

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: P942785

Luminaire Tested: **GALN-SB6D-950-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6D-950-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42534 lumens
Efficiency: N/A
Efficacy: 96.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

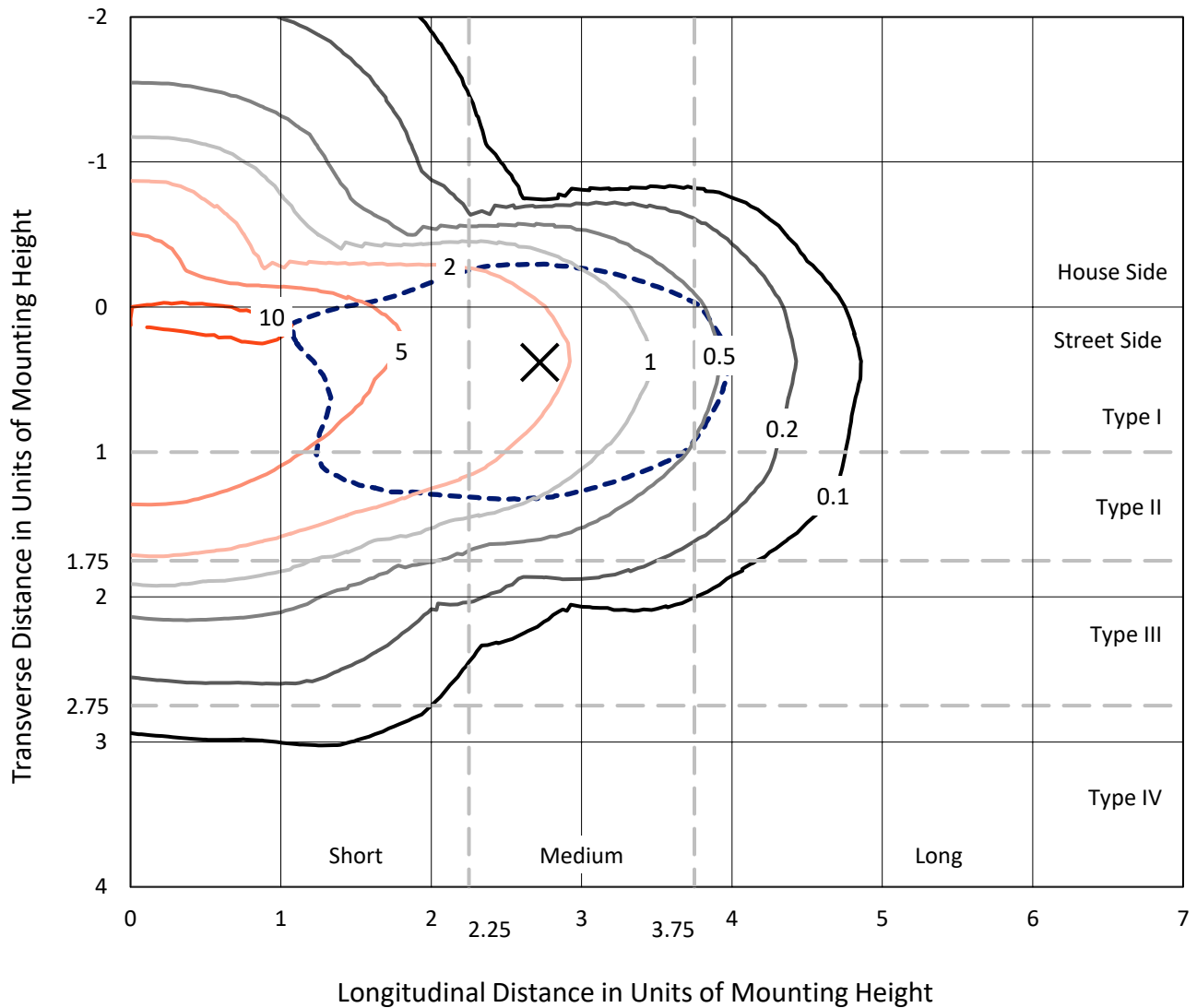
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

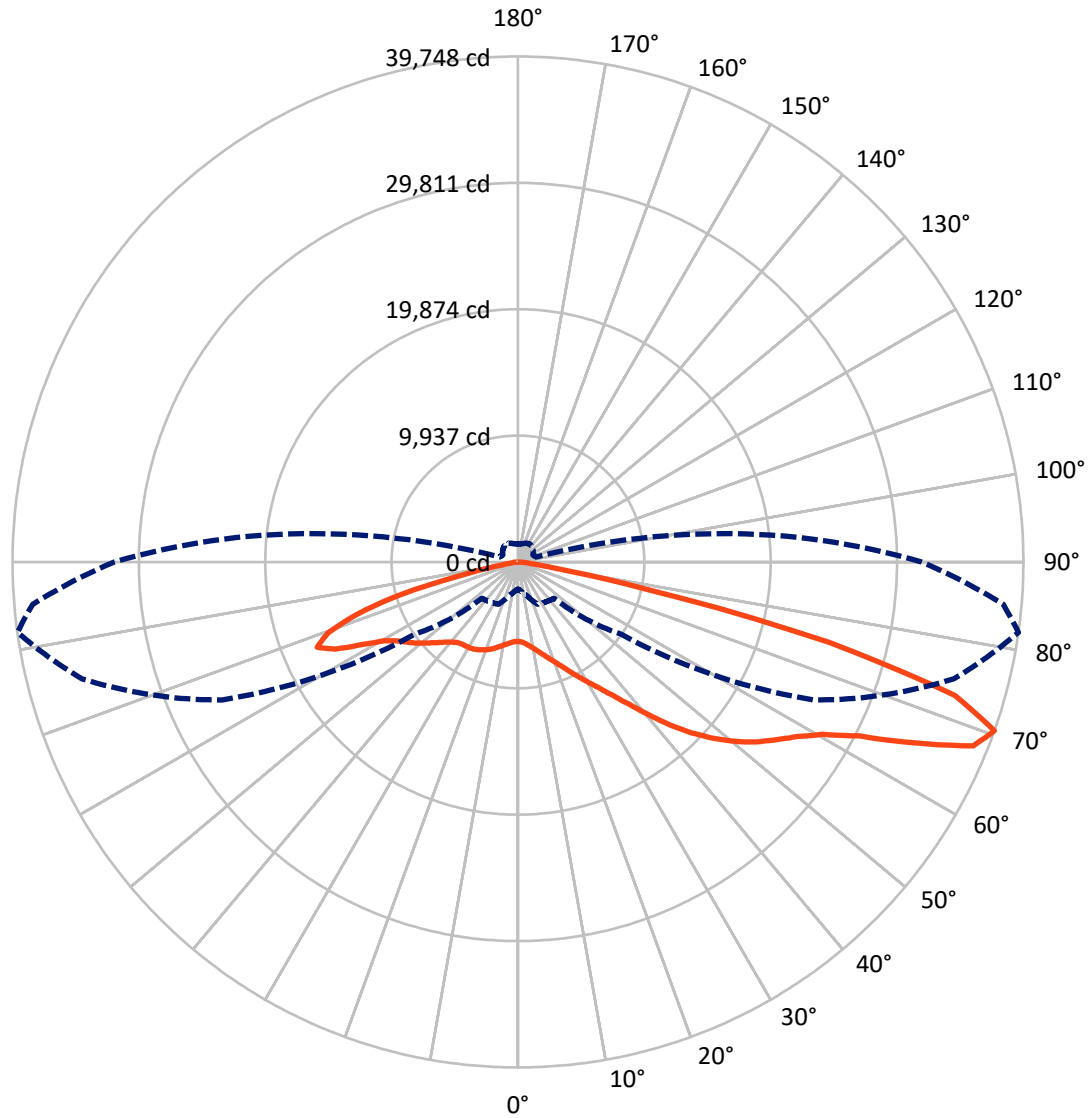
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10485.7	0.0	10485.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	32048.3	0.0	32048.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	42534.0	0.0	42534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.8	1.4
10°-20°	1691.6	4.0
20°-30°	2829.9	6.7
30°-40°	4421.1	10.4
40°-50°	7041.1	16.6
50°-60°	9798.5	23.0
60°-70°	10249.7	24.1
70°-80°	5357.0	12.6
80°-90°	556.3	1.3
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°	42534.0	100.0
0°-180°	42534.0	100.0

Coefficient of Utilization



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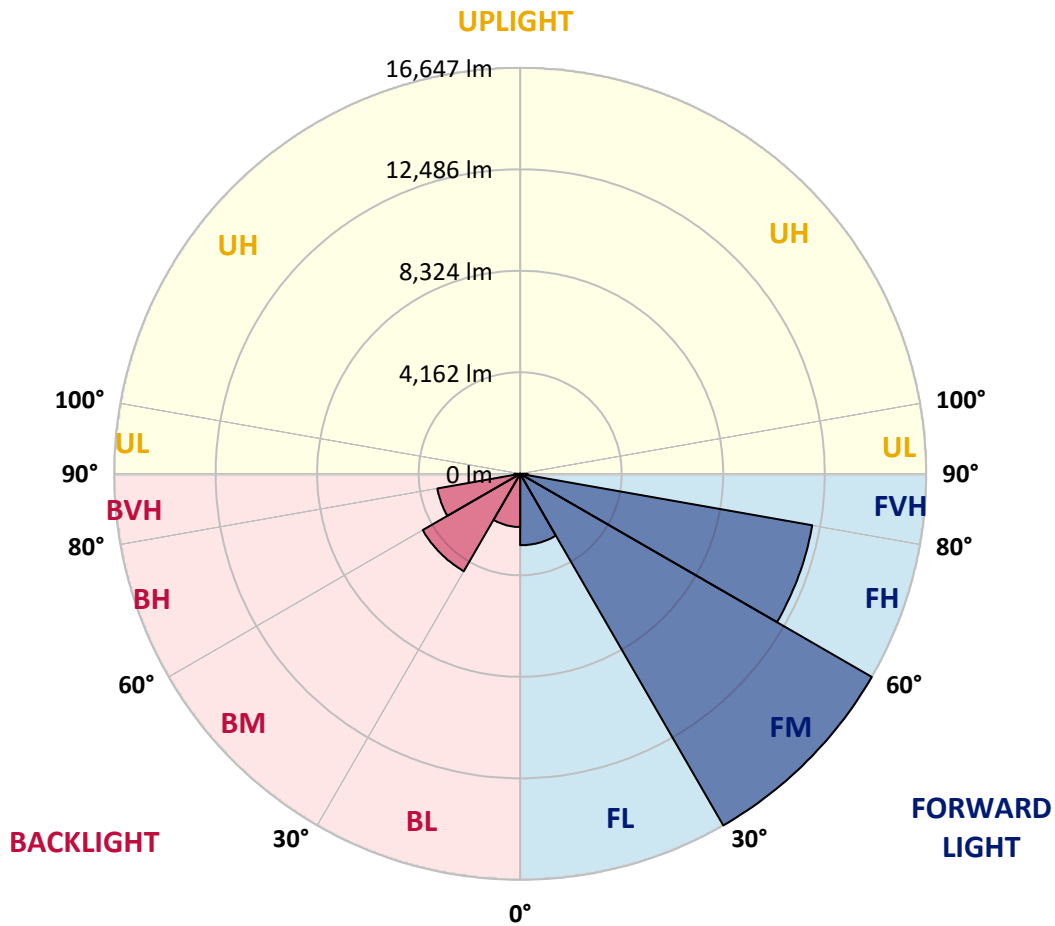
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2928.9	6.9			
FM (30°-60°)	16647.4	39.1			
FH (60°-80°)	12160.6	28.6			G5
FVH (80°-90°)	311.4	0.7			G3/500
BL (0°-30°)	2181.4	5.1	B3/2500		
BM (30°-60°)	4613.3	10.8	B3/5000		
BH (60°-80°)	3446.1	8.1	B4/5000		G4/5000
BVH (80°-90°)	244.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0
2.5°	6385.0	6421.1	6409.8	6398.5	6398.5	6382.7	6380.5	6357.9	6339.8	6310.5
5°	6466.2	6504.6	6500.1	6509.1	6538.5	6545.2	6552.0	6538.5	6502.3	6466.2
7.5°	6394.0	6436.9	6450.4	6504.6	6594.9	6676.1	6737.1	6761.9	6728.0	6676.1
10°	6150.3	6197.6	6245.0	6373.7	6533.9	6725.8	6888.3	6985.3	6978.6	6928.9
12.5°	5656.0	5705.6	5807.2	6057.7	6351.1	6689.7	6992.1	7195.2	7265.2	7229.1
15°	5261.0	5303.9	5380.6	5637.9	6019.3	6533.9	7030.5	7425.4	7603.7	7583.4
17.5°	5249.7	5267.8	5315.2	5437.0	5730.5	6290.2	6989.8	7651.1	7991.9	7989.7
20°	5448.3	5455.1	5482.2	5507.0	5674.0	6105.1	6886.0	7838.5	8427.5	8427.5
22.5°	5723.7	5719.2	5746.3	5723.7	5804.9	6089.3	6820.6	8003.2	8912.8	8948.9
25°	6136.7	6114.1	6107.4	6055.5	6071.3	6236.0	6892.8	8190.6	9488.3	9562.8
27.5°	6687.4	6651.3	6626.5	6506.9	6466.2	6538.5	7114.0	8416.3	10129.3	10257.9
30°	7405.1	7339.7	7303.6	7095.9	6949.2	6960.5	7448.0	8716.4	10799.6	11007.3
32.5°	8384.7	8283.1	8186.0	7845.2	7576.7	7488.6	7879.1	9131.7	11526.4	11858.1
35°	9481.5	9400.3	9296.5	8770.6	8357.6	8154.4	8461.4	9711.8	12377.2	12903.1
37.5°	10537.8	10467.8	10517.5	9808.8	9276.2	8980.5	9224.2	10490.4	13426.7	14203.1
40°	11630.2	11576.0	11582.8	10905.7	10285.0	9953.3	10149.6	11467.7	14629.7	15749.2
42.5°	12817.3	12776.7	12641.3	12041.0	11343.5	11034.3	11214.9	12596.2	15920.7	17509.6
45°	14146.7	14121.9	13995.5	13307.1	12508.1	12160.6	12404.3	13842.0	17218.4	19166.2
47.5°	15295.5	15315.8	15300.0	14720.0	13891.7	13381.6	13672.7	15142.0	18425.9	20723.5
50°	15848.5	15954.5	16110.3	15929.7	15415.1	14896.0	14952.4	16396.9	19577.0	22183.8
52.5°	15559.6	15760.4	16184.8	16473.6	16672.3	16563.9	16412.7	17642.8	20660.3	23501.9
55°	14483.0	14765.1	15469.3	16166.7	17180.1	17967.8	18166.4	19024.0	21716.6	24661.9
57.5°	12521.7	12979.9	13611.8	15022.4	16728.7	18647.1	20211.2	20940.2	22836.1	25901.0
60°	9158.8	9772.7	10558.1	12657.1	15148.8	18283.7	21951.3	23883.3	24427.2	27505.7
62.5°	5861.4	6240.5	6962.8	8939.9	11804.0	16421.7	22484.0	27562.2	27124.3	30137.4
65°	4012.9	4256.7	4917.9	6028.4	7630.8	12223.8	21057.6	30320.2	31408.0	34308.2
67.5°	2916.0	3101.1	3665.3	4638.1	4972.1	7233.6	16340.5	30193.8	35572.2	38605.5
70°	2126.1	2257.0	2730.9	3665.3	3825.6	4024.2	9899.1	25666.3	35481.9	39747.6
72.5°	1575.4	1665.6	1983.9	2843.8	3096.6	2717.4	4899.9	18653.9	30489.4	35951.3
75°	1139.8	1207.5	1442.2	2175.7	2478.2	2069.6	2444.3	10901.2	21267.5	25289.4
77.5°	871.2	923.1	1076.6	1593.4	1983.9	1552.8	1516.7	5015.0	10084.2	10133.8
80°	699.7	733.5	817.0	1121.7	1521.2	1162.3	988.6	2024.5	3186.8	2697.1
82.5°	514.6	571.0	690.6	787.7	1087.9	801.2	602.6	1022.4	1212.0	1042.7
85°	293.4	331.8	417.5	564.2	695.1	489.8	345.3	453.7	564.2	462.7
87.5°	103.8	135.4	146.7	221.2	302.4	203.1	133.2	130.9	185.1	137.7
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°
6236.0	0°	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0	6236.0
6303.7	2.5°	6281.2	6269.9	6224.7	6163.8	6100.6	6039.7	6019.3	5976.5	5947.1	5931.3
6450.4	5°	6407.5	6371.4	6265.4	6129.9	5987.7	5834.3	5725.9	5626.6	5554.4	5486.7
6651.3	7.5°	6588.1	6524.9	6342.1	6105.1	5852.3	5597.3	5407.7	5263.3	5166.2	5103.0
6886.0	10°	6798.0	6701.0	6421.1	6066.7	5676.3	5310.7	5087.2	4963.1	4902.1	4868.3
7154.6	12.5°	7039.5	6901.8	6502.3	5978.7	5407.7	4990.2	4836.7	4800.6	4802.8	4805.1
7493.2	15°	7337.4	7145.6	6567.8	5786.9	5057.9	4744.2	4717.1	4775.8	4836.7	4866.0
7876.8	17.5°	7673.7	7402.9	6579.1	5470.9	4714.8	4586.2	4671.9	4798.3	4890.9	4931.5
8305.7	20°	8034.8	7664.7	6497.8	5024.0	4432.7	4457.5	4611.0	4773.5	4875.1	4927.0
8795.4	22.5°	8447.8	7944.5	6303.7	4554.6	4202.5	4317.6	4498.1	4656.1	4762.2	4814.1
9371.0	25°	8919.6	8258.3	5999.0	4159.6	4003.9	4159.6	4340.2	4471.1	4556.8	4604.2
10014.2	27.5°	9443.2	8585.5	5592.8	3845.9	3830.1	3997.1	4146.1	4247.6	4292.8	4328.9
10698.1	30°	9969.0	8883.4	5100.8	3608.9	3678.9	3836.9	3942.9	3988.1	4001.6	4008.4
11460.9	32.5°	10537.8	9140.7	4583.9	3412.5	3534.4	3681.1	3744.3	3764.6	3701.4	3658.6
12386.3	35°	11226.2	9416.1	4078.4	3256.8	3392.2	3518.6	3538.9	3520.9	3446.4	3358.4
13546.4	37.5°	12077.1	9759.2	3674.4	3146.2	3259.1	3342.6	3317.8	3313.2	3320.0	3216.2
14941.2	40°	13119.8	10206.0	3378.7	3060.5	3150.7	3168.8	3098.8	3137.2	3171.0	3013.1
16471.4	42.5°	14277.6	10745.4	3191.4	3001.8	3060.5	3017.6	2909.2	2952.1	2947.6	2740.0
18008.4	45°	15458.0	11332.3	3125.9	2958.9	2976.9	2891.2	2771.6	2782.8	2688.1	2500.7
19482.2	47.5°	16631.6	11962.0	3166.5	2922.8	2873.1	2776.1	2683.5	2633.9	2494.0	2354.0
20895.1	50°	17782.7	12623.2	3315.5	2850.6	2730.9	2674.5	2606.8	2518.8	2369.8	2250.2
22231.2	52.5°	18850.2	13289.1	3482.5	2730.9	2552.6	2586.5	2543.6	2442.0	2295.3	2173.5
23495.1	55°	19861.4	13954.9	3548.0	2566.2	2385.6	2509.8	2484.9	2297.6	2121.6	2022.2
24817.7	57.5°	20962.8	14756.1	3475.7	2356.3	2250.2	2421.7	2326.9	2119.3	2017.7	1943.3
26539.7	60°	22488.5	16013.2	3320.0	2096.7	2121.6	2290.8	2128.3	2042.6	1932.0	1848.5
29121.7	62.5°	25023.1	18358.2	3069.5	1839.4	1970.3	2096.7	2033.5	1947.8	1834.9	1753.7
33536.4	65°	28769.6	21617.3	2597.8	1638.6	1801.1	1907.1	1932.0	1846.2	1728.8	1643.1
37404.8	67.5°	31929.4	23662.1	1965.8	1471.5	1627.3	1753.7	1823.6	1740.1	1616.0	1532.5
38309.9	70°	31755.6	22177.0	1500.9	1306.8	1473.8	1602.5	1692.7	1627.3	1494.1	1415.1
34798.0	72.5°	28205.4	18552.3	1214.3	1139.8	1318.1	1444.5	1552.8	1503.1	1367.7	1291.0
25492.5	75°	20721.3	13169.4	970.5	970.5	1124.0	1279.7	1399.3	1367.7	1243.6	1189.4
10702.6	77.5°	8734.5	5525.1	760.6	805.7	934.4	1099.1	1248.1	1259.4	1151.1	1218.8
2830.2	80°	2322.4	1523.5	580.0	634.2	733.5	907.3	1085.6	1081.1	963.7	900.5
1051.7	82.5°	884.7	600.4	413.0	446.9	530.4	695.1	859.9	887.0	769.6	665.8
413.0	85°	340.8	257.3	255.0	268.6	309.2	460.4	650.0	672.6	580.0	492.0
115.1	87.5°	88.0	76.7	94.8	90.3	142.2	246.0	372.4	385.9	354.3	205.4
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>
6236.0
5949.4
5513.8
5116.6
4877.3
4809.6
4863.8
4940.5
4940.5
4827.7
4617.8
4342.4
4024.2
3672.1
3362.9
3223.0
3017.6
2737.7
2507.5
2354.0
2241.2
2175.7
2013.2
1936.5
1843.9
1753.7
1647.6
1534.7
1421.9
1291.0
1173.6
1105.9
837.3
665.8
507.8
293.4
0.0

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