

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: P952450

Luminaire Tested: **GALN-SB6B-750-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-750-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37087 lumens
Efficiency: N/A
Efficacy: 168.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

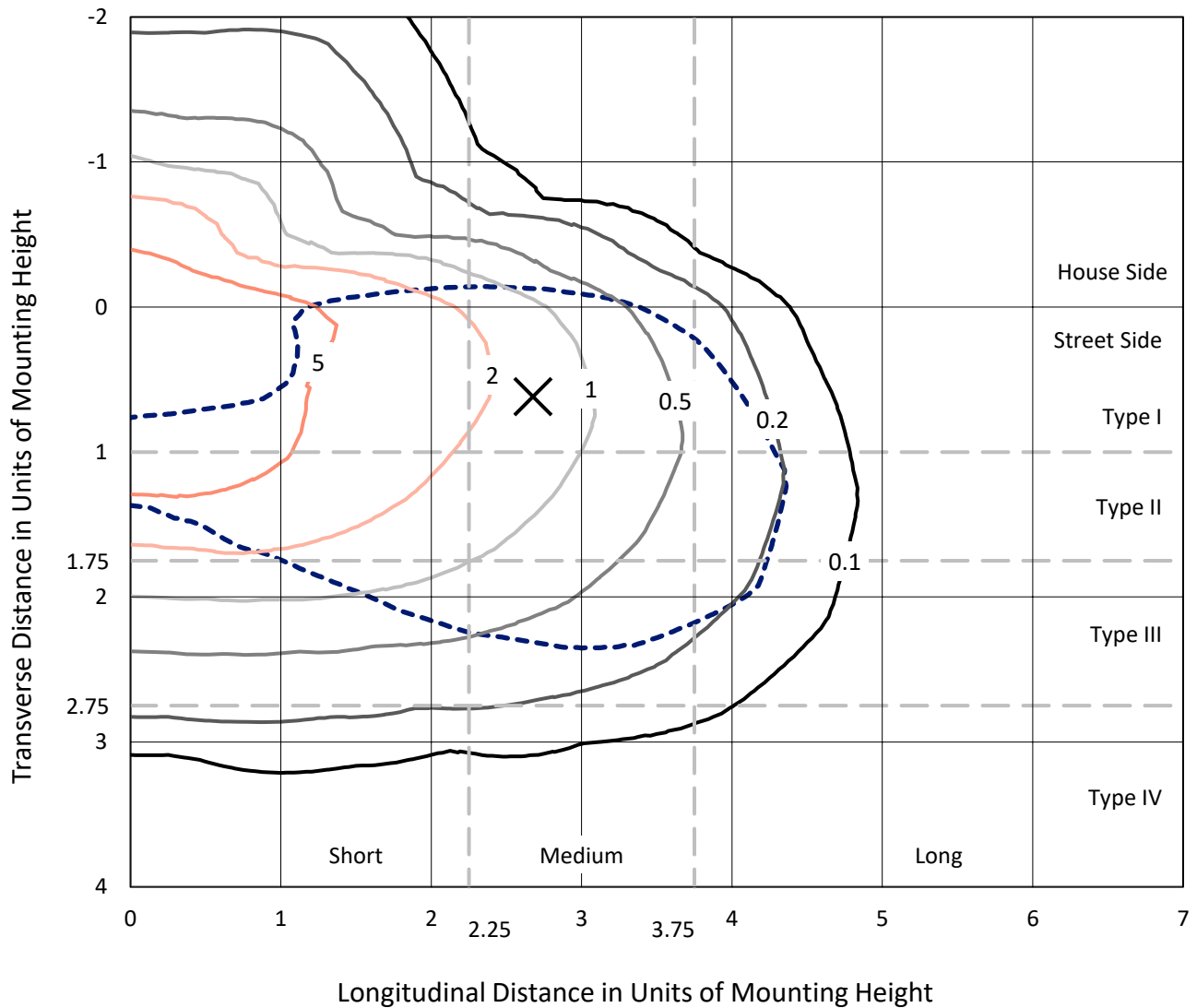
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

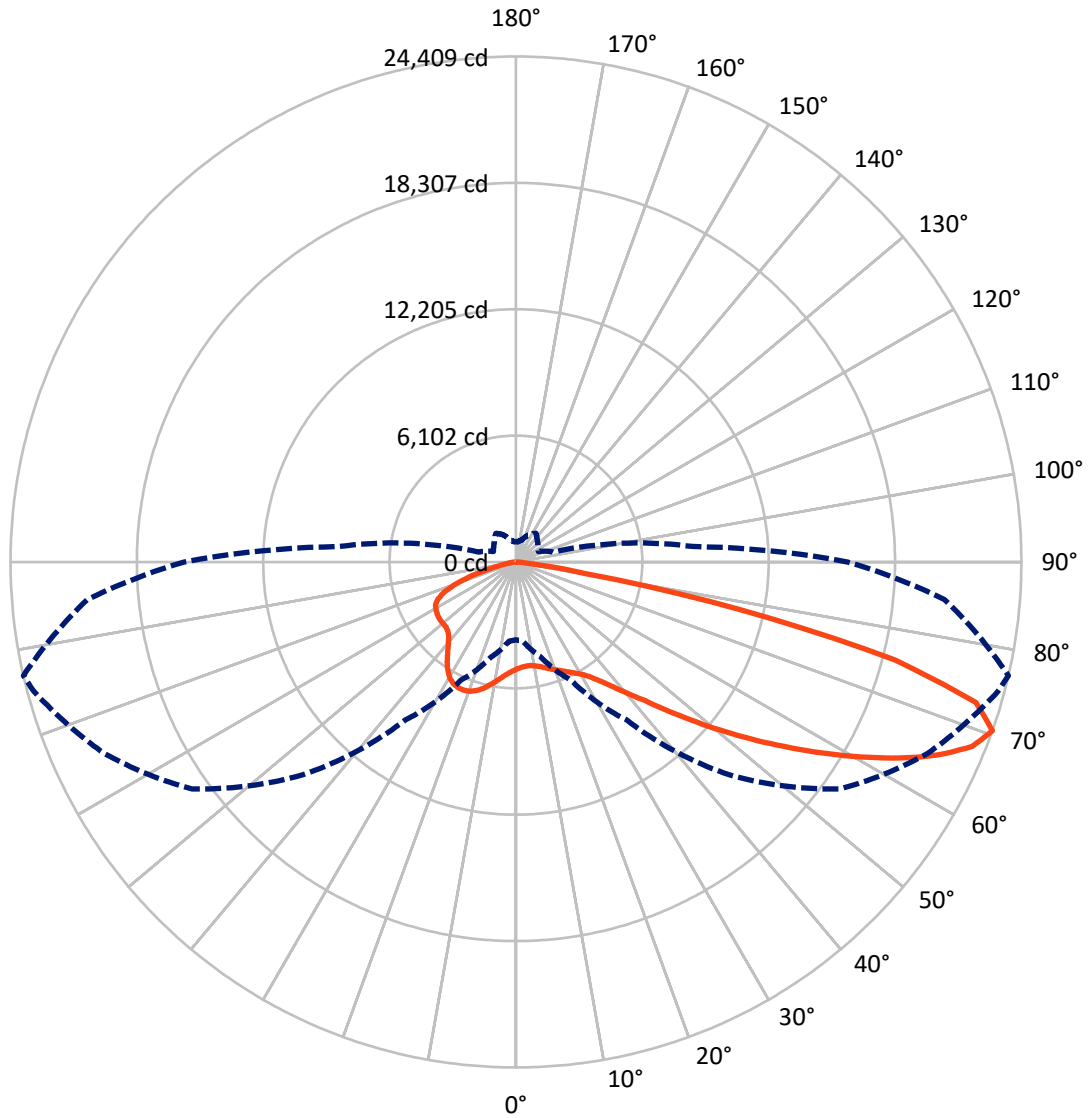
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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	8121.5	0.0	8121.5
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	28965.5	0.0	28965.5
	% Fixture	78.1	0.0	78.1
Total	Lumens	37087.0	0.0	37087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	493.5	1.3
10°-20°	1424.2	3.8
20°-30°	2435.5	6.6
30°-40°	3916.6	10.6
40°-50°	6114.8	16.5
50°-60°	8167.9	22.0
60°-70°	8705.7	23.5
70°-80°	5359.2	14.5
80°-90°	469.6	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°	37087.0	100.0
0°-180°	37087.0	100.0

Coefficient of Utilization



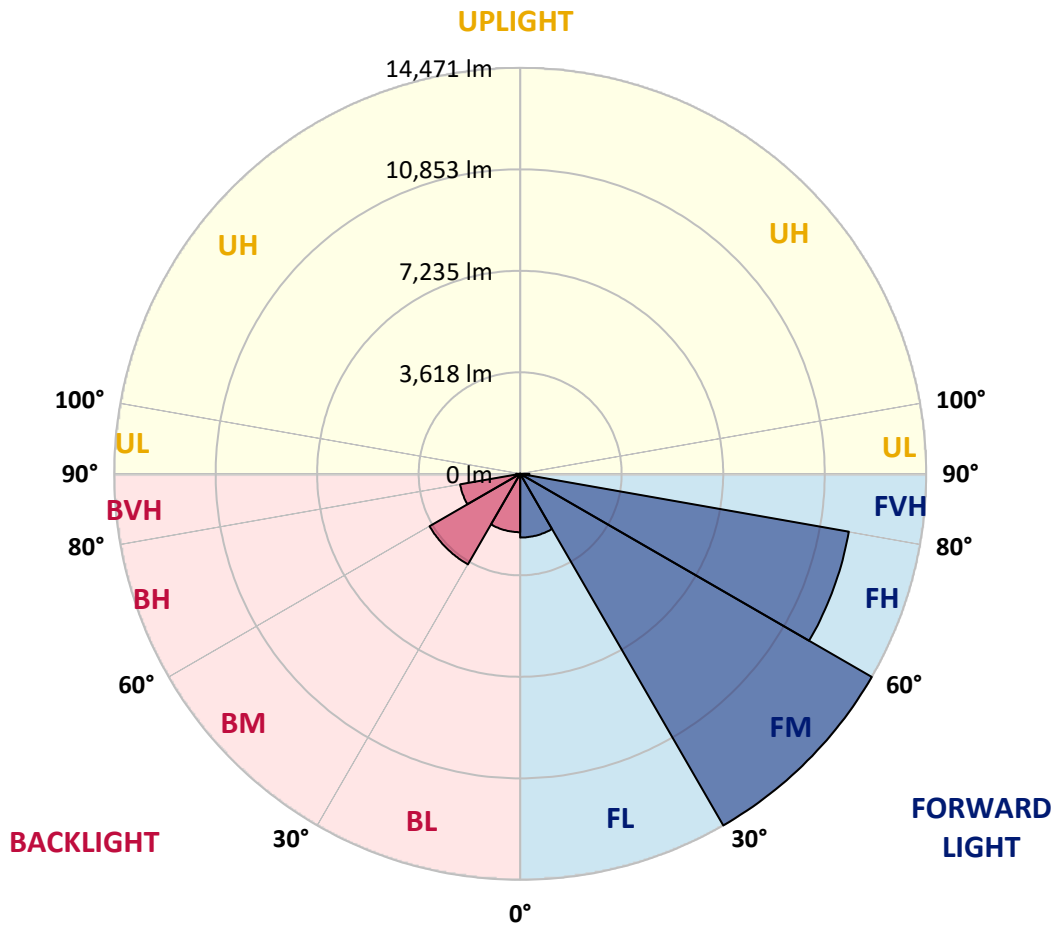
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2272.2	6.1			
FM (30°-60°)	14470.5	39.0			
FH (60°-80°)	11894.4	32.1			G4/12000
FVH (80°-90°)	328.4	0.9			G3/500
BL (0°-30°)	2081.0	5.6	B3/2500		
BM (30°-60°)	3728.8	10.1	B3/5000		
BH (60°-80°)	2170.5	5.9	B3/2500		G3/2500
BVH (80°-90°)	141.2	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0
2.5°	4769.4	4767.5	4792.2	4799.8	4845.4	4877.7	4938.4	5003.0	5086.6	5096.1
5°	4494.0	4494.0	4522.5	4552.9	4611.8	4676.3	4769.4	4881.5	5025.8	5048.6
7.5°	4260.4	4275.6	4300.2	4359.1	4427.5	4520.6	4663.0	4822.6	5012.5	5048.6
10°	4072.3	4089.4	4119.8	4167.3	4269.9	4399.0	4585.2	4790.3	5044.8	5101.8
12.5°	4013.4	4030.5	4047.6	4083.7	4178.7	4330.6	4552.9	4805.5	5122.7	5179.7
15°	4150.2	4171.1	4157.8	4148.3	4197.7	4336.3	4568.1	4860.6	5219.6	5301.2
17.5°	4465.5	4473.1	4442.7	4353.4	4345.8	4419.9	4640.2	4936.5	5341.1	5430.4
20°	4974.5	4961.2	4898.6	4721.9	4621.2	4606.1	4763.7	5050.5	5466.5	5561.5
22.5°	5665.9	5650.7	5525.4	5246.2	5022.0	4873.9	4942.2	5198.7	5607.0	5713.4
25°	6528.2	6507.4	6323.1	5943.2	5595.6	5229.1	5185.4	5394.3	5779.9	5878.7
27.5°	7534.9	7517.8	7318.4	6817.0	6315.5	5715.3	5487.4	5624.1	5960.3	6072.4
30°	8617.6	8667.0	8313.7	7774.3	7139.9	6349.7	5893.8	5907.1	6194.0	6294.6
32.5°	9890.2	9975.7	9550.2	8866.4	8000.3	7039.2	6406.7	6302.2	6533.9	6617.5
35°	11151.4	11248.3	10895.0	10139.0	9141.8	7852.1	6942.3	6756.2	6986.0	7077.2
37.5°	12241.7	12370.8	12188.5	11531.3	10363.1	8832.2	7641.3	7289.9	7542.5	7656.5
40°	13102.1	13299.6	13286.3	12876.1	11802.9	10021.3	8528.3	7949.0	8233.9	8357.4
42.5°	13801.1	13972.0	14120.2	14099.3	13305.3	11371.7	9571.1	8805.6	9022.2	9164.6
45°	14283.5	14465.9	14785.0	15128.7	14750.8	12817.2	10765.8	9821.8	10019.4	10234.0
47.5°	14714.7	14921.7	15335.8	15880.9	15977.8	14268.3	12074.5	11005.1	11185.6	11407.8
50°	14752.7	14931.2	15573.2	16346.3	16849.6	15662.5	13480.1	12332.8	12501.9	12739.3
52.5°	13835.3	14116.4	15237.0	16333.0	17250.4	16828.7	14876.1	13713.7	13903.6	14188.5
55°	10739.2	11151.4	14251.2	15823.9	17107.9	17582.8	16203.8	15181.9	15425.1	15723.3
57.5°	9250.1	9430.5	11312.8	14897.0	16458.3	17778.4	17324.5	16665.4	17056.6	17383.3
60°	8313.7	8463.7	9576.8	13455.4	15603.6	17468.8	18190.6	18048.1	18724.3	19113.7
62.5°	7310.8	7453.3	8465.6	11235.0	14509.5	16954.1	18737.6	19324.5	20433.8	20859.2
65°	6315.5	6437.1	7407.7	9440.0	13119.2	16439.3	19020.6	20428.1	22016.0	22456.6
67.5°	5206.3	5306.9	6224.3	7964.2	11428.7	15734.7	19161.2	21296.1	23393.1	23771.0
70°	3757.0	3834.9	4782.7	6298.4	9307.1	14522.8	19104.2	21911.5	24107.2	24409.2
72.5°	1775.9	1846.2	2959.3	4089.4	6573.8	12163.8	17951.3	21423.4	23381.7	23231.6
75°	947.8	1008.6	1700.0	2243.2	3472.1	8338.4	14690.0	18454.6	19634.1	18904.8
77.5°	642.0	689.5	1052.3	1346.7	1586.0	3958.4	9441.9	12777.3	12292.9	11088.7
80°	509.0	558.4	862.3	911.7	767.4	1430.3	3901.4	5914.7	4249.0	3398.0
82.5°	391.3	446.4	725.6	661.0	417.9	586.9	1135.8	1870.9	1088.4	828.1
85°	239.3	298.2	569.8	421.7	235.5	267.8	385.6	520.4	332.4	277.3
87.5°	121.6	170.9	288.7	153.9	106.4	62.7	102.6	102.6	87.4	76.0
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°
5174.0	0°	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0	5174.0
5147.4	2.5°	5193.0	5231.0	5295.5	5356.3	5403.8	5449.4	5495.0	5519.7	5527.3	5557.7
5175.9	5°	5253.7	5324.0	5449.4	5567.2	5641.2	5686.8	5719.1	5738.1	5741.9	5751.4
5253.7	7.5°	5365.8	5477.9	5652.6	5770.4	5825.5	5821.7	5808.4	5760.9	5741.9	5724.8
5367.7	10°	5523.5	5671.6	5886.3	5967.9	5933.7	5842.6	5724.8	5586.1	5521.6	5458.9
5523.5	12.5°	5719.1	5907.1	6118.0	6114.2	5945.1	5711.5	5438.0	5225.3	5090.4	4993.5
5715.3	15°	5956.5	6173.1	6334.5	6205.4	5835.0	5415.2	5014.4	4737.1	4615.6	4509.2
5909.0	17.5°	6201.6	6433.3	6507.4	6176.9	5557.7	4976.4	4522.5	4304.0	4184.4	4127.4
6118.0	20°	6440.9	6670.7	6609.9	6013.5	5136.0	4478.8	4074.2	3954.6	3929.9	3943.2
6321.2	22.5°	6693.5	6898.6	6630.8	5698.2	4598.5	3969.8	3747.5	3751.3	3806.4	3846.3
6533.9	25°	6951.8	7090.5	6575.7	5242.4	4021.0	3595.6	3540.5	3601.3	3709.5	3787.4
6773.3	27.5°	7200.6	7261.4	6456.1	4678.2	3525.3	3327.8	3337.3	3462.6	3626.0	3734.2
7063.9	30°	7481.7	7413.4	6226.2	4043.8	3181.5	3097.9	3177.7	3324.0	3487.3	3584.2
7430.5	32.5°	7799.0	7544.4	5861.6	3456.9	2938.4	2913.7	3044.7	3139.7	3211.9	3240.4
7916.7	35°	8194.0	7728.7	5394.3	3044.7	2719.9	2778.8	2904.2	2856.7	2828.2	2813.0
8570.1	37.5°	8706.9	7977.5	4847.3	2776.9	2543.3	2682.0	2733.2	2585.1	2473.0	2417.9
9362.2	40°	9324.2	8342.2	4321.1	2569.9	2431.2	2598.4	2509.1	2330.6	2188.1	2110.2
10253.0	42.5°	10009.9	8724.0	3878.6	2414.1	2368.6	2530.0	2343.9	2131.1	1901.3	1876.6
11314.7	45°	10729.7	9117.1	3576.6	2294.5	2338.2	2471.1	2248.9	1905.1	1741.8	1842.4
12380.3	47.5°	11449.6	9478.0	3394.2	2205.2	2323.0	2404.6	2165.3	1779.7	1663.9	1810.1
13521.9	50°	12251.2	9800.9	3312.6	2140.6	2305.9	2378.1	2040.0	1747.5	1582.2	1679.1
14703.3	52.5°	13047.0	10051.6	3251.8	2076.0	2281.2	2357.2	1979.2	1709.5	1483.4	1489.1
15892.3	55°	13841.0	10215.0	3185.3	1990.6	2226.1	2311.6	1973.5	1667.7	1409.4	1382.8
17149.7	57.5°	14688.1	10308.1	3103.6	1895.6	2131.1	2195.7	1967.8	1635.4	1386.6	1342.9
18435.6	60°	15550.4	10444.8	2997.3	1779.7	2003.9	2057.1	1954.5	1624.0	1373.3	1299.2
19647.4	62.5°	16323.5	10492.3	2870.0	1669.6	1840.5	1920.3	1926.0	1614.5	1337.2	1209.9
20654.1	65°	16830.6	10287.2	2647.8	1544.2	1663.9	1779.7	1870.9	1582.2	1272.6	1145.3
21151.8	67.5°	16809.7	9702.2	2300.2	1382.8	1492.9	1624.0	1791.1	1527.1	1194.7	1065.6
20775.7	70°	16027.2	8547.3	1859.5	1194.7	1304.9	1456.8	1688.6	1445.4	1101.7	978.2
18473.6	72.5°	13746.0	6689.7	1350.5	974.4	1086.5	1284.0	1555.6	1346.7	1006.7	900.3
13652.9	75°	9819.9	4233.8	915.5	748.4	845.2	1088.4	1390.4	1230.8	919.3	904.1
6837.9	77.5°	5016.3	2022.9	605.9	547.0	588.8	858.5	1168.1	1099.8	932.6	746.5
1945.0	80°	1631.6	746.5	381.8	372.3	391.3	571.7	904.1	902.2	706.6	507.1
471.1	82.5°	520.4	321.0	248.8	239.3	229.8	359.0	630.6	714.2	476.8	321.0
169.0	85°	207.0	191.8	146.3	134.9	96.9	169.0	330.5	474.9	355.2	231.7
43.7	87.5°	76.0	76.0	39.9	28.5	20.9	57.0	89.3	142.5	203.2	119.7
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>
5174.0
5574.7
5766.6
5728.6
5439.9
4970.7
4497.8
4144.5
3937.5
3855.8
3808.3
3760.8
3607.0
3255.6
2828.2
2431.2
2115.9
1901.3
1895.6
1878.5
1751.2
1529.0
1401.8
1348.6
1304.9
1209.9
1145.3
1071.3
989.6
894.6
852.8
664.8
448.3
319.1
237.4
117.8
0.0

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