

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: P942208

Luminaire Tested: **GALN-SB6A-835-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942208
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-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 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: 19103 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

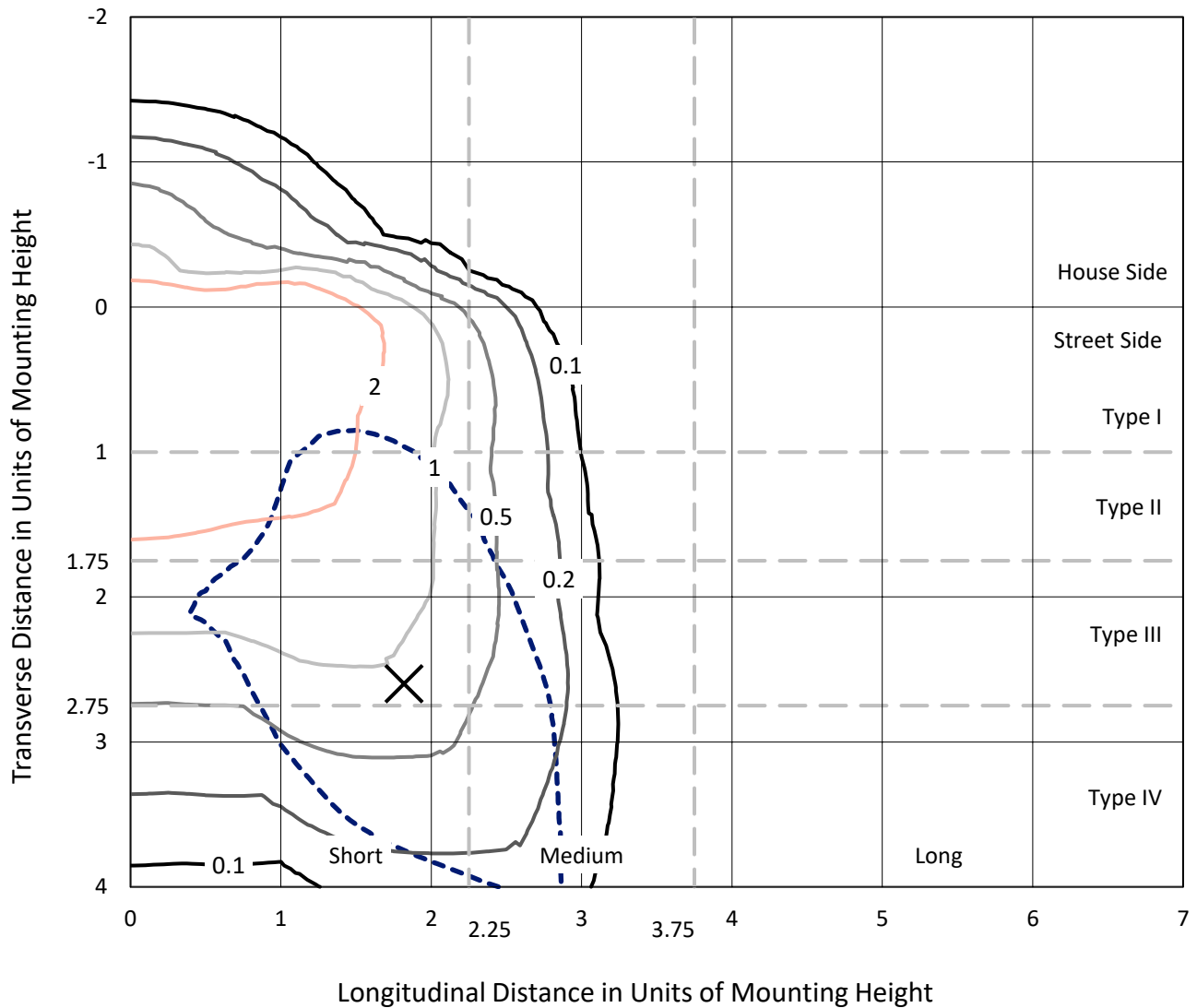
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

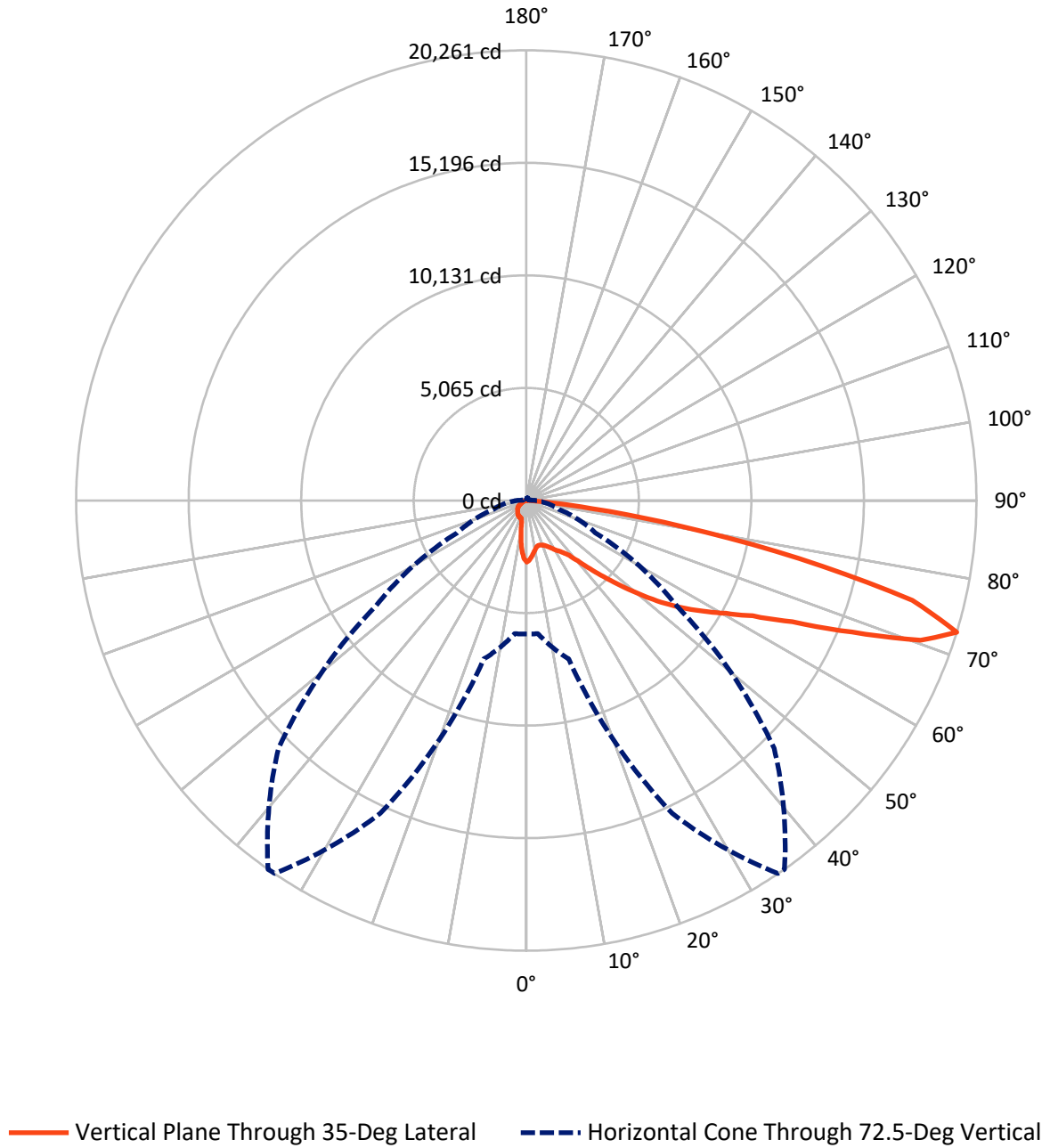
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	2150.0	0.0	2150.0
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16953.1	0.0	16953.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	19103.0	0.0	19103.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.5	1.2
10°-20°	532.2	2.8
20°-30°	864.6	4.5
30°-40°	1442.6	7.6
40°-50°	2729.4	14.3
50°-60°	4337.0	22.7
60°-70°	5365.2	28.1
70°-80°	3335.0	17.5
80°-90°	269.5	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°	19103.0	100.0
0°-180°	19103.0	100.0

Coefficient of Utilization



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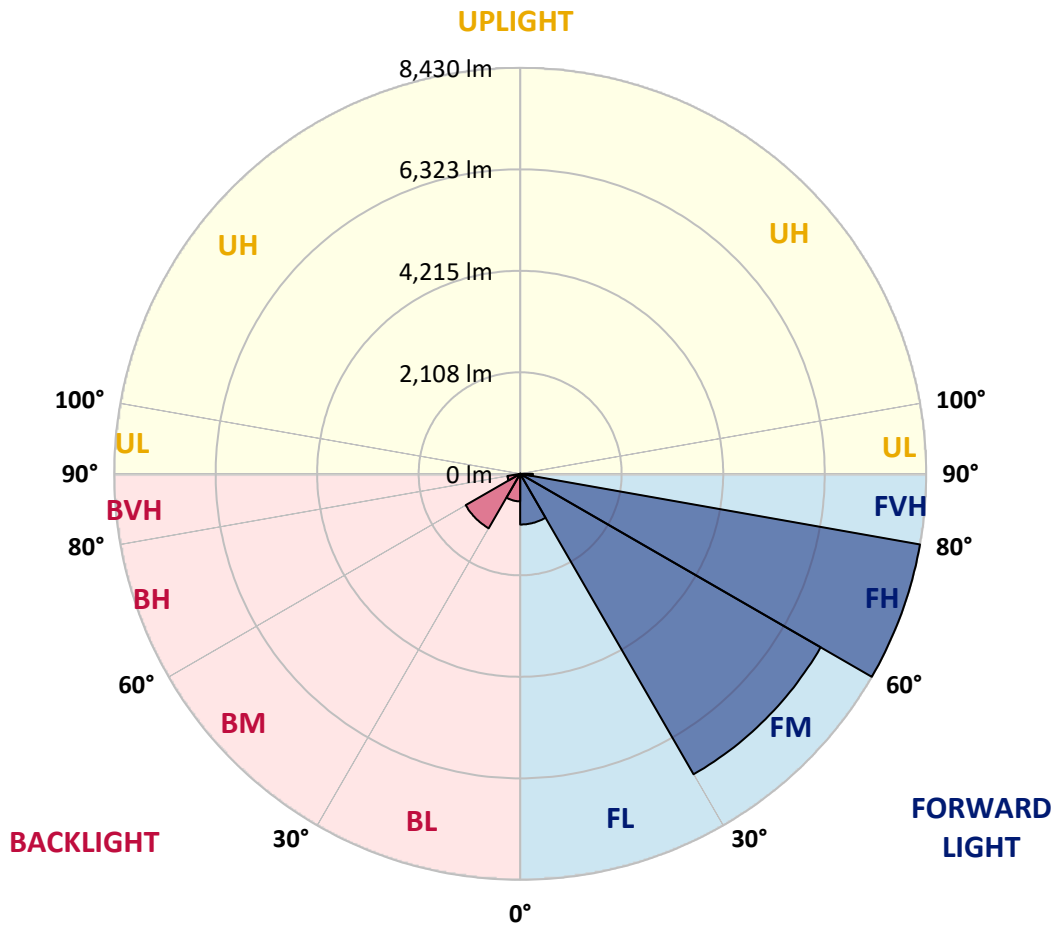
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1053.1	5.5			
FM (30°-60°)	7203.7	37.7			
FH (60°-80°)	8430.4	44.1			G4/12000
FVH (80°-90°)	265.9	1.4			G3/500
BL (0°-30°)	571.3	3.0	B2/1000		
BM (30°-60°)	1305.2	6.8	B2/2500		
BH (60°-80°)	269.8	1.4	B1/500		G1/500
BVH (80°-90°)	3.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7
2.5°	2645.5	2667.9	2672.1	2679.1	2679.1	2687.5	2701.5	2721.1	2753.3	2770.1
5°	2438.3	2455.1	2476.1	2492.9	2525.1	2529.3	2583.9	2637.1	2711.3	2767.3
7.5°	2229.8	2249.4	2277.4	2318.0	2359.9	2372.5	2455.1	2544.7	2662.3	2767.3
10°	2082.8	2084.2	2109.4	2150.0	2217.2	2232.6	2333.3	2460.7	2607.7	2750.5
12.5°	2000.2	2010.0	2021.2	2052.0	2116.4	2126.2	2234.0	2383.7	2553.1	2740.7
15°	2000.2	2007.2	2014.2	2029.6	2081.4	2089.8	2185.0	2334.7	2525.1	2744.9
17.5°	2021.2	2032.4	2026.8	2045.0	2099.6	2105.2	2189.2	2320.8	2523.7	2771.5
20°	2071.6	2080.0	2068.8	2080.0	2134.6	2145.8	2232.6	2347.3	2547.5	2817.7
22.5°	2151.4	2155.6	2129.0	2137.4	2193.4	2207.4	2308.2	2422.9	2604.9	2891.8
25°	2252.2	2260.6	2220.0	2229.8	2283.0	2299.8	2415.9	2536.3	2695.9	2994.0
27.5°	2368.3	2372.5	2337.5	2336.1	2404.7	2428.5	2546.1	2676.3	2817.7	3122.8
30°	2501.3	2513.9	2480.3	2474.7	2561.5	2581.1	2697.3	2848.4	2996.8	3316.0
32.5°	2606.3	2616.1	2596.5	2610.5	2698.7	2714.1	2880.6	3092.0	3278.2	3590.3
35°	2757.5	2763.1	2718.3	2743.5	2844.3	2883.4	3131.2	3433.5	3632.3	3934.6
37.5°	3304.8	3304.8	3114.4	2989.8	3086.4	3121.4	3474.1	3863.3	4069.0	4396.6
40°	4062.0	4049.4	3770.9	3516.1	3503.5	3572.1	3962.6	4404.9	4633.1	4950.8
42.5°	4869.7	4850.1	4470.7	4218.8	4176.8	4200.6	4526.7	5072.6	5305.0	5626.9
45°	5586.3	5580.7	5233.6	4894.9	4819.3	4894.9	5230.8	5853.7	6020.2	6359.0
47.5°	6186.8	6186.8	5933.5	5712.3	5673.1	5717.9	6184.0	6720.1	6704.7	7138.6
50°	6878.3	6872.7	6631.9	6536.7	6577.3	6640.3	7281.4	7632.7	7413.0	7904.3
52.5°	7362.6	7396.2	7313.6	7298.2	7505.4	7614.5	8395.6	8525.8	8047.0	8630.7
55°	7746.1	7785.3	7880.5	7988.3	8387.2	8530.0	9474.8	9372.6	8577.5	9260.6
57.5°	8289.2	8233.2	8380.2	8592.9	9238.2	9410.4	10520.4	10171.8	9004.5	9771.5
60°	8948.5	8956.9	8982.1	9250.8	10087.9	10309.0	11550.6	10927.7	9278.8	10085.1
62.5°	9740.7	9753.3	9805.1	10218.0	11228.6	11437.2	12648.0	11546.4	9404.8	9996.9
65°	9686.1	9739.3	10317.4	11729.7	12962.9	13168.7	13928.7	11980.3	9214.4	9190.6
67.5°	8823.9	8910.7	9877.9	13535.4	15577.6	15807.1	15476.8	12065.7	8392.8	7147.0
70°	7692.9	7723.7	8886.9	15159.1	18605.2	18837.6	16862.5	11126.5	6368.8	3986.4
72.5°	6007.6	6014.6	7379.4	15535.6	20248.5	20261.1	15775.0	8259.8	3425.1	1531.3
75°	4291.6	4249.6	4942.4	12599.0	17814.4	17957.1	11826.3	3874.5	1308.7	723.7
77.5°	2301.2	2347.3	2796.7	7471.8	12306.4	12550.0	6452.8	1117.0	666.3	492.7
80°	711.1	750.3	1146.4	3420.9	6970.7	7117.6	2392.1	496.9	464.7	351.3
82.5°	224.0	232.4	534.7	1437.5	2893.2	2960.4	692.9	281.3	317.7	232.4
85°	64.4	65.8	238.0	536.1	715.3	729.3	194.6	109.2	182.0	144.2
87.5°	7.0	22.4	89.6	89.6	63.0	61.6	21.0	23.8	51.8	18.2
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°
2768.7	0°	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7	2768.7
2781.3	2.5°	2774.3	2775.7	2757.5	2726.7	2693.1	2665.1	2630.1	2602.1	2582.5	2576.9
2806.5	5°	2793.9	2784.1	2732.3	2638.5	2526.5	2429.9	2322.2	2236.8	2180.8	2157.0
2833.1	7.5°	2823.3	2795.3	2681.9	2497.1	2283.0	2092.6	1899.4	1749.7	1654.5	1606.9
2858.2	10°	2848.4	2792.5	2597.9	2292.8	1965.2	1676.9	1416.5	1236.0	1135.2	1087.6
2887.6	12.5°	2872.2	2791.1	2488.7	2050.6	1606.9	1254.2	1012.0	922.4	894.4	884.6
2935.2	15°	2917.0	2795.3	2351.5	1773.5	1250.0	947.6	859.4	858.0	863.6	860.8
3008.0	17.5°	2978.6	2799.5	2196.2	1479.5	964.4	835.6	831.4	844.0	852.4	848.2
3099.0	20°	3058.4	2816.3	2031.0	1188.4	828.6	807.6	817.4	828.6	835.6	828.6
3220.8	22.5°	3170.4	2845.7	1850.4	954.6	785.2	790.8	799.2	811.8	818.8	809.0
3376.1	25°	3307.6	2891.8	1672.7	830.0	764.3	771.3	783.8	797.8	806.2	796.4
3572.1	27.5°	3485.3	2966.0	1508.9	802.0	743.3	747.5	765.7	786.6	797.8	785.2
3850.7	30°	3742.9	3087.8	1367.5	814.6	730.7	720.9	746.1	775.5	788.0	776.8
4230.0	32.5°	4084.4	3260.0	1280.8	834.2	725.1	690.1	713.9	751.7	772.7	765.7
4725.5	35°	4532.3	3521.7	1247.2	856.6	720.9	657.9	674.7	715.3	751.7	758.7
5349.8	37.5°	5075.4	3885.6	1257.0	866.4	708.3	631.3	639.7	674.7	722.3	744.7
6052.4	40°	5692.7	4309.8	1312.9	856.6	694.3	608.9	610.3	636.9	678.9	712.5
6808.3	42.5°	6329.6	4805.3	1416.5	820.2	681.7	589.3	585.1	603.3	631.3	655.1
7562.7	45°	6935.7	5314.8	1518.7	769.9	666.3	569.7	559.9	566.9	572.5	582.3
8297.6	47.5°	7464.8	5673.1	1489.3	723.7	645.3	547.3	530.5	527.7	510.9	509.5
8954.1	50°	7830.1	5751.5	1322.7	677.5	614.5	522.1	495.5	478.7	449.3	435.3
9445.4	52.5°	7946.3	5442.1	1080.6	631.3	564.1	488.5	450.7	424.1	387.7	375.1
9728.1	55°	7792.3	4836.1	863.6	575.3	494.1	443.7	401.7	366.7	337.3	321.9
9758.9	57.5°	7415.8	4064.8	683.1	509.5	419.9	393.3	351.3	316.3	291.1	275.7
9417.4	60°	6791.5	3227.8	540.3	431.1	358.3	338.7	295.3	272.9	250.6	232.4
8535.6	62.5°	5843.9	2304.0	424.1	341.5	299.5	277.1	252.0	235.2	208.6	183.4
6949.7	65°	4560.3	1409.5	327.5	250.6	240.8	229.6	214.2	198.8	166.6	141.4
4533.7	67.5°	2876.4	667.7	233.8	189.0	190.4	184.8	177.8	165.2	141.4	119.0
2031.0	70°	1266.8	323.3	154.0	144.2	141.4	141.4	147.0	142.8	120.4	99.4
705.5	72.5°	431.1	173.6	114.8	109.2	102.2	100.8	123.2	119.0	96.6	77.0
351.3	75°	225.4	116.2	84.0	78.4	61.6	74.2	98.0	92.4	68.6	50.4
232.4	77.5°	147.0	82.6	57.4	50.4	35.0	49.0	72.8	64.4	40.6	25.2
152.6	80°	92.4	54.6	33.6	23.8	16.8	26.6	39.2	28.0	15.4	5.6
89.6	82.5°	49.0	28.0	12.6	8.4	7.0	8.4	9.8	7.0	2.8	0.0
46.2	85°	19.6	9.8	4.2	2.8	1.4	0.0	2.8	1.4	0.0	0.0
8.4	87.5°	7.0	1.4	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

180°
2768.7
2586.7
2165.4
1613.9
1089.0
881.8
859.4
846.8
827.2
807.6
795.0
785.2
775.5
765.7
758.7
750.3
723.7
664.9
587.9
508.1
436.7
373.7
321.9
272.9
228.2
179.2
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116.2
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72.8
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