5°	307.4	128.8	17.2	10.3	6.9	3.4	1.7	0.0	0.0	0.0
125.4	85°	63.5	15.5	8.6	3.4	1.7	0.0	0.0	0.0	0.0	0.0
22.3	87.5°	12.0	3.4	1.7	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°
3080.8
2993.2
2861.0
2464.3
1792.8
1159.2
929.0
846.6
767.6
690.3
623.4
577.0
527.2
482.6
439.6
401.8
369.2
346.9
326.3
310.8
297.1
283.3
267.9
249.0
219.8
175.2
137.4
116.8
94.4
72.1
46.4
24.0
6.9
0.0
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