

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: P942616

Luminaire Tested: **GALN-SB6C-950-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-950-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24777 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

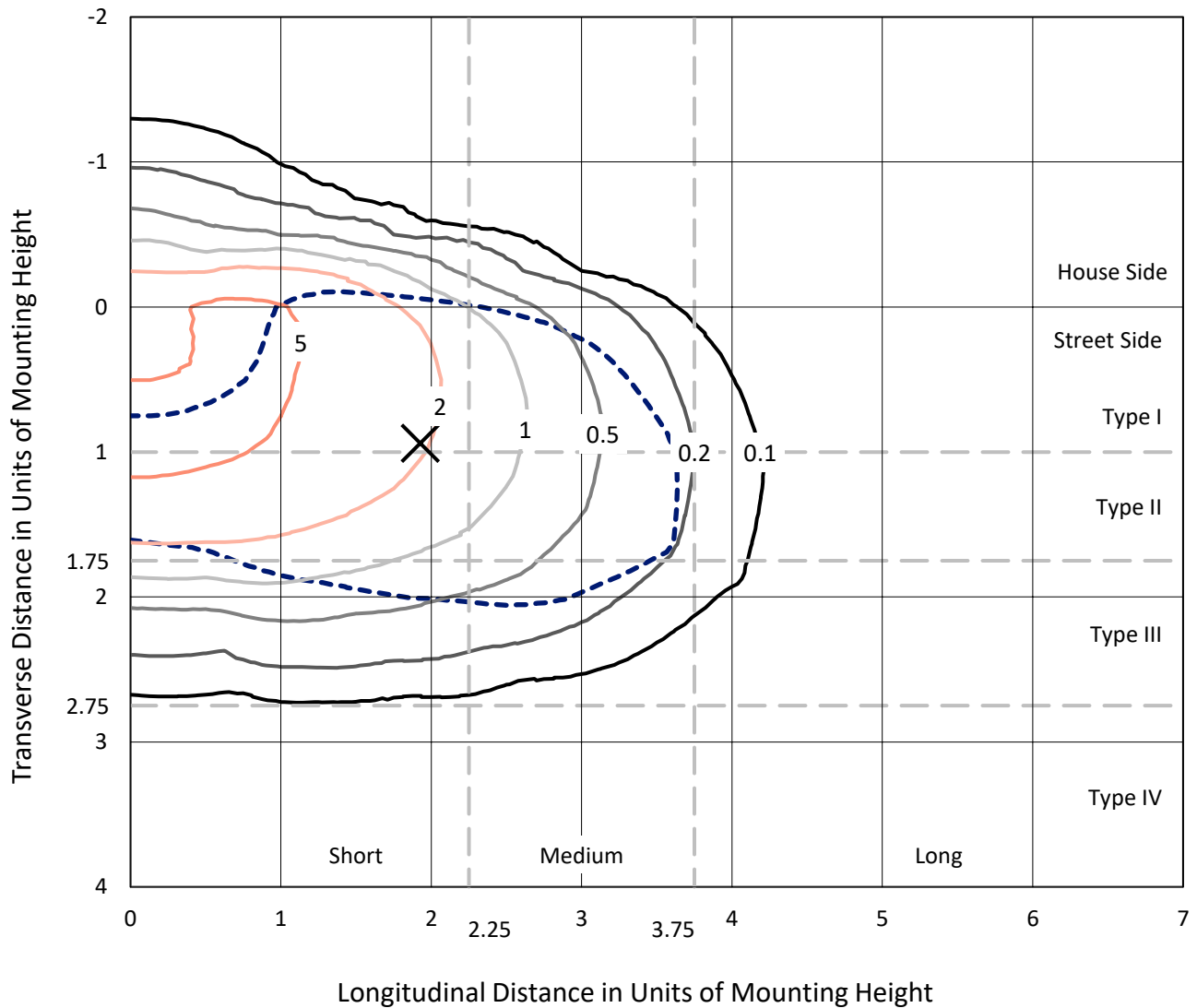
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

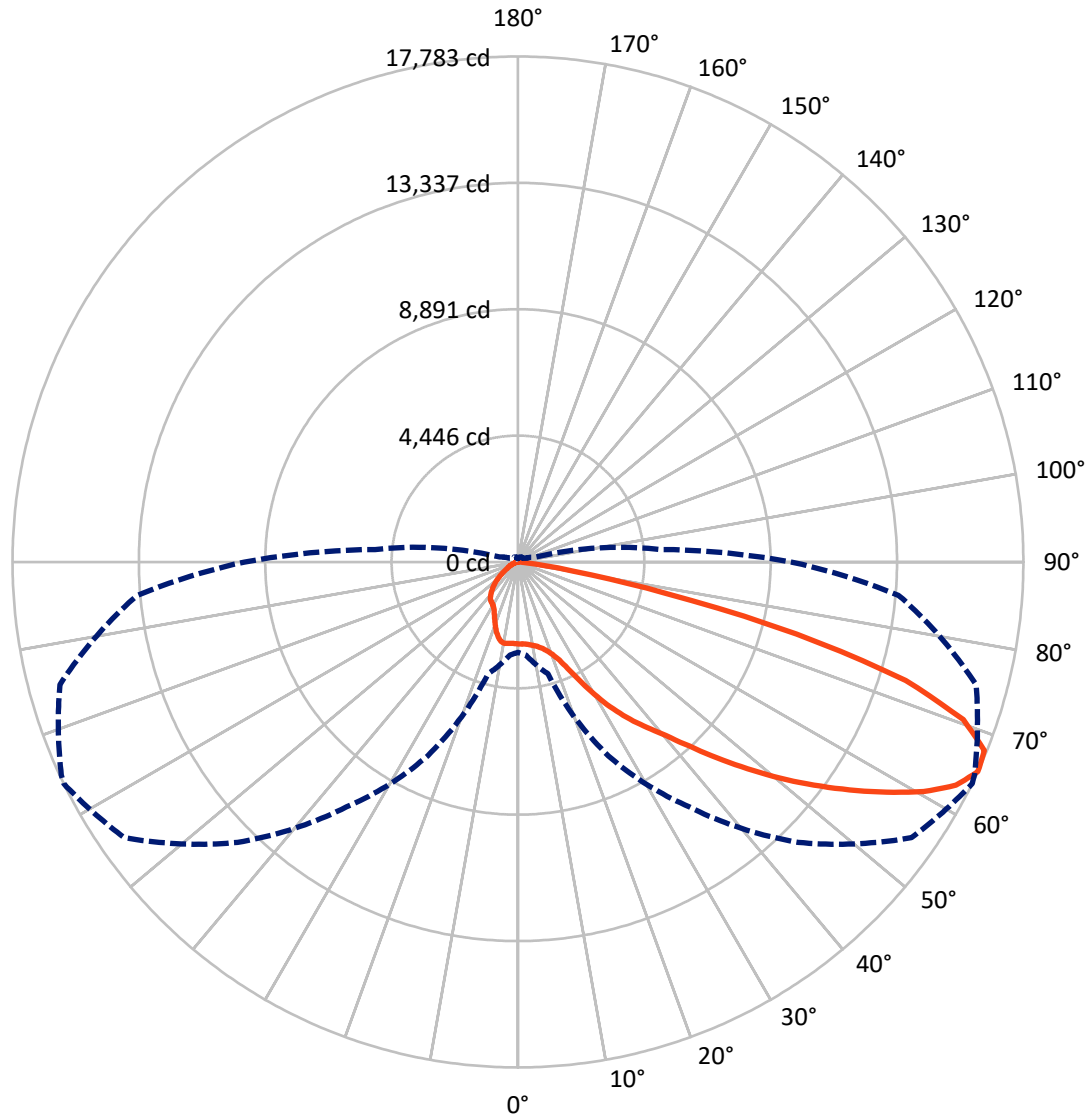
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3313.4	0.0	3313.4
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21463.6	0.0	21463.6
	% Fixture	86.6	0.0	86.6
Total	Lumens	24777.0	0.0	24777.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.9	1.1
10°-20°	721.1	2.9
20°-30°	1366.5	5.5
30°-40°	2765.1	11.2
40°-50°	4710.4	19.0
50°-60°	6405.8	25.9
60°-70°	6015.4	24.3
70°-80°	2410.0	9.7
80°-90°	116.8	0.5
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°	24777.0	100.0
0°-180°	24777.0	100.0

Coefficient of Utilization



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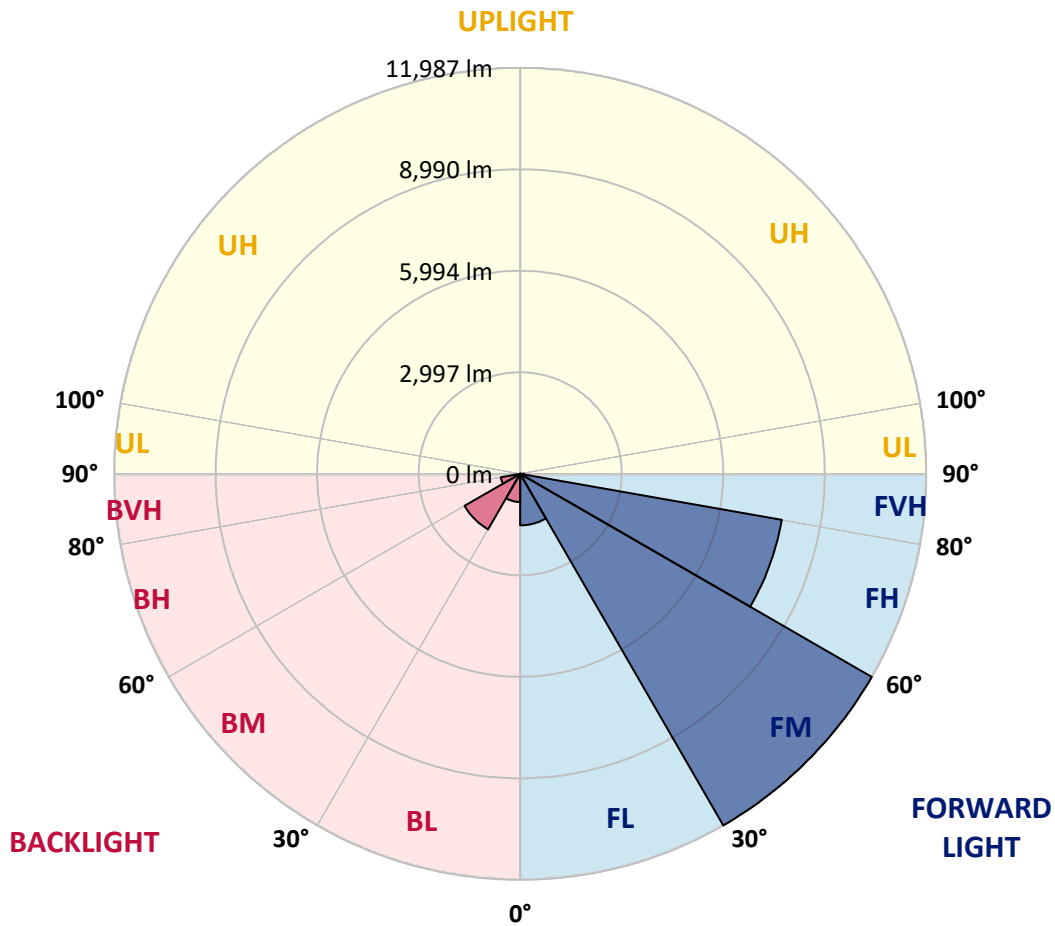
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1521.6	6.1			
FM (30°-60°)	11987.1	48.4			
FH (60°-80°)	7843.8	31.7			G4/12000
FVH (80°-90°)	111.1	0.4			G2/225
BL (0°-30°)	831.9	3.4	B2/1000		
BM (30°-60°)	1894.3	7.6	B2/2500		
BH (60°-80°)	581.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8
2.5°	2871.9	2891.8	2886.8	2881.8	2880.2	2883.5	2885.1	2883.5	2883.5	2883.5
5°	2817.0	2833.7	2833.7	2845.3	2861.9	2881.8	2896.8	2900.1	2903.4	2908.4
7.5°	2712.4	2725.7	2735.7	2773.9	2815.4	2868.5	2913.4	2936.6	2940.0	2958.2
10°	2641.0	2657.6	2674.2	2714.1	2773.9	2853.6	2930.0	2986.5	2994.8	3038.0
12.5°	2637.7	2654.3	2675.9	2719.0	2788.8	2873.5	2966.5	3047.9	3062.9	3126.0
15°	2672.5	2692.5	2712.4	2765.6	2840.3	2943.3	3042.9	3144.3	3159.2	3248.9
17.5°	2744.0	2770.5	2785.5	2838.6	2918.4	3033.0	3164.2	3280.5	3293.7	3398.4
20°	2885.1	2916.7	2921.7	2964.9	3042.9	3165.9	3322.0	3466.5	3483.1	3602.7
22.5°	3177.5	3222.3	3182.5	3204.1	3273.8	3396.7	3566.2	3748.9	3772.1	3908.3
25°	3692.4	3755.5	3652.5	3616.0	3645.9	3773.8	3986.4	4217.3	4243.8	4353.5
27.5°	4703.9	4622.5	4466.4	4313.6	4223.9	4297.0	4536.2	4821.9	4855.1	4961.4
30°	5815.1	5743.7	5532.8	5193.9	4981.3	4969.7	5190.6	5509.5	5547.7	5649.0
32.5°	6928.0	6859.9	6630.7	6213.8	5845.0	5662.3	5815.1	6168.9	6188.9	6253.6
35°	8022.6	7952.8	7723.6	7296.7	6843.3	6428.0	6398.1	6796.8	6803.4	6871.5
37.5°	9123.8	9065.7	8821.5	8403.0	7956.2	7383.1	7105.7	7391.4	7399.7	7466.2
40°	9909.5	9934.4	9766.6	9442.7	9059.1	8432.9	7899.7	8024.3	7974.4	8085.7
42.5°	10583.8	10633.7	10487.5	10324.7	10102.2	9550.7	8883.0	8861.4	8781.7	8841.5
45°	11166.9	11208.4	11077.2	11039.0	11034.0	10647.0	9957.7	9828.1	9716.8	9705.2
47.5°	11381.1	11460.8	11517.3	11645.2	11894.4	11731.6	11068.9	10867.9	10743.3	10651.9
50°	11462.5	11547.2	11739.9	12112.0	12701.6	12771.4	12175.1	11949.2	11796.4	11630.3
52.5°	11352.9	11504.0	11763.2	12389.3	13244.8	13605.2	13236.5	13038.8	12864.4	12593.6
55°	10706.8	10857.9	11387.8	12386.0	13515.5	14189.9	14239.7	14151.7	13955.7	13528.8
57.5°	9344.7	9569.0	10407.8	11964.1	13510.5	14693.1	15223.0	15286.1	15066.9	14455.6
60°	7457.9	7761.8	8785.0	11029.0	13093.6	14965.5	16085.1	16400.6	16168.1	15369.2
62.5°	5203.9	5556.0	6524.4	9564.0	12140.2	14769.5	16714.6	17297.6	17121.5	16186.4
65°	3174.2	3287.1	4067.8	7526.0	10519.1	13949.0	16908.9	17782.6	17724.5	16686.3
67.5°	2114.4	2209.1	2433.4	5160.7	8165.4	12309.6	16443.8	17697.9	17714.5	16604.9
70°	1274.0	1355.4	1501.5	3001.4	5291.9	9743.4	15003.7	16618.2	16714.6	15517.0
72.5°	524.9	579.7	712.6	1360.4	2740.6	6183.9	11947.5	14267.9	14492.2	13047.1
75°	297.3	325.6	418.6	682.7	1189.3	2881.8	7236.9	10128.7	10459.3	8992.6
77.5°	197.7	210.9	270.7	441.8	669.4	983.3	3092.8	5277.0	5908.2	4911.6
80°	132.9	144.5	186.0	295.7	435.2	421.9	985.0	1955.0	2405.1	1687.6
82.5°	89.7	91.4	132.9	194.3	275.7	204.3	290.7	607.9	764.1	488.3
85°	51.5	49.8	98.0	112.9	122.9	84.7	88.0	182.7	239.2	206.0
87.5°	6.6	10.0	38.2	29.9	16.6	18.3	18.3	31.6	46.5	49.8
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°
2881.8	0°	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8	2881.8
2885.1	2.5°	2885.1	2883.5	2878.5	2873.5	2861.9	2855.2	2858.6	2855.2	2853.6	2855.2
2906.7	5°	2906.7	2901.8	2888.5	2871.9	2848.6	2820.4	2802.1	2775.5	2750.6	2735.7
2964.9	7.5°	2964.9	2959.9	2941.6	2895.1	2820.4	2702.4	2594.5	2499.8	2428.4	2386.8
3057.9	10°	3057.9	3049.6	3021.3	2918.4	2722.4	2464.9	2250.6	2072.9	1956.6	1901.8
3167.5	12.5°	3167.5	3157.5	3107.7	2896.8	2536.3	2134.4	1838.7	1641.1	1533.1	1484.9
3293.7	15°	3297.1	3283.8	3185.8	2793.8	2265.6	1769.0	1498.2	1350.4	1280.6	1237.4
3454.9	17.5°	3458.2	3434.9	3243.9	2639.3	1971.6	1489.9	1288.9	1177.6	1116.2	1074.7
3665.8	20°	3667.5	3629.3	3290.4	2454.9	1700.9	1313.8	1147.7	1054.7	1008.2	971.7
3964.8	22.5°	3959.8	3905.0	3346.9	2255.6	1509.8	1192.6	1043.1	975.0	936.8	895.3
4381.7	25°	4321.9	4257.1	3416.7	2071.3	1378.6	1088.0	966.7	910.2	865.4	817.2
4928.2	27.5°	4828.5	4712.2	3499.7	1920.1	1265.7	998.3	896.9	833.8	782.3	742.5
5547.7	30°	5393.2	5202.2	3572.8	1828.8	1162.7	915.2	805.6	742.5	694.3	666.1
6104.1	32.5°	5928.1	5669.0	3621.0	1788.9	1069.7	820.5	705.9	637.8	601.3	593.0
6649.0	35°	6433.0	6090.9	3616.0	1750.7	986.6	725.9	607.9	538.2	509.9	514.9
7235.3	37.5°	7014.4	6541.0	3581.1	1690.9	918.5	639.5	523.2	461.8	436.8	438.5
7947.9	40°	7690.4	7060.9	3559.5	1577.9	843.8	559.8	453.5	403.6	385.4	378.7
8698.6	42.5°	8411.3	7564.2	3562.8	1450.0	750.8	488.3	405.3	363.8	347.1	342.2
9534.1	45°	9135.5	8044.2	3567.8	1317.2	652.8	433.5	370.4	335.5	325.6	318.9
10381.2	47.5°	9816.5	8452.8	3474.8	1174.3	556.4	392.0	342.2	318.9	310.6	302.3
11231.6	50°	10451.0	8725.2	3250.6	1008.2	480.0	358.8	320.6	304.0	295.7	287.4
12002.3	52.5°	10944.3	8768.4	2880.2	837.1	426.9	333.9	307.3	292.3	282.4	274.1
12625.2	55°	11163.5	8497.6	2353.6	677.7	385.4	312.3	294.0	279.0	267.4	259.1
13115.2	57.5°	11107.1	7927.9	1835.4	544.8	345.5	290.7	277.4	267.4	254.1	240.8
13512.2	60°	10829.7	7165.5	1383.6	453.5	308.9	267.4	259.1	250.8	232.5	212.6
13665.0	62.5°	10349.6	6207.1	986.6	375.4	269.1	240.8	237.5	230.9	204.3	167.8
13439.1	65°	9615.5	5042.8	664.4	312.3	230.9	210.9	212.6	201.0	166.1	124.6
12611.9	67.5°	8542.5	3687.4	425.2	255.8	192.7	176.1	177.7	171.1	141.2	106.3
11043.9	70°	7175.5	2441.7	277.4	194.3	154.5	136.2	146.2	147.8	119.6	86.4
8476.0	72.5°	5260.4	1441.7	194.3	144.5	112.9	94.7	119.6	122.9	96.3	64.8
5099.2	75°	2998.1	684.3	146.2	104.6	69.8	66.4	93.0	93.0	66.4	43.2
2207.5	77.5°	1259.0	285.7	103.0	68.1	39.9	38.2	63.1	58.1	33.2	19.9
538.2	80°	363.8	127.9	54.8	33.2	16.6	14.9	24.9	18.3	8.3	3.3
204.3	82.5°	142.8	56.5	21.6	13.3	6.6	6.6	3.3	0.0	0.0	0.0
116.3	85°	84.7	23.3	10.0	5.0	1.7	0.0	0.0	0.0	0.0	0.0
24.9	87.5°	21.6	5.0	3.3	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°
2881.8
2861.9
2739.0
2388.5
1896.9
1479.9
1239.1
1071.3
965.0
888.6
812.2
734.2
661.1
598.0
514.9
445.1
377.0
340.5
318.9
302.3
287.4
272.4
257.5
239.2
209.3
164.4
121.3
101.3
83.0
61.5
39.9
19.9
3.3
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