

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: P952951

Luminaire Tested: **GALN-SB6C-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952951
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-SB6C-927-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA 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: 21126 lumens
Efficiency: N/A
Efficacy: 70.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

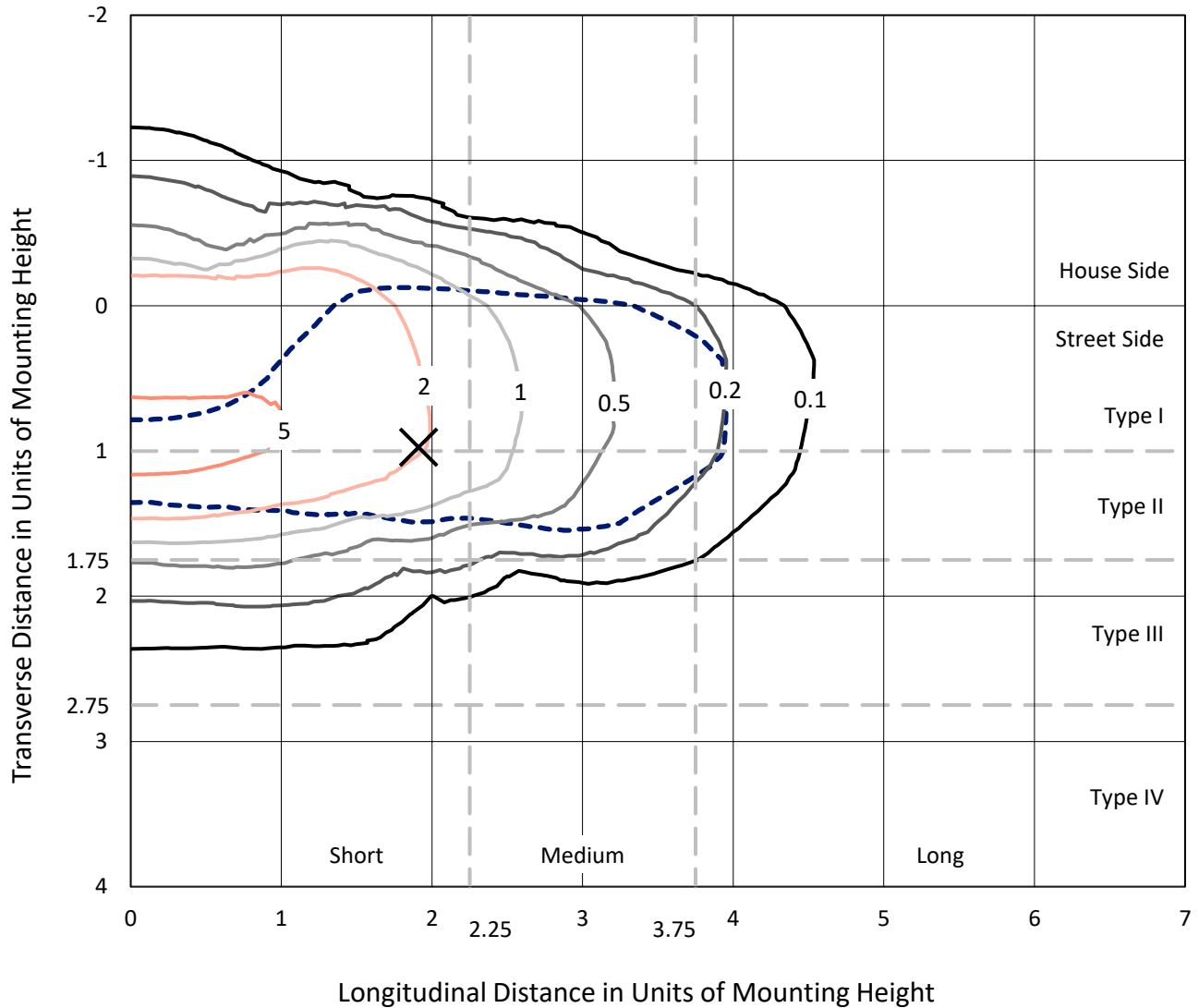
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

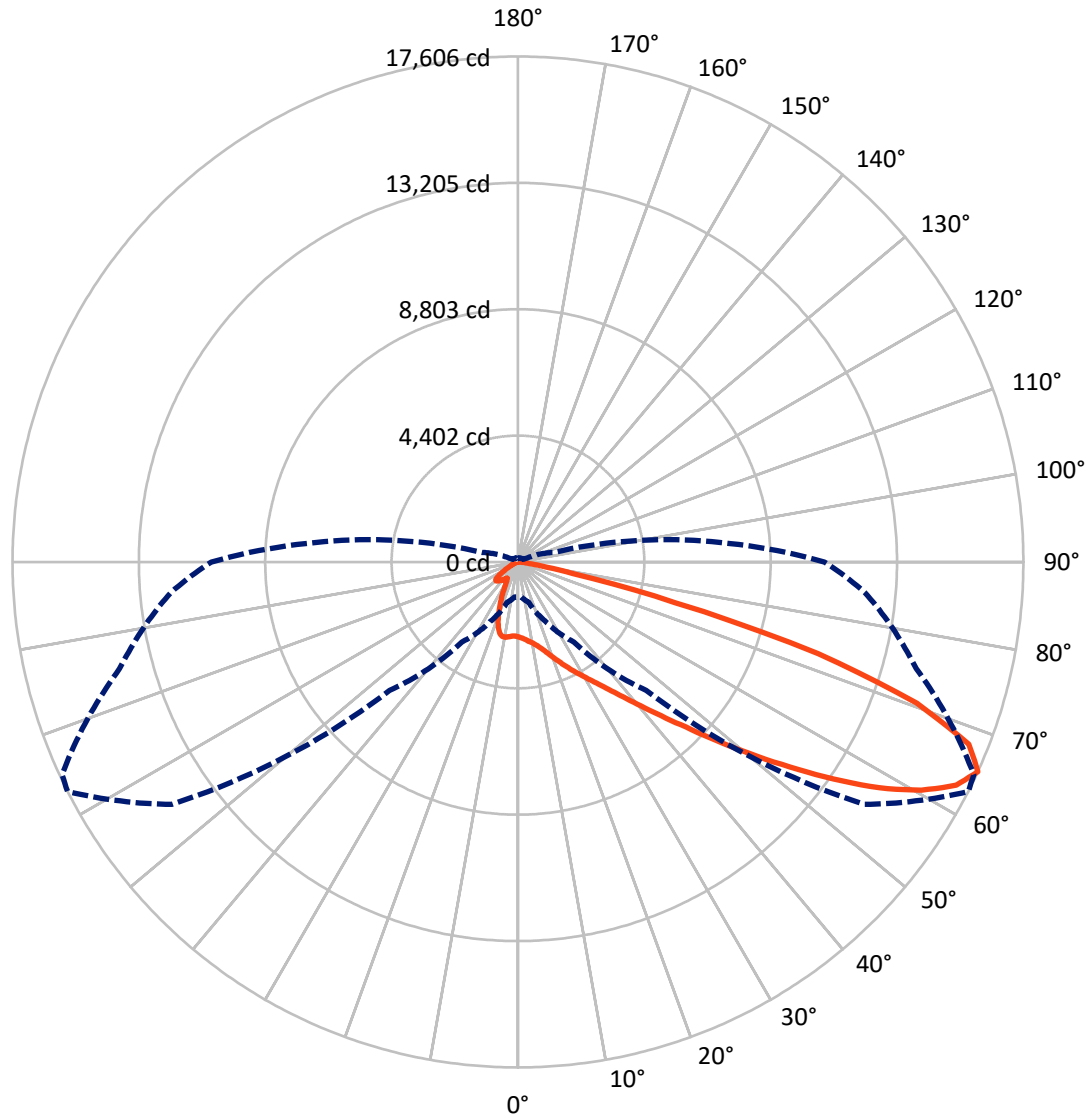
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	3105.4	0.0	3105.4
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	18020.6	0.0	18020.6
	% Fixture	85.3	0.0	85.3
Total	Lumens	21126.0	0.0	21126.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	245.7	1.2
10°-20°	681.6	3.2
20°-30°	1186.9	5.6
30°-40°	2139.2	10.1
40°-50°	4242.7	20.1
50°-60°	5779.3	27.4
60°-70°	4613.0	21.8
70°-80°	2087.5	9.9
80°-90°	150.1	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°	21126.0	100.0
0°-180°	21126.0	100.0

Coefficient of Utilization



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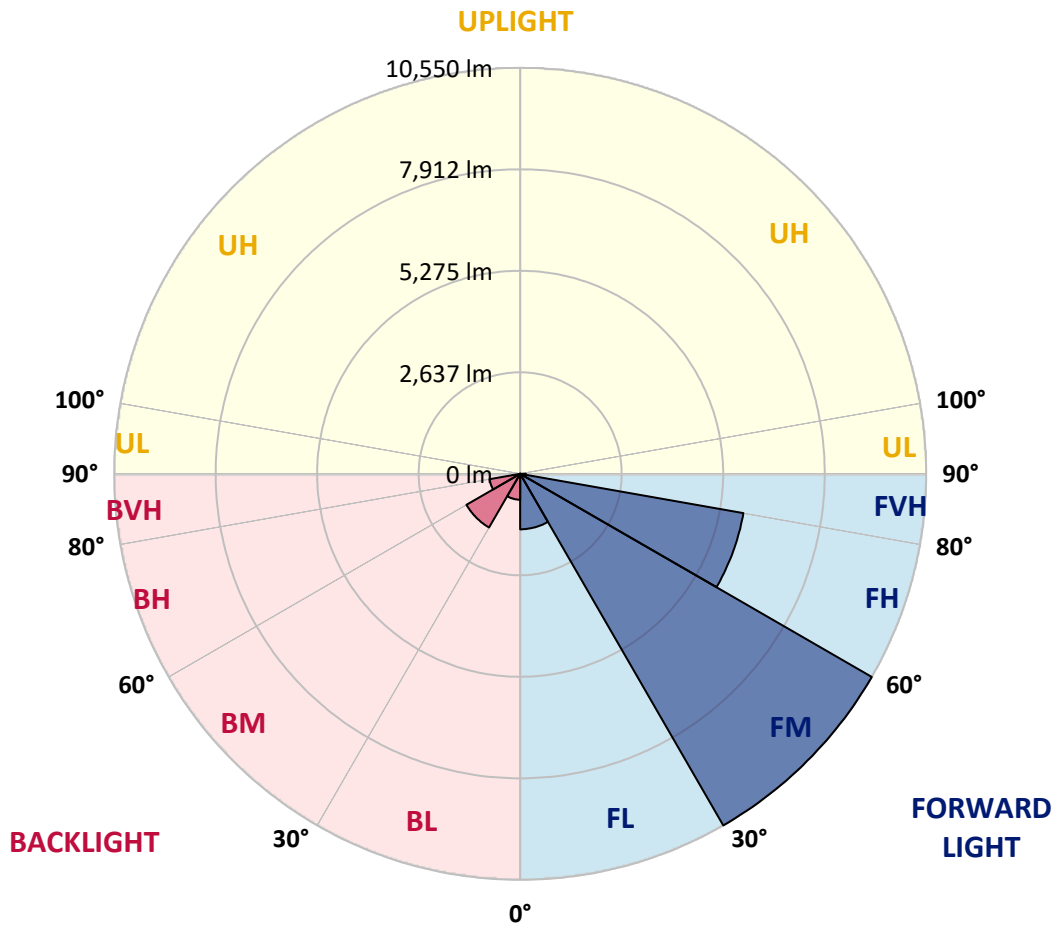
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1442.1	6.8			
FM (30°-60°)	10549.8	49.9			
FH (60°-80°)	5889.8	27.9			G3/7500
FVH (80°-90°)	138.9	0.7			G2/225
BL (0°-30°)	672.0	3.2	B2/1000		
BM (30°-60°)	1611.5	7.6	B2/2500		
BH (60°-80°)	810.7	3.8	B2/1000		G2/1000
BVH (80°-90°)	11.1	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°	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3
2.5°	2668.4	2661.1	2671.3	2666.9	2664.0	2658.2	2655.3	2652.4	2646.6	2642.2
5°	2675.7	2671.3	2681.5	2690.2	2698.9	2707.6	2712.0	2717.8	2712.0	2700.4
7.5°	2614.6	2611.7	2633.5	2659.7	2698.9	2732.3	2768.7	2789.0	2790.5	2786.1
10°	2610.3	2603.0	2624.8	2656.8	2707.6	2767.2	2831.2	2874.8	2880.6	2899.5
12.5°	2678.6	2671.3	2701.8	2736.7	2789.0	2851.5	2930.0	2991.0	2999.8	3025.9
15°	2793.4	2783.2	2818.1	2863.1	2930.0	3001.2	3084.1	3139.3	3146.5	3178.5
17.5°	2927.1	2916.9	2957.6	3005.6	3078.2	3175.6	3271.5	3332.6	3341.3	3361.6
20°	3098.6	3085.5	3117.5	3161.1	3238.1	3354.4	3469.2	3556.4	3554.9	3554.9
22.5°	3297.7	3277.4	3305.0	3339.8	3412.5	3553.5	3706.1	3809.3	3809.3	3768.6
25°	3511.3	3491.0	3521.5	3553.5	3617.4	3777.3	3956.1	4084.0	4089.8	4020.0
27.5°	3778.8	3752.6	3775.9	3813.6	3851.4	4014.2	4226.4	4374.6	4377.6	4270.0
30°	4293.3	4219.1	4146.5	4105.8	4123.2	4284.5	4511.3	4675.5	4690.0	4541.8
32.5°	5235.0	5220.5	4964.7	4630.4	4456.0	4575.2	4829.6	5027.2	5035.9	4845.5
35°	6698.6	6681.1	6269.8	5633.3	5065.0	4964.7	5216.1	5450.1	5444.3	5229.2
37.5°	8445.5	8429.6	7887.4	7035.8	6115.8	5553.3	5714.7	5960.3	5996.6	5714.7
40°	9938.2	9878.6	9535.6	8714.4	7511.0	6530.0	6423.9	6586.7	6624.5	6290.2
42.5°	11068.9	11018.0	10843.6	10330.6	9199.8	7974.6	7259.6	7322.1	7364.2	6963.1
45°	11654.6	11643.0	11712.7	11664.8	10920.6	9747.8	8454.3	8194.1	8210.1	7708.7
47.5°	11737.4	11731.6	12049.9	12500.4	12400.2	11747.6	9987.6	9281.2	9224.5	8550.2
50°	11249.1	11237.5	11847.9	12692.3	13388.5	13427.7	11728.7	10506.4	10381.4	9420.8
52.5°	9689.6	9686.7	10689.5	12095.0	13735.8	14898.5	13449.5	11852.2	11643.0	10342.2
55°	7455.8	7509.6	8659.2	10320.4	13102.1	15606.3	14994.4	13346.3	13025.1	11269.4
57.5°	5281.6	5360.0	6496.6	7976.1	11137.2	15187.7	16039.4	14843.3	14497.4	12193.8
60°	2837.0	2906.7	4044.7	5810.6	8285.7	13626.8	16590.2	16142.6	15815.6	13071.6
62.5°	1690.3	1713.5	2184.4	3751.2	5604.2	10410.5	16356.2	17132.3	16863.5	13808.5
65°	1213.6	1217.9	1454.8	2290.5	3402.3	6325.1	14715.4	17606.1	17523.3	14363.7
67.5°	1021.7	1018.8	1117.6	1521.7	2318.1	3168.3	11278.2	16936.1	17287.8	14715.4
70°	876.4	880.7	997.0	1114.7	1742.6	1793.5	5607.1	14745.9	15495.8	14808.4
72.5°	652.6	667.1	774.6	1015.9	1315.3	1233.9	1935.9	10933.7	12289.7	13952.4
75°	460.7	468.0	545.0	854.6	981.0	898.2	988.3	5652.2	7390.4	10696.8
77.5°	354.6	367.7	412.8	597.3	966.5	630.8	604.6	1956.2	3005.6	6461.7
80°	191.8	215.1	297.9	431.7	678.7	446.2	299.4	779.0	1018.8	3021.6
82.5°	98.8	110.5	207.8	311.0	386.6	389.5	148.2	324.1	420.0	933.1
85°	39.2	48.0	139.5	171.5	199.1	191.8	66.9	130.8	151.2	258.7
87.5°	8.7	14.5	50.9	39.2	37.8	40.7	16.0	30.5	29.1	30.5
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°
2607.3	0°	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3	2607.3
2624.8	2.5°	2623.3	2617.5	2601.5	2584.1	2563.7	2552.1	2544.9	2543.4	2533.2	2526.0
2682.9	5°	2666.9	2661.1	2630.6	2594.3	2555.0	2524.5	2495.4	2469.3	2431.5	2424.2
2767.2	7.5°	2754.1	2738.2	2688.7	2639.3	2565.2	2476.5	2369.0	2245.5	2135.0	2101.6
2879.1	10°	2861.7	2839.9	2777.4	2690.2	2526.0	2284.7	2024.5	1783.3	1591.4	1537.7
3011.4	12.5°	2983.8	2964.9	2882.0	2720.7	2361.7	1924.3	1526.0	1226.6	1040.6	994.1
3152.4	15°	3129.1	3101.5	2986.7	2674.2	2068.1	1462.1	1047.9	870.6	803.7	795.0
3313.7	17.5°	3283.2	3238.1	3079.7	2507.1	1672.8	1039.2	809.5	758.7	729.6	720.9
3476.5	20°	3424.1	3366.0	3134.9	2254.2	1249.9	809.5	725.2	691.8	665.6	655.5
3639.2	22.5°	3565.1	3482.3	3134.9	1909.7	937.4	718.0	665.6	635.1	604.6	591.5
3813.6	25°	3711.9	3601.5	3079.7	1526.0	754.3	658.4	609.0	575.5	549.4	533.4
3979.3	27.5°	3854.3	3701.7	2953.2	1162.7	671.5	606.1	556.6	524.7	500.0	488.3
4159.5	30°	3989.5	3800.6	2775.9	882.2	617.7	555.2	508.7	481.1	456.4	444.7
4393.5	32.5°	4172.6	3925.6	2587.0	723.8	571.2	507.2	465.1	438.9	417.1	408.4
4697.3	35°	4427.0	4110.1	2424.2	710.7	531.9	468.0	425.8	401.1	379.3	372.1
5089.7	37.5°	4787.4	4408.1	2338.5	797.9	500.0	433.1	393.9	367.7	347.4	341.5
5588.2	40°	5232.1	4812.1	2385.0	885.1	478.2	402.6	364.8	338.6	321.2	313.9
6160.8	42.5°	5759.7	5310.6	2642.2	952.0	463.6	376.4	337.2	308.1	296.5	293.6
6810.5	45°	6365.8	5858.5	3036.1	1023.2	440.4	351.7	309.6	287.8	279.0	277.6
7516.8	47.5°	7054.7	6460.2	3492.5	1111.8	417.1	328.5	287.8	273.2	266.0	263.1
8253.7	50°	7737.7	7066.3	3961.9	1161.2	398.2	306.7	270.3	258.7	252.9	251.4
9032.7	52.5°	8452.8	7689.8	4341.2	1114.7	382.2	289.2	255.8	247.1	241.3	239.8
9750.7	55°	9134.4	8194.1	4406.6	946.1	350.3	271.8	239.8	235.4	228.2	228.2
10478.8	57.5°	9721.6	8447.0	3944.4	694.7	318.3	245.6	223.8	219.5	213.6	212.2
11135.7	60°	10260.8	8374.3	3044.8	468.0	283.4	219.5	203.5	200.6	194.8	187.5
11706.9	62.5°	10564.6	8054.6	2082.7	305.2	248.5	191.8	180.2	178.8	165.7	151.2
12129.8	65°	10679.4	7397.7	1299.3	222.4	207.8	164.2	155.5	152.6	133.7	117.7
12369.6	67.5°	10579.1	6316.4	655.5	175.9	164.2	136.6	127.9	127.9	114.8	100.3
12355.1	70°	10178.0	4735.1	276.1	141.0	126.4	104.6	104.6	110.5	97.4	81.4
11714.2	72.5°	9307.4	3185.8	146.8	107.5	94.5	74.1	85.7	90.1	77.0	61.0
9587.9	75°	7399.1	1943.2	101.7	79.9	59.6	52.3	65.4	68.3	52.3	40.7
6573.6	77.5°	5060.6	1116.2	68.3	50.9	37.8	30.5	45.1	42.1	27.6	18.9
2534.7	80°	2222.2	465.1	39.2	23.3	14.5	11.6	16.0	11.6	8.7	5.8
347.4	82.5°	260.2	109.0	14.5	8.7	5.8	2.9	1.5	0.0	0.0	0.0
106.1	85°	53.8	13.1	7.3	2.9	1.5	0.0	0.0	0.0	0.0	0.0
18.9	87.5°	10.2	2.9	1.5	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

<u>180°</u>
2607.3
2533.2
2421.3
2085.6
1517.3
981.0
786.3
716.5
649.7
584.3
527.6
488.3
446.2
408.4
372.1
340.1
312.5
293.6
276.1
263.1
251.4
239.8
226.7
210.7
186.0
148.2
116.3
98.8
79.9
61.0
39.2
20.3
5.8
0.0
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