

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: P952657

Luminaire Tested: **GALN-SB6B-940-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952657
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-940-U-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 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: 18911 lumens
Efficiency: N/A
Efficacy: 85.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

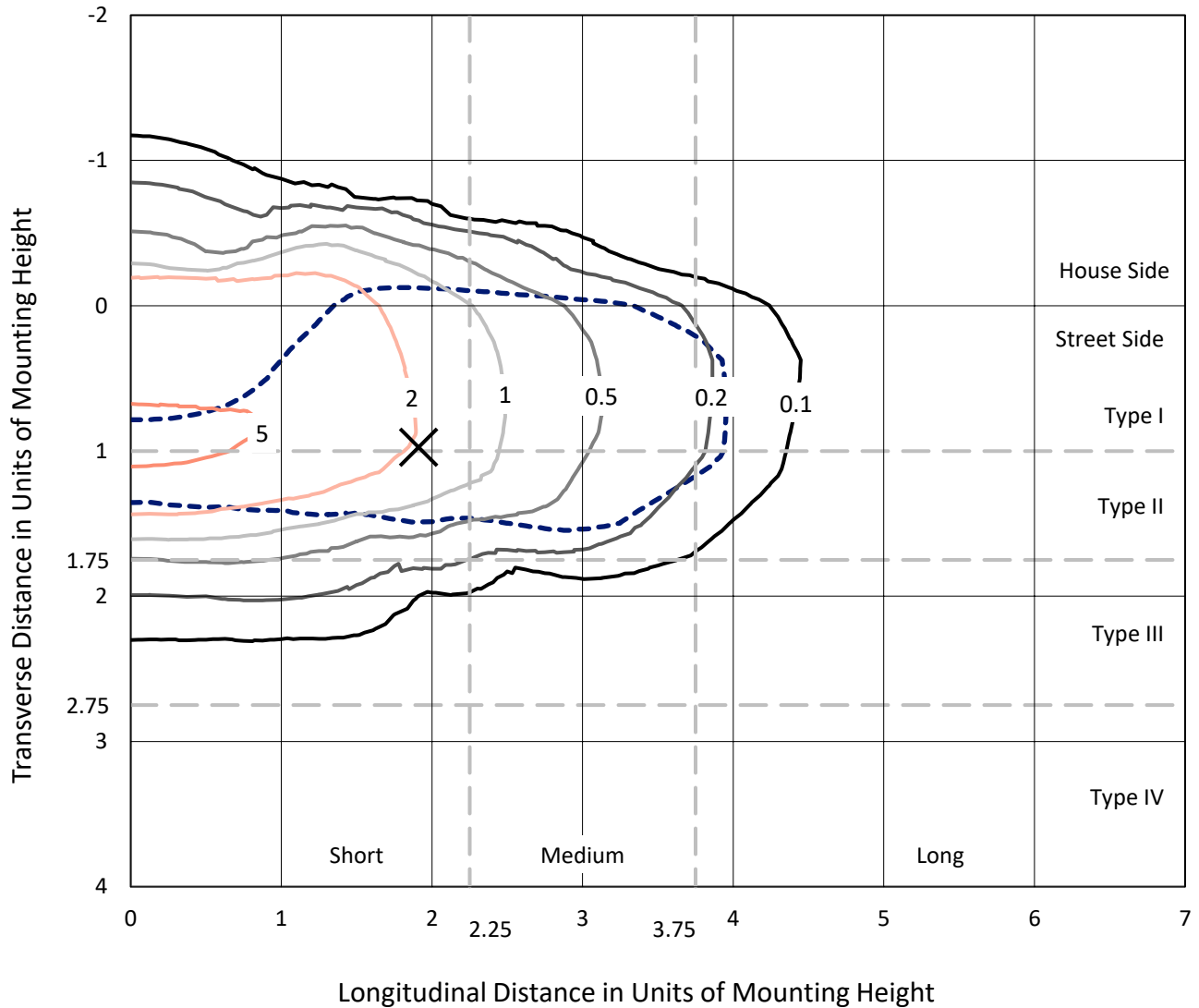
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P952657
 CATALOG NUMBER: GALN-SB6B-940-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

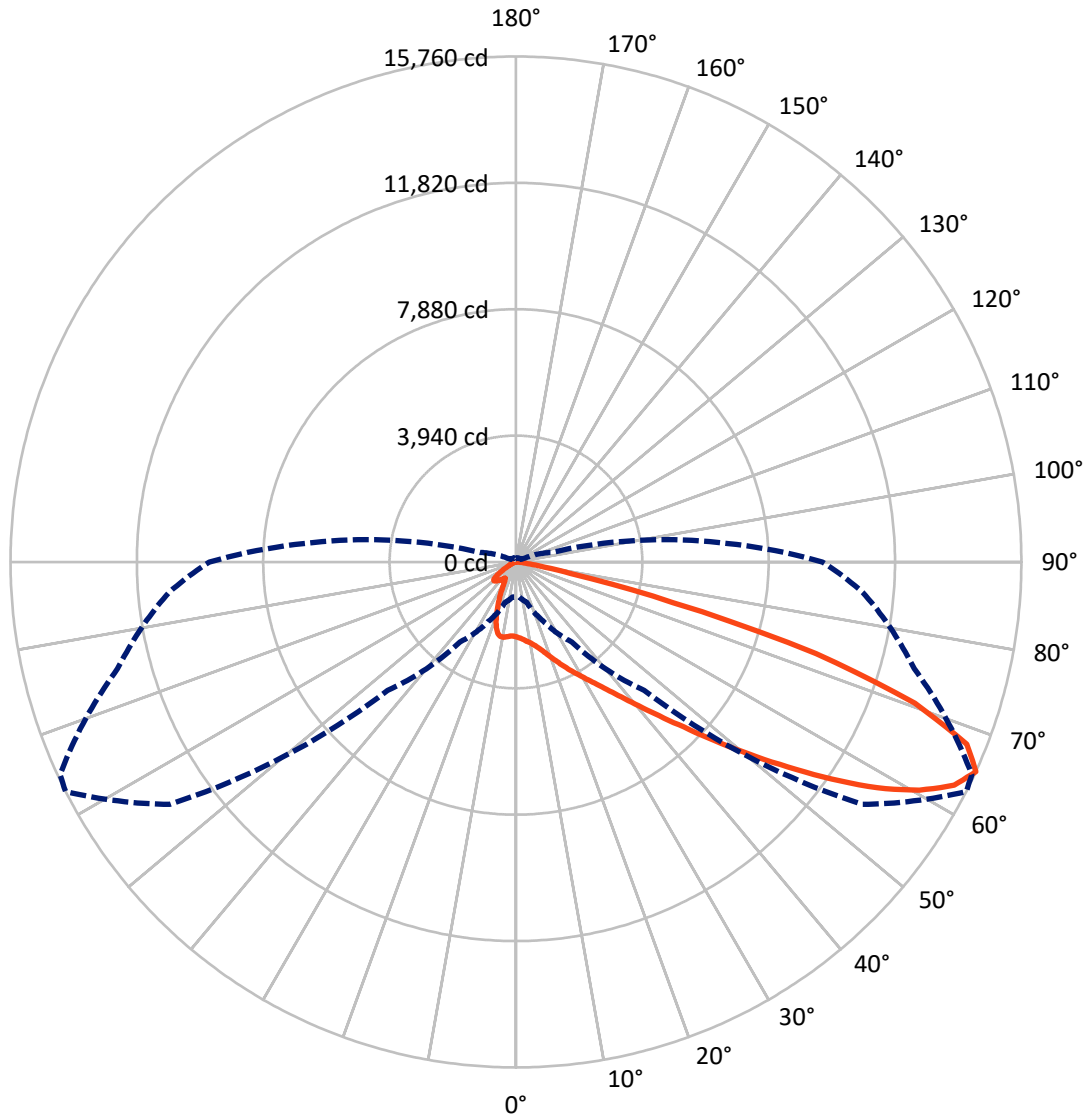
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type II - Short - N/A

REPORT NUMBER: P952657
CATALOG NUMBER: GALN-SB6B-940-U-T2U-HSS

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	2779.8	0.0	2779.8
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	16131.2	0.0	16131.2
	% Fixture	85.3	0.0	85.3
Total	Lumens	18911.0	0.0	18911.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	219.9	1.2
10°-20°	610.2	3.2
20°-30°	1062.4	5.6
30°-40°	1914.9	10.1
40°-50°	3797.9	20.1
50°-60°	5173.4	27.4
60°-70°	4129.4	21.8
70°-80°	1868.6	9.9
80°-90°	134.3	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°	18911.0	100.0
0°-180°	18911.0	100.0

Coefficient of Utilization



REPORT NUMBER: P952657

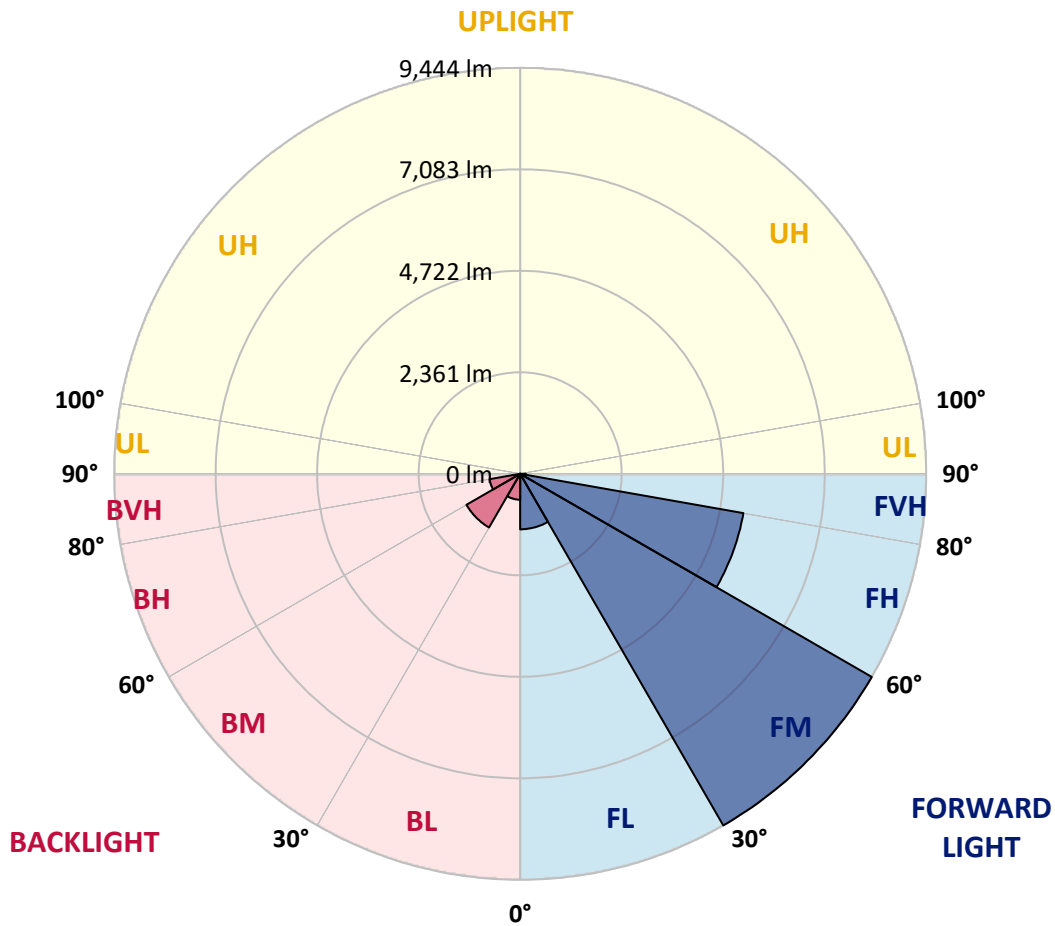
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1290.9	6.8			
FM (30°-60°)	9443.7	49.9			
FH (60°-80°)	5272.3	27.9			G3/7500
FVH (80°-90°)	124.3	0.7			G2/225
BL (0°-30°)	601.6	3.2	B2/1000		
BM (30°-60°)	1442.5	7.6	B2/2500		
BH (60°-80°)	725.7	3.8	B2/1000		G2/1000
BVH (80°-90°)	10.0	0.1			G0/10
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



REPORT NUMBER: P952657

CATALOG NUMBER: GALN-SB6B-940-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0
2.5°	2388.6	2382.1	2391.2	2387.3	2384.7	2379.5	2376.9	2374.3	2369.1	2365.2
5°	2395.1	2391.2	2400.3	2408.1	2415.9	2423.7	2427.6	2432.8	2427.6	2417.2
7.5°	2340.5	2337.9	2357.4	2380.8	2415.9	2445.9	2478.4	2496.6	2497.9	2494.0
10°	2336.6	2330.1	2349.6	2378.2	2423.7	2477.1	2534.3	2573.4	2578.6	2595.5
12.5°	2397.7	2391.2	2418.5	2449.8	2496.6	2552.5	2622.8	2677.4	2685.2	2708.7
15°	2500.5	2491.4	2522.6	2562.9	2622.8	2686.5	2760.7	2810.1	2816.6	2845.3
17.5°	2620.2	2611.1	2647.5	2690.4	2755.5	2842.7	2928.5	2983.2	2991.0	3009.2
20°	2773.7	2762.0	2790.6	2829.7	2898.6	3002.7	3105.5	3183.5	3182.2	3182.2
22.5°	2951.9	2933.7	2958.4	2989.7	3054.7	3180.9	3317.5	3409.9	3409.9	3373.5
25°	3143.2	3125.0	3152.3	3180.9	3238.2	3381.3	3541.3	3655.8	3661.0	3598.5
27.5°	3382.6	3359.2	3380.0	3413.8	3447.6	3593.3	3783.3	3916.0	3918.6	3822.3
30°	3843.1	3776.8	3711.7	3675.3	3690.9	3835.3	4038.3	4185.3	4198.3	4065.6
32.5°	4686.2	4673.2	4444.2	4145.0	3988.8	4095.5	4323.2	4500.1	4507.9	4337.5
35°	5996.3	5980.6	5612.5	5042.6	4533.9	4444.2	4669.3	4878.7	4873.5	4681.0
37.5°	7560.0	7545.7	7060.5	6298.1	5474.6	4971.1	5115.5	5335.4	5367.9	5115.5
40°	8896.2	8842.8	8535.8	7800.7	6723.5	5845.3	5750.4	5896.1	5929.9	5630.7
42.5°	9908.3	9862.8	9706.7	9247.4	8235.3	7138.5	6498.4	6554.4	6592.1	6233.0
45°	10432.6	10422.2	10484.7	10441.7	9775.6	8725.7	7567.9	7335.0	7349.3	6900.4
47.5°	10506.8	10501.6	10786.5	11189.8	11100.0	10515.9	8940.4	8308.1	8257.4	7653.7
50°	10069.7	10059.2	10605.7	11361.5	11984.7	12019.8	10499.0	9404.9	9293.0	8433.0
52.5°	8673.7	8671.1	9568.8	10826.8	12295.6	13336.4	12039.4	10609.6	10422.2	9257.8
55°	6674.1	6722.2	7751.3	9238.3	11728.4	13970.0	13422.3	11947.0	11659.5	10087.9
57.5°	4727.8	4798.0	5815.4	7139.8	9969.5	13595.3	14357.7	13287.0	12977.4	10915.3
60°	2539.5	2602.0	3620.7	5201.4	7416.9	12198.1	14850.8	14450.1	14157.4	11701.1
62.5°	1513.1	1533.9	1955.4	3357.9	5016.6	9319.0	14641.3	15336.1	15095.4	12360.7
65°	1086.3	1090.2	1302.3	2050.4	3045.6	5661.9	13172.5	15760.2	15686.0	12857.7
67.5°	914.6	912.0	1000.5	1362.1	2075.1	2836.2	10095.7	15160.4	15475.3	13172.5
70°	784.5	788.4	892.5	997.9	1559.9	1605.4	5019.2	13199.8	13871.1	13255.8
72.5°	584.1	597.2	693.4	909.4	1177.4	1104.5	1732.9	9787.3	11001.2	12489.5
75°	412.4	418.9	487.9	765.0	878.2	804.0	884.7	5059.5	6615.5	9575.3
77.5°	317.4	329.2	369.5	534.7	865.2	564.6	541.2	1751.1	2690.4	5784.2
80°	171.7	192.5	266.7	386.4	607.6	399.4	268.0	697.3	912.0	2704.8
82.5°	88.5	98.9	186.0	278.4	346.1	348.7	132.7	290.1	376.0	835.2
85°	35.1	42.9	124.9	153.5	178.2	171.7	59.8	117.1	135.3	231.6
87.5°	7.8	13.0	45.5	35.1	33.8	36.4	14.3	27.3	26.0	27.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P952657
 CATALOG NUMBER: GALN-SB6B-940-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2334.0	0°	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0	2334.0
2349.6	2.5°	2348.3	2343.1	2328.8	2313.2	2294.9	2284.5	2278.0	2276.7	2267.6	2261.1
2401.6	5°	2387.3	2382.1	2354.8	2322.3	2287.1	2259.8	2233.8	2210.4	2176.6	2170.1
2477.1	7.5°	2465.4	2451.1	2406.8	2362.6	2296.2	2216.9	2120.6	2010.0	1911.2	1881.2
2577.3	10°	2561.6	2542.1	2486.2	2408.1	2261.1	2045.2	1812.3	1596.3	1424.6	1376.4
2695.6	12.5°	2670.9	2654.0	2579.9	2435.5	2114.1	1722.5	1366.0	1098.0	931.5	889.9
2821.8	15°	2801.0	2776.3	2673.5	2393.8	1851.3	1308.8	938.0	779.3	719.4	711.6
2966.3	17.5°	2938.9	2898.6	2756.8	2244.2	1497.4	930.2	724.7	679.1	653.1	645.3
3112.0	20°	3065.1	3013.1	2806.2	2017.8	1118.9	724.7	649.2	619.3	595.9	586.7
3257.7	22.5°	3191.3	3117.2	2806.2	1709.5	839.1	642.7	595.9	568.5	541.2	529.5
3413.8	25°	3322.7	3223.9	2756.8	1366.0	675.2	589.3	545.1	515.2	491.8	477.5
3562.1	27.5°	3450.2	3313.6	2643.6	1040.8	601.1	542.5	498.3	469.7	447.5	437.1
3723.4	30°	3571.2	3402.1	2484.9	789.7	552.9	497.0	455.3	430.6	408.5	398.1
3932.9	32.5°	3735.1	3514.0	2315.8	647.9	511.3	454.0	416.3	392.9	373.4	365.6
4204.8	35°	3962.8	3679.2	2170.1	636.2	476.2	418.9	381.2	359.1	339.6	333.1
4556.1	37.5°	4285.5	3945.9	2093.3	714.2	447.5	387.7	352.6	329.2	310.9	305.7
5002.3	40°	4683.6	4307.6	2134.9	792.3	428.0	360.4	326.5	303.1	287.5	281.0
5514.9	42.5°	5155.8	4753.8	2365.2	852.1	415.0	337.0	301.8	275.8	265.4	262.8
6096.4	45°	5698.3	5244.3	2717.8	915.9	394.2	314.8	277.1	257.6	249.8	248.5
6728.7	47.5°	6315.0	5782.9	3126.3	995.3	373.4	294.0	257.6	244.6	238.1	235.5
7388.3	50°	6926.5	6325.4	3546.5	1039.5	356.5	274.5	242.0	231.6	226.4	225.1
8085.6	52.5°	7566.6	6883.5	3886.1	997.9	342.2	258.9	229.0	221.2	216.0	214.7
8728.3	55°	8176.7	7335.0	3944.6	846.9	313.5	243.3	214.7	210.8	204.3	204.3
9380.1	57.5°	8702.3	7561.3	3530.9	621.9	284.9	219.9	200.4	196.4	191.2	189.9
9968.2	60°	9185.0	7496.3	2725.6	418.9	253.7	196.4	182.1	179.5	174.3	167.8
10479.5	62.5°	9456.9	7210.1	1864.3	273.2	222.5	171.7	161.3	160.0	148.3	135.3
10858.1	65°	9559.7	6622.0	1163.1	199.1	186.0	147.0	139.2	136.6	119.7	105.4
11072.7	67.5°	9469.9	5654.1	586.7	157.4	147.0	122.3	114.5	114.5	102.8	89.8
11059.7	70°	9110.8	4238.6	247.2	126.2	113.2	93.7	93.7	98.9	87.2	72.9
10486.0	72.5°	8331.5	2851.8	131.4	96.3	84.6	66.4	76.8	80.7	69.0	54.6
8582.6	75°	6623.3	1739.4	91.1	71.6	53.3	46.8	58.5	61.1	46.8	36.4
5884.4	77.5°	4530.0	999.2	61.1	45.5	33.8	27.3	40.3	37.7	24.7	16.9
2268.9	80°	1989.2	416.3	35.1	20.8	13.0	10.4	14.3	10.4	7.8	5.2
310.9	82.5°	232.9	97.6	13.0	7.8	5.2	2.6	1.3	0.0	0.0	0.0
95.0	85°	48.1	11.7	6.5	2.6	1.3	0.0	0.0	0.0	0.0	0.0
16.9	87.5°	9.1	2.6	1.3	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°
2334.0
2267.6
2167.4
1866.9
1358.2
878.2
703.8
641.4
581.5
523.0
472.3
437.1
399.4
365.6
333.1
304.4
279.7
262.8
247.2
235.5
225.1
214.7
203.0
188.6
166.5
132.7
104.1
88.5
71.6
54.6
35.1
18.2
5.2
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