

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: P943128

Luminaire Tested: **GALN-SB7B-950-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P943128
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-SB7B-950-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 450mA 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: 21093 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

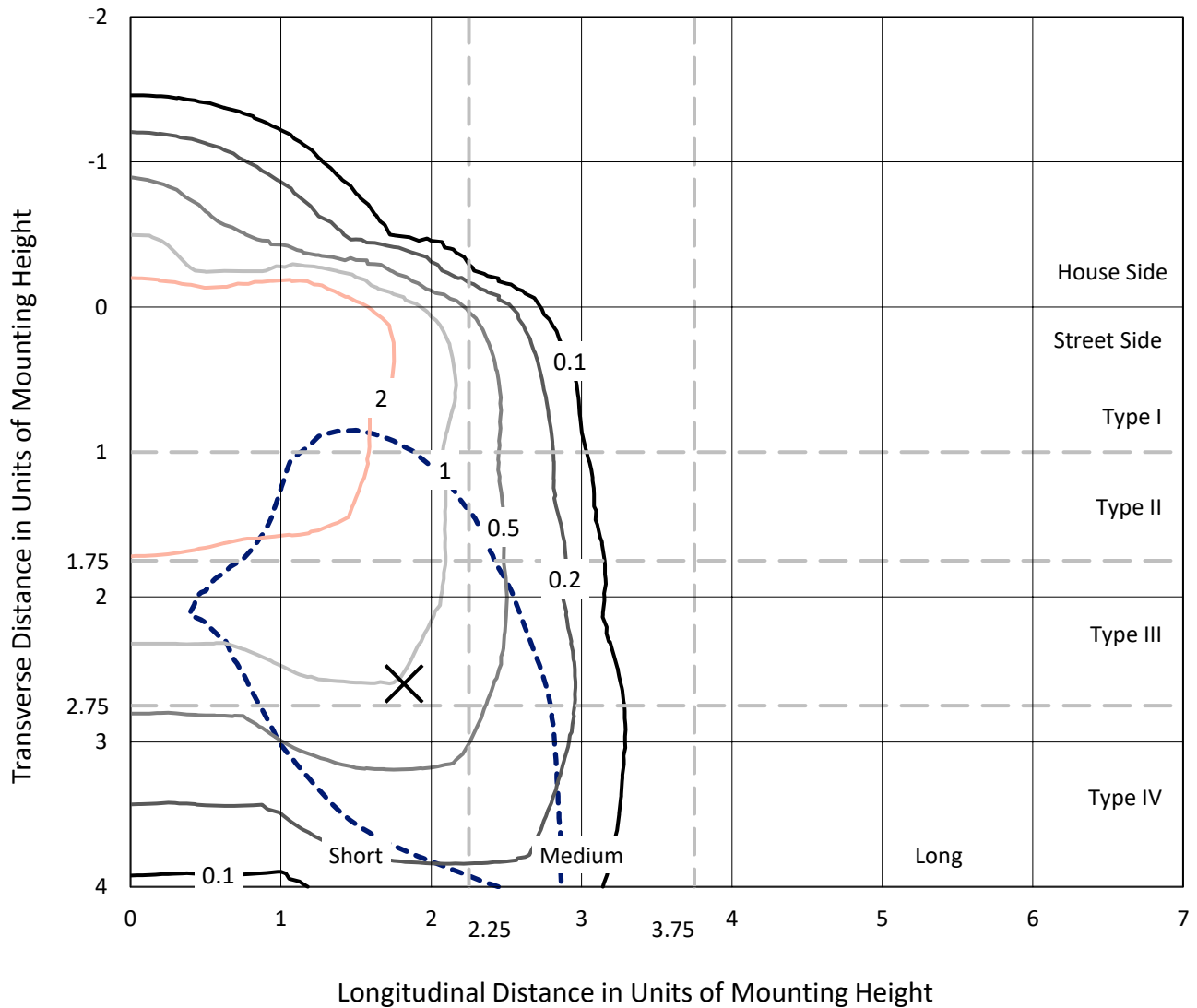
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

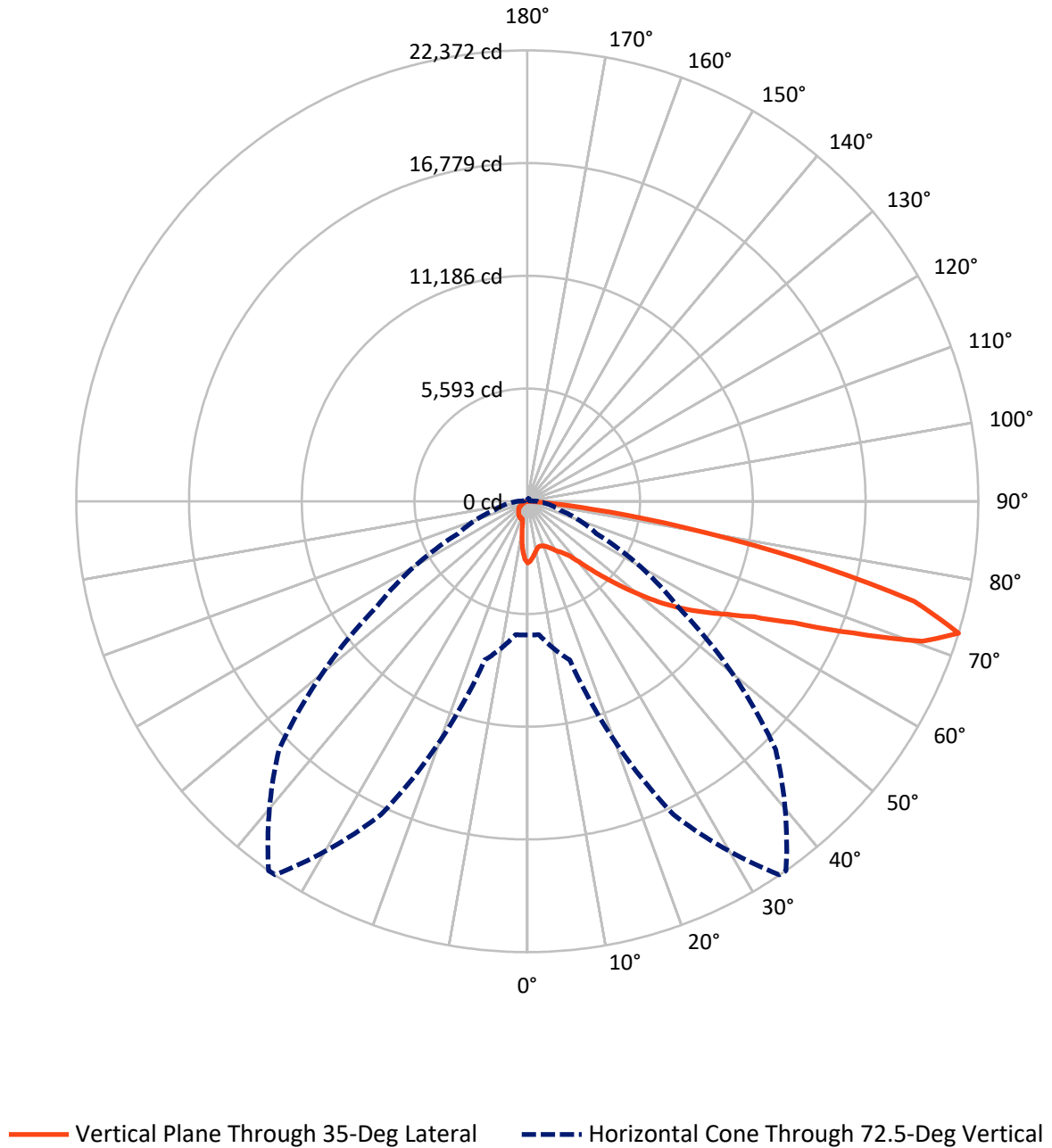
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	2373.9	0.0	2373.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	18719.1	0.0	18719.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	21093.0	0.0	21093.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.2	1.2
10°-20°	587.7	2.8
20°-30°	954.7	4.5
30°-40°	1592.9	7.6
40°-50°	3013.7	14.3
50°-60°	4788.8	22.7
60°-70°	5924.1	28.1
70°-80°	3682.4	17.5
80°-90°	297.6	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°	21093.0	100.0
0°-180°	21093.0	100.0

Coefficient of Utilization



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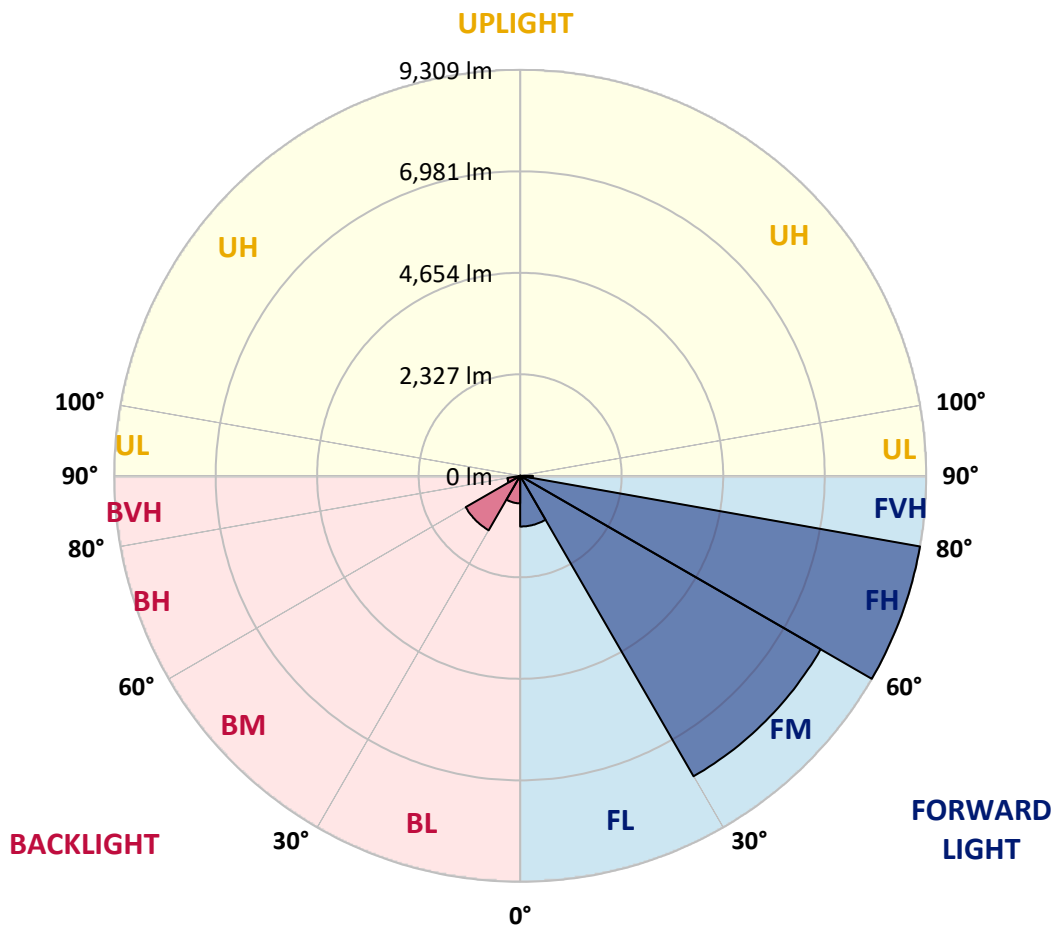
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1162.8	5.5			
FM (30°-60°)	7954.2	37.7			
FH (60°-80°)	9308.6	44.1			G4/12000
FVH (80°-90°)	293.5	1.4			G3/500
BL (0°-30°)	630.8	3.0	B2/1000		
BM (30°-60°)	1441.2	6.8	B2/2500		
BH (60°-80°)	297.9	1.4	B1/500		G1/500
BVH (80°-90°)	4.0	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°	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1
2.5°	2921.1	2945.8	2950.4	2958.2	2958.2	2967.4	2982.9	3004.5	3040.1	3058.6
5°	2692.3	2710.9	2734.1	2752.6	2788.2	2792.8	2853.1	2911.8	2993.7	3055.5
7.5°	2462.0	2483.7	2514.6	2559.4	2605.8	2619.7	2710.9	2809.8	2939.6	3055.5
10°	2299.8	2301.3	2329.1	2374.0	2448.1	2465.1	2576.4	2717.1	2879.3	3037.0
12.5°	2208.6	2219.4	2231.8	2265.8	2336.9	2347.7	2466.7	2632.1	2819.1	3026.2
15°	2208.6	2216.3	2224.0	2241.0	2298.2	2307.5	2412.6	2578.0	2788.2	3030.8
17.5°	2231.8	2244.1	2237.9	2258.0	2318.3	2324.5	2417.2	2562.5	2786.6	3060.2
20°	2287.4	2296.7	2284.3	2296.7	2357.0	2369.3	2465.1	2591.9	2812.9	3111.2
22.5°	2375.5	2380.1	2350.8	2360.0	2421.9	2437.3	2548.6	2675.3	2876.3	3193.1
25°	2486.8	2496.1	2451.2	2462.0	2520.8	2539.3	2667.6	2800.5	2976.7	3305.9
27.5°	2615.1	2619.7	2581.1	2579.5	2655.2	2681.5	2811.3	2955.1	3111.2	3448.1
30°	2761.9	2775.8	2738.7	2732.5	2828.3	2850.0	2978.3	3145.2	3309.0	3661.4
32.5°	2877.8	2888.6	2867.0	2882.4	2979.8	2996.8	3180.7	3414.1	3619.7	3964.3
35°	3044.7	3050.9	3001.4	3029.3	3140.5	3183.8	3457.4	3791.2	4010.7	4344.5
37.5°	3649.0	3649.0	3438.8	3301.3	3407.9	3446.6	3836.0	4265.7	4492.9	4854.5
40°	4485.2	4471.3	4163.7	3882.4	3868.5	3944.2	4375.4	4863.8	5115.7	5466.6
42.5°	5376.9	5355.3	4936.5	4658.3	4611.9	4638.2	4998.3	5601.0	5857.6	6213.1
45°	6168.3	6162.1	5778.8	5404.8	5321.3	5404.8	5775.7	6463.5	6647.4	7021.4
47.5°	6831.3	6831.3	6551.6	6307.4	6264.1	6313.5	6828.2	7420.1	7403.1	7882.3
50°	7594.8	7588.6	7322.8	7217.7	7262.5	7332.1	8039.9	8427.8	8185.2	8727.7
52.5°	8129.6	8166.6	8075.5	8058.5	8287.2	8407.8	9270.2	9413.9	8885.3	9529.8
55°	8553.0	8596.3	8701.4	8820.4	9260.9	9418.5	10461.8	10349.0	9471.1	10225.3
57.5°	9152.7	9090.9	9253.2	9488.1	10200.6	10390.7	11616.3	11231.5	9942.5	10789.4
60°	9880.7	9889.9	9917.7	10214.5	11138.7	11382.9	12753.8	12066.0	10245.4	11135.6
62.5°	10755.4	10769.3	10826.5	11282.5	12398.3	12628.6	13965.5	12749.2	10384.5	11038.3
65°	10695.2	10753.9	11392.2	12951.6	14313.3	14540.5	15379.7	13228.3	10174.3	10148.0
67.5°	9743.1	9838.9	10906.9	14945.4	17200.3	17453.8	17089.1	13322.6	9267.1	7891.5
70°	8494.3	8528.3	9812.6	16738.2	20543.3	20799.9	18619.1	12285.5	7032.2	4401.7
72.5°	6633.5	6641.2	8148.1	17154.0	22357.8	22371.7	17418.3	9120.2	3781.9	1690.8
75°	4738.6	4692.3	5457.3	13911.4	19670.1	19827.8	13058.3	4278.1	1445.1	799.0
77.5°	2540.9	2591.9	3088.0	8250.1	13588.4	13857.3	7125.0	1233.3	735.7	544.0
80°	785.1	828.4	1265.8	3777.3	7696.8	7859.1	2641.3	548.7	513.1	387.9
82.5°	247.3	256.6	590.4	1587.3	3194.6	3268.8	765.0	310.7	350.8	256.6
85°	71.1	72.6	262.7	591.9	789.8	805.2	214.8	120.6	200.9	159.2
87.5°	7.7	24.7	98.9	98.9	69.5	68.0	23.2	26.3	57.2	20.1
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°
3057.1	0°	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1	3057.1
3071.0	2.5°	3063.3	3064.8	3044.7	3010.7	2973.6	2942.7	2904.1	2873.2	2851.5	2845.3
3098.8	5°	3084.9	3074.1	3016.9	2913.3	2789.7	2683.1	2564.1	2469.8	2408.0	2381.7
3128.2	7.5°	3117.4	3086.4	2961.3	2757.2	2520.8	2310.6	2097.3	1931.9	1826.8	1774.3
3156.0	10°	3145.2	3083.4	2868.5	2531.6	2169.9	1851.6	1564.1	1364.7	1253.4	1200.9
3188.5	12.5°	3171.5	3081.8	2748.0	2264.2	1774.3	1384.8	1117.4	1018.5	987.6	976.8
3241.0	15°	3220.9	3086.4	2596.5	1958.2	1380.2	1046.3	949.0	947.4	953.6	950.5
3321.4	17.5°	3288.9	3091.1	2425.0	1633.6	1064.9	922.7	918.1	932.0	941.2	936.6
3421.8	20°	3377.0	3109.6	2242.6	1312.2	915.0	891.8	902.6	915.0	922.7	915.0
3556.3	22.5°	3500.7	3142.1	2043.2	1054.1	867.0	873.2	882.5	896.4	904.1	893.3
3727.8	25°	3652.1	3193.1	1846.9	916.5	843.9	851.6	865.5	881.0	890.2	879.4
3944.2	27.5°	3848.4	3275.0	1666.1	885.6	820.7	825.3	845.4	868.6	881.0	867.0
4251.8	30°	4132.8	3409.5	1510.0	899.5	806.8	796.0	823.8	856.2	870.1	857.8
4670.6	32.5°	4509.9	3599.6	1414.2	921.1	800.6	762.0	788.2	830.0	853.1	845.4
5217.8	35°	5004.5	3888.6	1377.1	945.9	796.0	726.4	745.0	789.8	830.0	837.7
5907.1	37.5°	5604.1	4290.4	1387.9	956.7	782.0	697.0	706.3	745.0	797.5	822.2
6682.9	40°	6285.7	4758.7	1449.7	945.9	766.6	672.3	673.9	703.2	749.6	786.7
7517.5	42.5°	6988.9	5305.8	1564.1	905.7	752.7	650.7	646.0	666.1	697.0	723.3
8350.6	45°	7658.2	5868.4	1676.9	850.0	735.7	629.0	618.2	625.9	632.1	642.9
9162.0	47.5°	8242.4	6264.1	1644.5	799.0	712.5	604.3	585.8	582.7	564.1	562.6
9886.8	50°	8645.8	6350.6	1460.5	748.0	678.5	576.5	547.1	528.6	496.1	480.7
10429.3	52.5°	8774.0	6009.1	1193.2	697.0	622.9	539.4	497.7	468.3	428.1	414.2
10741.5	55°	8604.0	5339.8	953.6	635.2	545.6	489.9	443.6	404.9	372.5	355.5
10775.5	57.5°	8188.3	4488.3	754.2	562.6	463.7	434.3	387.9	349.3	321.5	304.5
10398.4	60°	7499.0	3564.0	596.6	476.0	395.7	374.0	326.1	301.4	276.7	256.6
9424.7	62.5°	6452.6	2544.0	468.3	377.1	330.7	306.0	278.2	259.7	230.3	202.5
7673.6	65°	5035.4	1556.4	361.7	276.7	265.8	253.5	236.5	219.5	183.9	156.1
5006.0	67.5°	3176.1	737.2	258.1	208.6	210.2	204.0	196.3	182.4	156.1	131.4
2242.6	70°	1398.7	357.0	170.0	159.2	156.1	156.1	162.3	157.6	132.9	109.7
779.0	72.5°	476.0	191.6	126.7	120.6	112.8	111.3	136.0	131.4	106.6	85.0
387.9	75°	248.8	128.3	92.7	86.6	68.0	81.9	108.2	102.0	75.7	55.6
256.6	77.5°	162.3	91.2	63.4	55.6	38.6	54.1	80.4	71.1	44.8	27.8
168.5	80°	102.0	60.3	37.1	26.3	18.5	29.4	43.3	30.9	17.0	6.2
98.9	82.5°	54.1	30.9	13.9	9.3	7.7	9.3	10.8	7.7	3.1	0.0
51.0	85°	21.6	10.8	4.6	3.1	1.5	0.0	3.1	1.5	0.0	0.0
9.3	87.5°	7.7	1.5	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>
3057.1
2856.2
2391.0
1782.0
1202.4
973.7
949.0
935.1
913.4
891.8
877.9
867.0
856.2
845.4
837.7
828.4
799.0
734.1
649.1
561.0
482.2
412.7
355.5
301.4
251.9
197.8
151.5
128.3
105.1
80.4
51.0
24.7
4.6
0.0
0.0
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0.0

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