

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: P952323

Luminaire Tested: **GALN-SB6A-950-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-950-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15754 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

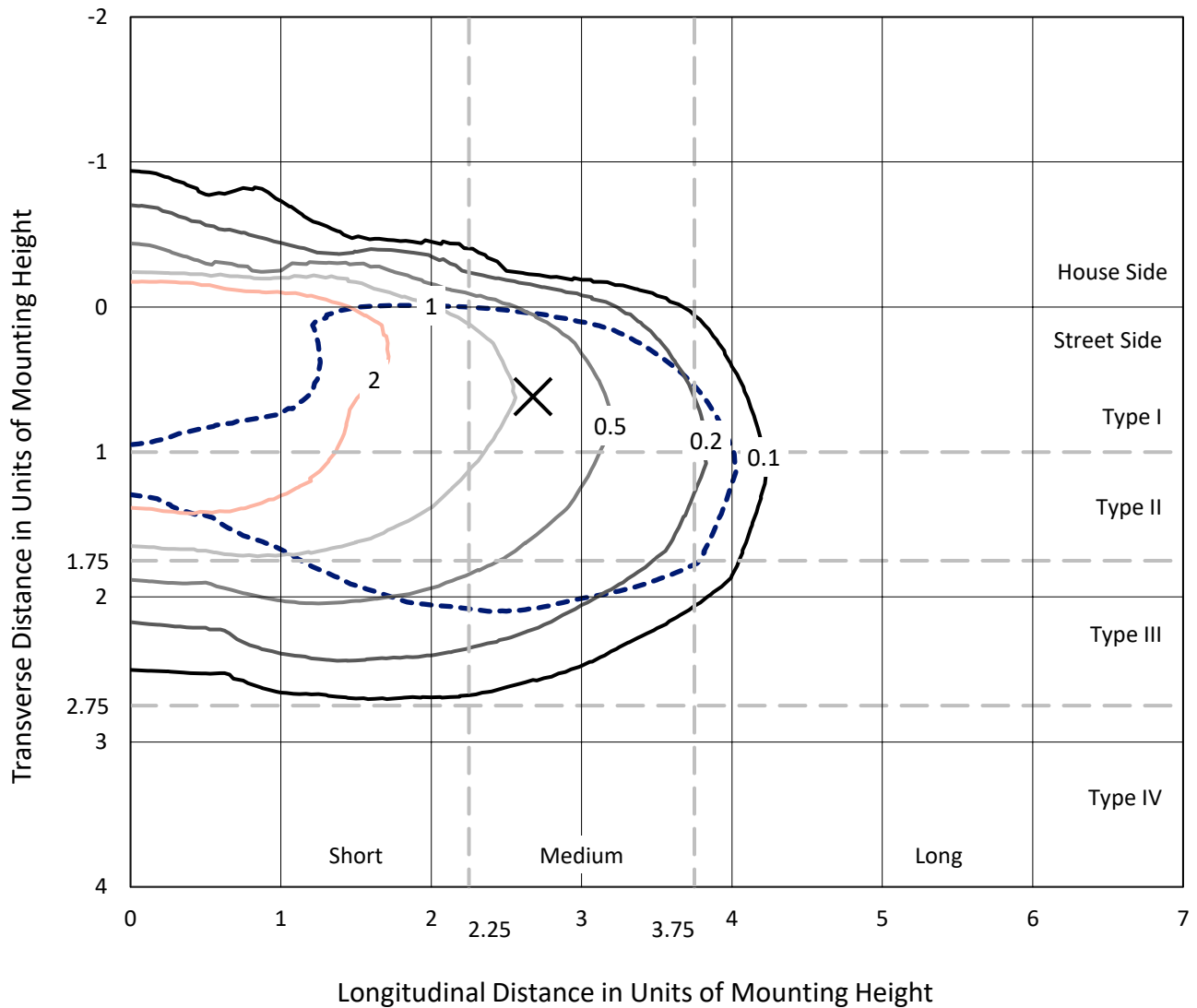
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

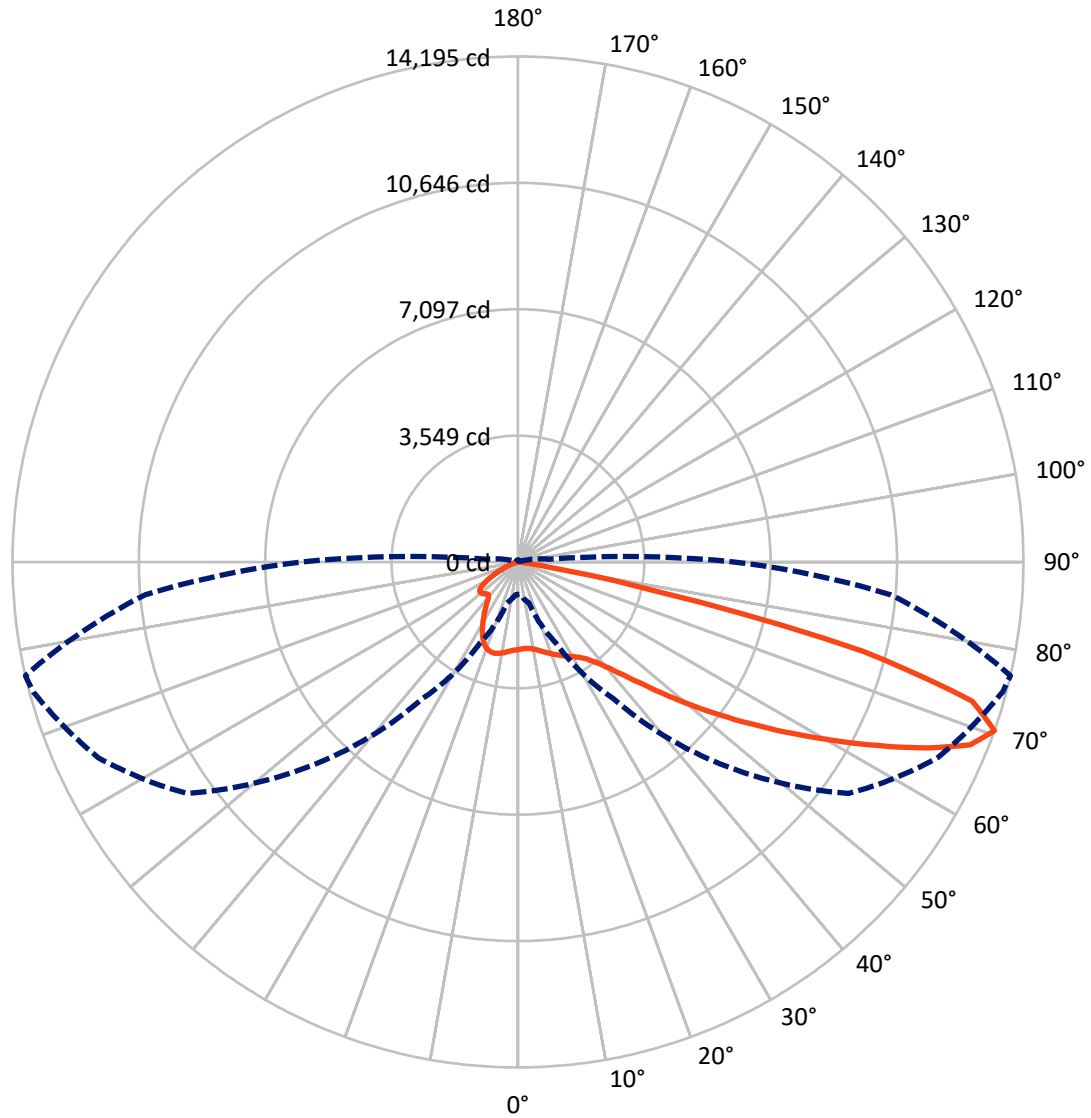
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1660.7	0.0	1660.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	14093.3	0.0	14093.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	15754.0	0.0	15754.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.8	1.3
10°-20°	502.8	3.2
20°-30°	777.6	4.9
30°-40°	1411.0	9.0
40°-50°	2663.5	16.9
50°-60°	3848.5	24.4
60°-70°	4096.6	26.0
70°-80°	2170.9	13.8
80°-90°	71.3	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°	15754.0	100.0
0°-180°	15754.0	100.0



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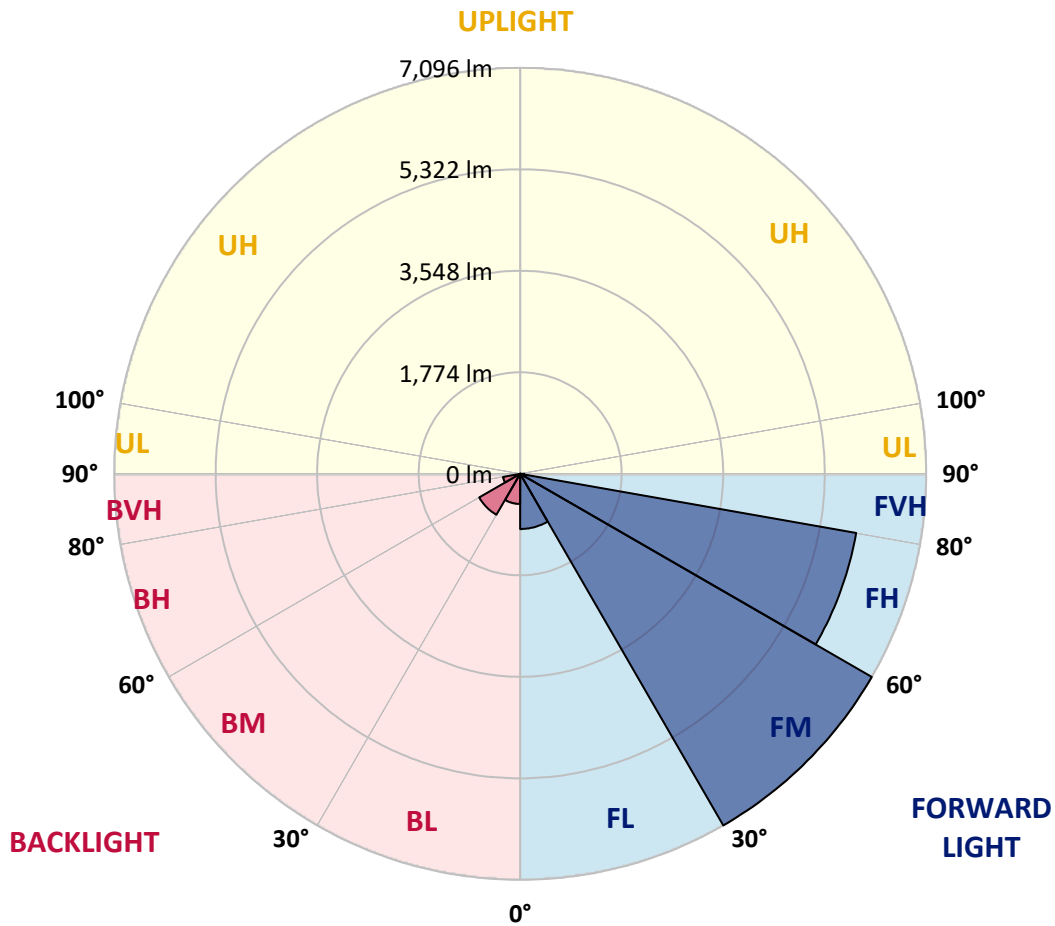
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	964.5	6.1			
FM (30°-60°)	7096.3	45.0			
FH (60°-80°)	5963.1	37.9			G3/7500
FVH (80°-90°)	69.4	0.4			G1/100
BL (0°-30°)	527.6	3.3	B2/1000		
BM (30°-60°)	826.7	5.2	B1/1000		
BH (60°-80°)	304.4	1.9	B1/500		G1/500
BVH (80°-90°)	1.9	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-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3
2.5°	2307.1	2328.0	2325.0	2338.9	2343.9	2363.8	2383.7	2410.6	2440.4	2439.4
5°	2176.8	2197.7	2202.7	2221.6	2245.4	2276.3	2317.1	2370.8	2426.5	2435.5
7.5°	2022.6	2044.5	2057.4	2095.2	2139.0	2202.7	2269.3	2347.9	2440.4	2453.4
10°	1868.4	1888.3	1905.2	1958.9	2028.5	2123.1	2231.5	2344.9	2469.3	2488.2
12.5°	1772.9	1791.8	1810.7	1857.4	1944.0	2059.4	2206.6	2358.8	2517.0	2543.9
15°	1739.0	1756.0	1770.9	1812.7	1893.2	2024.6	2201.7	2387.7	2577.7	2613.5
17.5°	1744.0	1753.0	1762.9	1794.8	1873.3	2008.7	2210.6	2437.4	2649.4	2681.2
20°	1772.9	1777.8	1778.8	1800.7	1870.4	2006.7	2228.5	2485.2	2717.0	2759.8
22.5°	1809.7	1811.7	1809.7	1824.6	1889.3	2021.6	2252.4	2542.9	2792.6	2832.4
25°	1981.8	1944.0	1896.2	1867.4	1921.1	2050.4	2288.2	2620.5	2875.2	2914.0
27.5°	2516.0	2407.6	2236.5	2044.5	1986.8	2092.2	2338.0	2699.1	2958.8	2993.6
30°	3383.6	3241.3	2950.8	2518.0	2197.7	2179.8	2402.6	2777.7	3047.3	3085.1
32.5°	4253.1	4218.3	3883.0	3284.1	2672.2	2374.8	2510.1	2884.1	3164.7	3194.5
35°	5132.6	5061.9	4787.3	4195.4	3403.5	2771.7	2689.1	3023.4	3318.9	3352.7
37.5°	5806.1	5763.3	5593.2	5105.7	4271.0	3384.6	2995.6	3239.3	3542.7	3580.6
40°	6401.0	6381.1	6323.4	6002.1	5241.0	4186.4	3472.1	3573.6	3853.1	3897.9
42.5°	6868.6	6915.4	6948.2	6858.7	6240.8	5101.7	4112.8	4043.2	4285.9	4331.7
45°	7347.1	7363.1	7495.4	7624.7	7233.7	6058.8	4835.1	4593.3	4824.1	4880.9
47.5°	7654.6	7718.2	7951.0	8178.9	8068.4	7007.9	5611.1	5243.0	5447.9	5554.4
50°	7677.4	7797.8	8118.2	8515.1	8676.3	7911.2	6454.7	5983.2	6201.1	6318.4
52.5°	7296.4	7483.4	7979.9	8560.9	9004.6	8676.3	7327.2	6723.4	7002.9	7156.1
55°	5594.2	5838.9	7459.6	8312.2	9017.5	9256.3	8176.9	7494.4	7896.3	8069.4
57.5°	4873.9	4997.3	5864.8	7880.4	8777.8	9490.1	8944.9	8228.6	8868.3	9083.2
60°	4055.1	4217.3	4918.7	7174.0	8452.5	9513.0	9623.4	9175.7	9921.9	10163.6
62.5°	2755.8	2931.9	3629.3	5960.3	8007.7	9502.0	10179.6	10150.7	11092.8	11352.5
65°	1707.2	1817.6	2277.3	4866.9	7385.9	9514.0	10761.6	11334.6	12328.5	12592.1
67.5°	1349.0	1399.8	1639.6	3736.7	6314.5	9245.4	11342.6	12447.9	13491.5	13700.4
70°	906.3	937.2	1192.9	2505.1	4697.8	8005.8	11331.6	13007.0	14090.4	14194.9
72.5°	477.5	501.4	697.4	1160.0	2837.4	5690.7	9551.8	12338.4	13494.5	13337.3
75°	238.8	278.6	469.6	589.0	1211.8	3173.6	5931.4	9727.9	10621.3	10012.4
77.5°	181.1	218.9	388.0	388.0	421.8	1068.5	2512.1	5305.7	4893.8	4075.0
80°	115.4	149.2	339.3	293.5	176.1	271.6	654.6	1486.3	1039.6	790.9
82.5°	67.7	97.5	282.5	194.0	98.5	100.5	185.0	316.4	269.6	209.9
85°	26.9	63.7	194.0	76.6	38.8	24.9	55.7	67.7	55.7	41.8
87.5°	0.0	14.9	33.8	0.0	3.0	2.0	4.0	5.0	5.0	4.0
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°
2457.3	0°	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3	2457.3
2459.3	2.5°	2468.3	2470.3	2476.2	2477.2	2463.3	2445.4	2438.4	2435.5	2423.5	2422.5
2475.2	5°	2498.1	2507.1	2498.1	2472.3	2410.6	2324.0	2258.4	2204.6	2155.9	2141.0
2530.0	7.5°	2557.8	2566.8	2539.9	2438.4	2283.2	2111.1	1955.9	1846.5	1748.0	1711.2
2596.6	10°	2643.4	2655.3	2570.8	2365.8	2091.2	1814.7	1552.0	1367.0	1222.7	1164.0
2687.2	12.5°	2750.8	2755.8	2587.7	2255.4	1841.5	1446.5	1074.5	876.5	748.1	700.4
2796.6	15°	2869.2	2862.3	2589.7	2105.2	1501.3	1022.7	701.4	576.0	524.3	508.4
2906.0	17.5°	2993.6	2964.7	2549.9	1888.3	1128.2	699.4	520.3	490.5	481.5	477.5
3014.5	20°	3115.9	3051.3	2477.2	1604.7	809.8	522.3	472.6	463.6	458.6	456.6
3123.9	22.5°	3227.4	3116.9	2352.9	1275.4	588.0	461.6	446.7	438.7	429.8	425.8
3230.4	25°	3335.8	3154.7	2177.8	968.0	470.6	431.8	419.8	404.9	393.0	388.0
3344.8	27.5°	3441.3	3178.6	1958.9	716.3	419.8	403.9	382.0	361.1	352.2	350.2
3467.1	30°	3553.7	3186.6	1710.2	534.2	389.0	369.1	337.3	313.4	308.4	309.4
3632.3	32.5°	3691.0	3198.5	1459.5	437.7	363.1	327.3	289.5	264.6	260.7	264.6
3873.0	35°	3855.1	3222.4	1217.7	402.9	340.2	284.5	243.7	222.9	218.9	221.9
4181.5	37.5°	4078.0	3261.2	991.9	396.0	321.3	248.7	204.9	188.0	188.0	189.0
4559.5	40°	4374.5	3364.7	789.9	391.0	311.4	221.9	173.1	166.1	169.1	171.1
5041.0	42.5°	4735.6	3584.5	653.6	385.0	300.5	209.9	157.2	154.2	159.2	161.2
5618.1	45°	5140.5	3863.1	605.9	375.1	290.5	217.9	150.2	146.2	152.2	153.2
6264.7	47.5°	5559.4	4135.7	599.9	364.1	280.6	229.8	148.2	139.3	146.2	147.2
6955.2	50°	5983.2	4313.8	605.9	347.2	264.6	229.8	149.2	132.3	138.3	141.3
7671.5	52.5°	6410.0	4395.4	601.9	310.4	236.8	215.9	149.2	126.3	132.3	134.3
8445.5	55°	6823.8	4379.4	541.2	255.7	201.0	191.0	145.3	121.4	125.4	126.3
9176.7	57.5°	7151.2	4157.6	428.8	199.0	163.2	159.2	132.3	115.4	118.4	117.4
9847.3	60°	7322.3	3670.1	306.4	153.2	128.3	125.4	116.4	107.4	109.4	104.5
10415.3	62.5°	7324.3	3025.4	204.9	121.4	102.5	99.5	99.5	96.5	94.5	84.6
10855.1	65°	7168.1	2310.1	136.3	96.5	82.6	77.6	83.6	82.6	75.6	61.7
10989.4	67.5°	6813.9	1514.2	103.5	75.6	63.7	60.7	66.7	69.6	64.7	51.7
10499.9	70°	6085.6	881.5	85.6	58.7	47.8	44.8	53.7	59.7	53.7	41.8
8974.8	72.5°	5055.0	475.5	69.6	43.8	32.8	29.8	42.8	48.7	42.8	30.8
5758.3	75°	3280.1	254.7	53.7	28.9	16.9	18.9	31.8	35.8	29.8	19.9
1690.3	77.5°	1101.3	112.4	33.8	13.9	8.0	8.0	18.9	21.9	13.9	7.0
307.4	80°	245.7	46.8	13.9	6.0	3.0	3.0	4.0	4.0	2.0	0.0
94.5	82.5°	80.6	18.9	6.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
23.9	85°	30.8	7.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8.0	87.5°	11.9	1.0	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>
2457.3
2424.5
2132.0
1696.3
1139.1
685.5
508.4
476.5
454.7
424.8
386.0
348.2
309.4
263.6
220.9
188.0
171.1
161.2
154.2
148.2
142.3
134.3
126.3
117.4
103.5
81.6
59.7
50.7
39.8
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