

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: P942168

Luminaire Tested: **GALN-SB6A-750-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942168
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-750-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21790 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

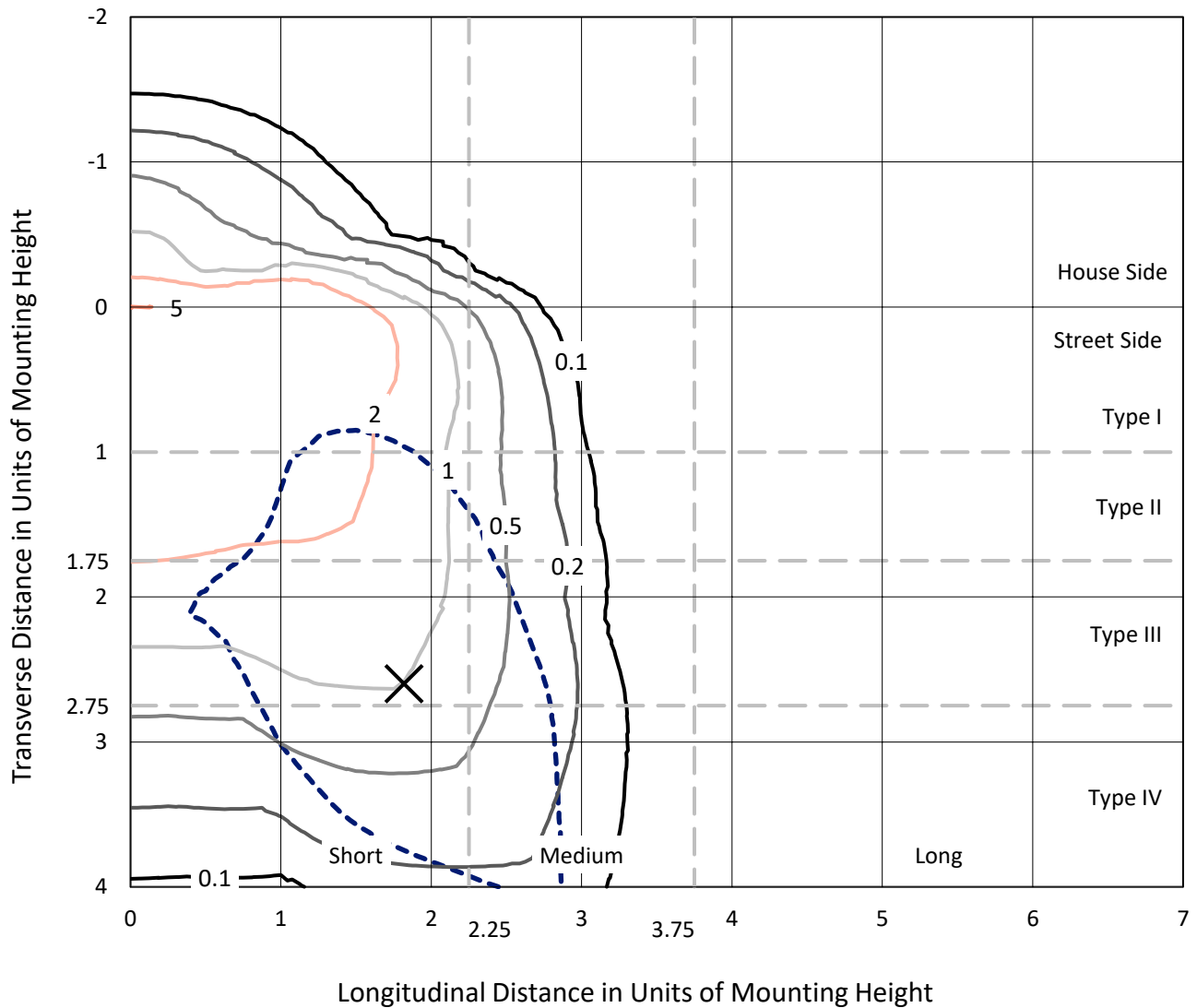
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

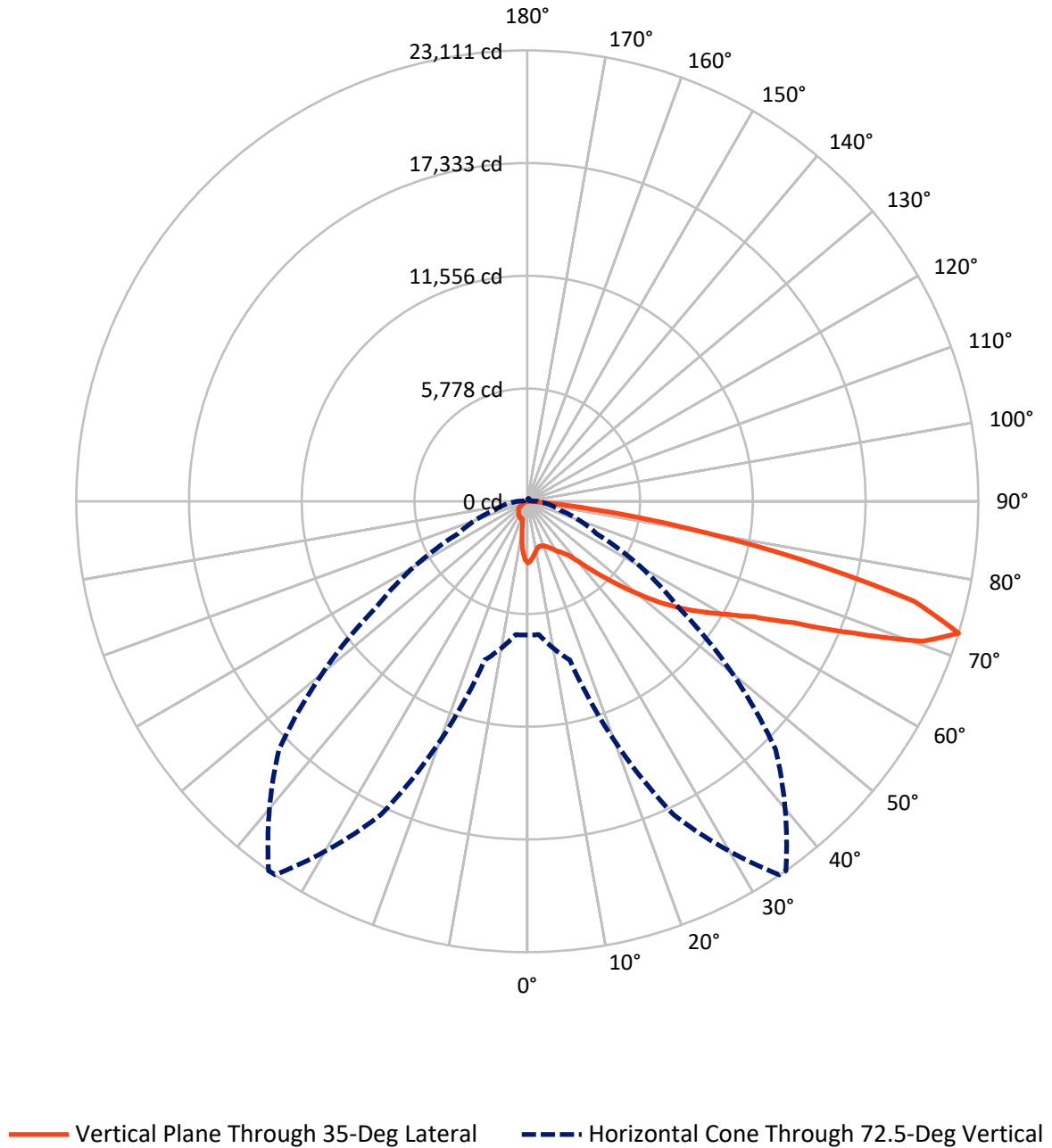
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2452.4	0.0	2452.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	19337.6	0.0	19337.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	21790.0	0.0	21790.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.5	1.2
10°-20°	607.1	2.8
20°-30°	986.2	4.5
30°-40°	1645.5	7.6
40°-50°	3113.3	14.3
50°-60°	4947.0	22.7
60°-70°	6119.8	28.1
70°-80°	3804.1	17.5
80°-90°	307.4	1.4
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°	21790.0	100.0
0°-180°	21790.0	100.0

Coefficient of Utilization



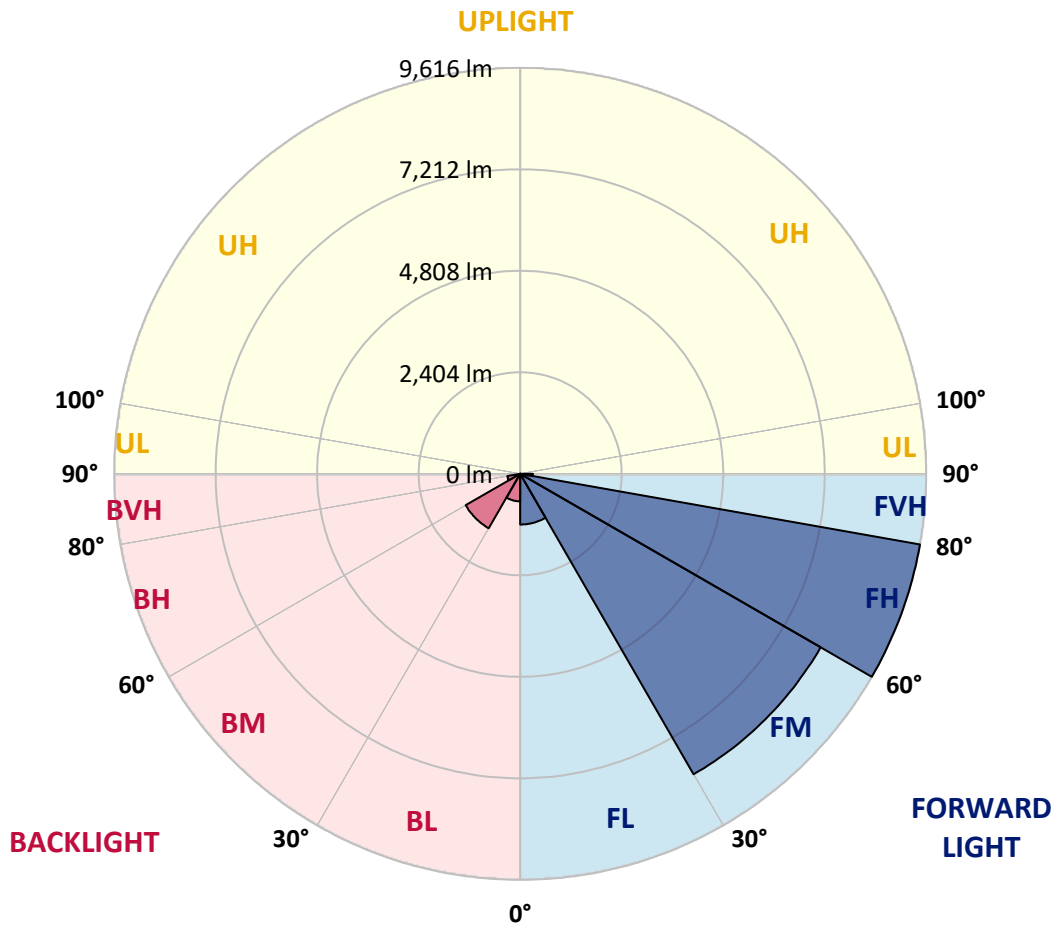
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1201.2	5.5			
FM (30°-60°)	8217.0	37.7			
FH (60°-80°)	9616.2	44.1			G4/12000
FVH (80°-90°)	303.2	1.4			G3/500
BL (0°-30°)	651.6	3.0	B2/1000		
BM (30°-60°)	1488.8	6.8	B2/2500		
BH (60°-80°)	307.7	1.4	B1/500		G1/500
BVH (80°-90°)	4.2	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1
2.5°	3017.6	3043.1	3047.9	3055.9	3055.9	3065.5	3081.5	3103.8	3140.5	3159.7
5°	2781.3	2800.5	2824.4	2843.6	2880.3	2885.1	2947.3	3008.0	3092.6	3156.5
7.5°	2543.4	2565.8	2597.7	2644.0	2691.9	2706.3	2800.5	2902.6	3036.8	3156.5
10°	2375.8	2377.4	2406.1	2452.4	2529.0	2546.6	2661.6	2806.8	2974.5	3137.3
12.5°	2281.6	2292.7	2305.5	2340.6	2414.1	2425.3	2548.2	2719.0	2912.2	3126.2
15°	2281.6	2289.5	2297.5	2315.1	2374.2	2383.7	2492.3	2663.2	2880.3	3131.0
17.5°	2305.5	2318.3	2311.9	2332.7	2394.9	2401.3	2497.1	2647.2	2878.7	3161.3
20°	2363.0	2372.6	2359.8	2372.6	2434.8	2447.6	2546.6	2677.5	2905.8	3214.0
22.5°	2454.0	2458.8	2428.4	2438.0	2501.9	2517.9	2632.8	2763.7	2971.3	3298.6
25°	2569.0	2578.5	2532.2	2543.4	2604.1	2623.2	2755.8	2893.1	3075.1	3415.2
27.5°	2701.5	2706.3	2666.3	2664.7	2743.0	2770.1	2904.2	3052.7	3214.0	3562.0
30°	2853.1	2867.5	2829.2	2822.8	2921.8	2944.2	3076.7	3249.1	3418.3	3782.4
32.5°	2972.9	2984.1	2961.7	2977.7	3078.3	3095.8	3285.8	3526.9	3739.3	4095.3
35°	3145.3	3151.7	3100.6	3129.4	3244.3	3289.0	3571.6	3916.5	4143.2	4488.1
37.5°	3769.6	3769.6	3552.5	3410.4	3520.5	3560.4	3962.8	4406.7	4641.4	5015.0
40°	4633.4	4619.0	4301.3	4010.7	3996.3	4074.6	4520.0	5024.5	5284.8	5647.2
42.5°	5554.6	5532.3	5099.6	4812.2	4764.3	4791.4	5163.4	5786.1	6051.2	6418.4
45°	6372.1	6365.7	5969.7	5583.4	5497.1	5583.4	5966.5	6677.0	6867.0	7253.4
47.5°	7057.0	7057.0	6768.0	6515.8	6471.1	6522.2	7053.8	7665.3	7647.8	8142.7
50°	7845.8	7839.4	7564.8	7456.2	7502.5	7574.3	8305.6	8706.3	8455.7	9016.1
52.5°	8398.2	8436.5	8342.3	8324.7	8561.0	8685.6	9576.5	9725.0	9178.9	9844.7
55°	8835.7	8880.4	8988.9	9111.9	9566.9	9729.8	10807.5	10690.9	9784.0	10563.2
57.5°	9455.1	9391.3	9558.9	9801.6	10537.6	10734.0	12000.1	11602.6	10271.0	11146.0
60°	10207.2	10216.7	10245.5	10552.0	11506.8	11759.1	13175.3	12464.8	10584.0	11503.6
62.5°	11110.8	11125.2	11184.3	11655.3	12808.0	13045.9	14427.0	13170.5	10727.6	11403.0
65°	11048.6	11109.2	11768.6	13379.6	14786.2	15020.9	15887.9	13665.4	10510.5	10483.4
67.5°	10065.1	10164.0	11267.3	15439.3	17768.7	18030.6	17653.8	13762.8	9573.3	8152.3
70°	8775.0	8810.1	10136.9	17291.3	21222.2	21487.2	19234.4	12691.5	7264.6	4547.2
72.5°	6852.7	6860.6	8417.3	17720.8	23096.6	23111.0	17993.8	9421.6	3906.9	1746.7
75°	4895.2	4847.3	5637.6	14371.1	20320.1	20483.0	13489.8	4419.4	1492.8	825.4
77.5°	2624.8	2677.5	3190.0	8522.7	14037.4	14315.2	7360.4	1274.1	760.0	562.0
80°	811.1	855.8	1307.6	3902.1	7951.1	8118.8	2728.6	566.8	530.1	400.7
82.5°	255.5	265.0	609.9	1639.7	3300.2	3376.8	790.3	320.9	362.4	265.0
85°	73.4	75.0	271.4	611.5	815.9	831.8	221.9	124.5	207.6	164.5
87.5°	8.0	25.5	102.2	102.2	71.8	70.3	23.9	27.1	59.1	20.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P942168
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3158.1	0°	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1	3158.1
3172.5	2.5°	3164.5	3166.1	3145.3	3110.2	3071.9	3040.0	3000.0	2968.1	2945.8	2939.4
3201.2	5°	3186.8	3175.7	3116.6	3009.6	2881.9	2771.7	2648.8	2551.4	2487.5	2460.4
3231.5	7.5°	3220.4	3188.4	3059.1	2848.4	2604.1	2386.9	2166.6	1995.8	1887.2	1832.9
3260.3	10°	3249.1	3185.2	2963.3	2615.3	2241.6	1912.7	1615.8	1409.8	1294.9	1240.6
3293.8	12.5°	3276.3	3183.6	2838.8	2339.0	1832.9	1430.6	1154.4	1052.2	1020.2	1009.1
3348.1	15°	3327.3	3188.4	2682.3	2022.9	1425.8	1080.9	980.3	978.7	985.1	981.9
3431.1	17.5°	3397.6	3193.2	2505.1	1687.6	1100.1	953.2	948.4	962.8	972.3	967.5
3534.9	20°	3488.6	3212.4	2316.7	1355.5	945.2	921.2	932.4	945.2	953.2	945.2
3673.8	22.5°	3616.3	3245.9	2110.7	1088.9	895.7	902.1	911.7	926.0	934.0	922.8
3851.0	25°	3772.8	3298.6	1908.0	946.8	871.8	879.7	894.1	910.1	919.6	908.5
4074.6	27.5°	3975.6	3383.2	1721.1	914.9	847.8	852.6	873.3	897.3	910.1	895.7
4392.3	30°	4269.3	3522.1	1559.9	929.2	833.4	822.3	851.0	884.5	898.9	886.1
4825.0	32.5°	4658.9	3718.5	1460.9	951.6	827.0	787.1	814.3	857.4	881.3	873.3
5390.2	35°	5169.8	4017.1	1422.6	977.1	822.3	750.4	769.6	815.9	857.4	865.4
6102.3	37.5°	5789.3	4432.2	1433.8	988.3	807.9	720.1	729.7	769.6	823.9	849.4
6903.8	40°	6493.4	4916.0	1497.6	977.1	791.9	694.5	696.1	726.5	774.4	812.7
7765.9	42.5°	7219.9	5481.2	1615.8	935.6	777.6	672.2	667.4	688.1	720.1	747.2
8626.5	45°	7911.2	6062.3	1732.3	878.1	760.0	649.8	638.6	646.6	653.0	664.2
9464.7	47.5°	8514.7	6471.1	1698.8	825.4	736.0	624.3	605.1	601.9	582.8	581.2
10213.5	50°	8931.5	6560.5	1508.8	772.8	700.9	595.5	565.2	546.0	512.5	496.5
10773.9	52.5°	9064.0	6207.6	1232.6	720.1	643.4	557.2	514.1	483.8	442.3	427.9
11096.5	55°	8888.3	5516.3	985.1	656.2	563.6	506.1	458.2	418.3	384.8	367.2
11131.6	57.5°	8458.9	4636.6	779.1	581.2	479.0	448.6	400.7	360.8	332.1	314.5
10742.0	60°	7746.8	3681.8	616.3	491.8	408.7	386.4	336.9	311.3	285.8	265.0
9736.1	62.5°	6665.9	2628.0	483.8	389.6	341.7	316.1	287.4	268.2	237.9	209.2
7927.2	65°	5201.8	1607.8	373.6	285.8	274.6	261.8	244.3	226.7	190.0	161.3
5171.4	67.5°	3281.0	761.6	266.6	215.5	217.1	210.8	202.8	188.4	161.3	135.7
2316.7	70°	1444.9	368.8	175.6	164.5	161.3	161.3	167.6	162.9	137.3	113.4
804.7	72.5°	491.8	198.0	130.9	124.5	116.6	115.0	140.5	135.7	110.2	87.8
400.7	75°	257.1	132.5	95.8	89.4	70.3	84.6	111.8	105.4	78.2	57.5
265.0	77.5°	167.6	94.2	65.5	57.5	39.9	55.9	83.0	73.4	46.3	28.7
174.0	80°	105.4	62.3	38.3	27.1	19.2	30.3	44.7	31.9	17.6	6.4
102.2	82.5°	55.9	31.9	14.4	9.6	8.0	9.6	11.2	8.0	3.2	0.0
52.7	85°	22.4	11.2	4.8	3.2	1.6	0.0	3.2	1.6	0.0	0.0
9.6	87.5°	8.0	1.6	0.0	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>
3158.1
2950.5
2470.0
1840.9
1242.2
1005.9
980.3
966.0
943.6
921.2
906.9
895.7
884.5
873.3
865.4
855.8
825.4
758.4
670.6
579.6
498.1
426.3
367.2
311.3
260.2
204.4
156.5
132.5
108.6
83.0
52.7
25.5
4.8
0.0
0.0
0.0
0.0

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