

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: P953385

Luminaire Tested: **GALN-SB6D-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
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-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41954 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

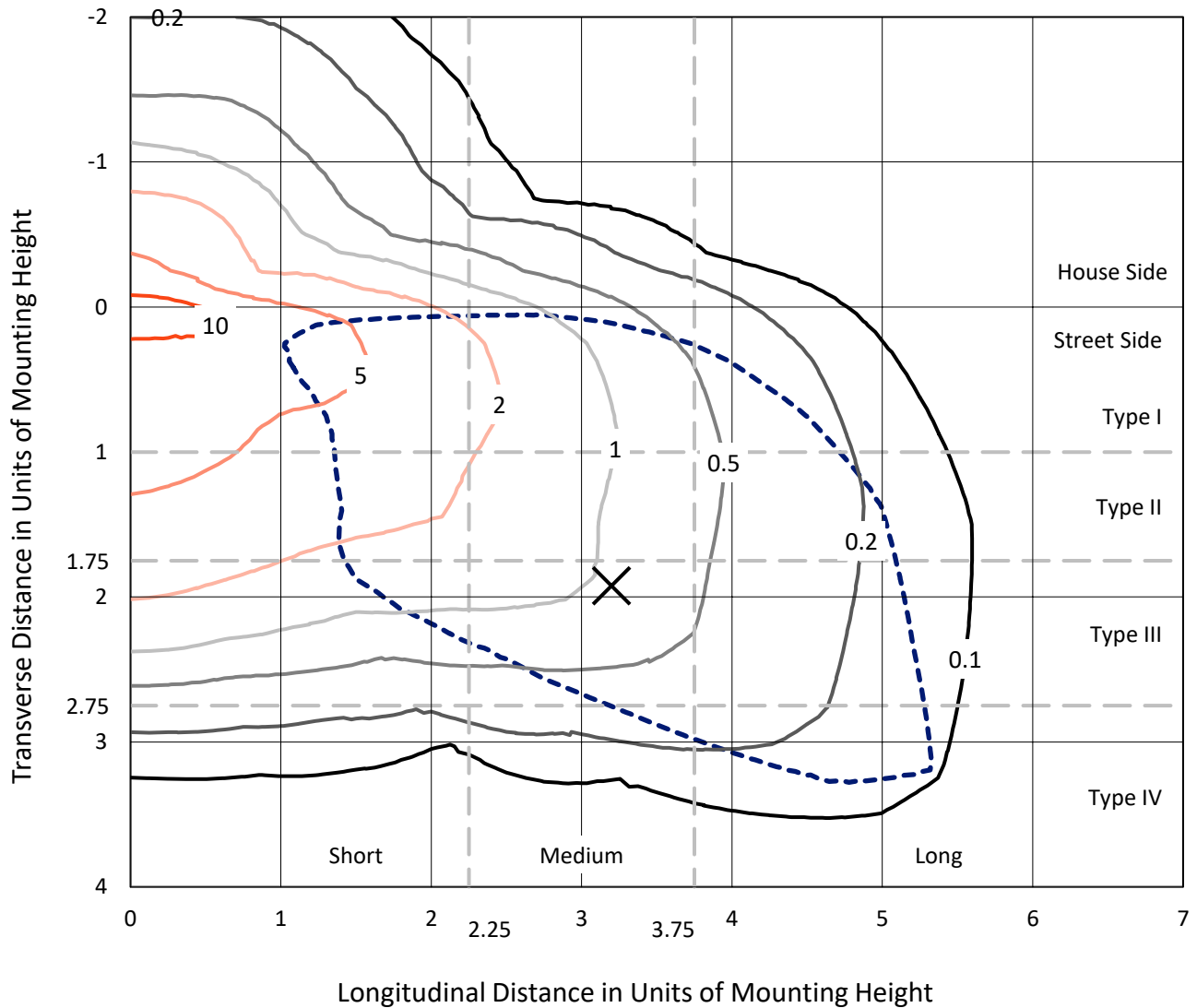
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

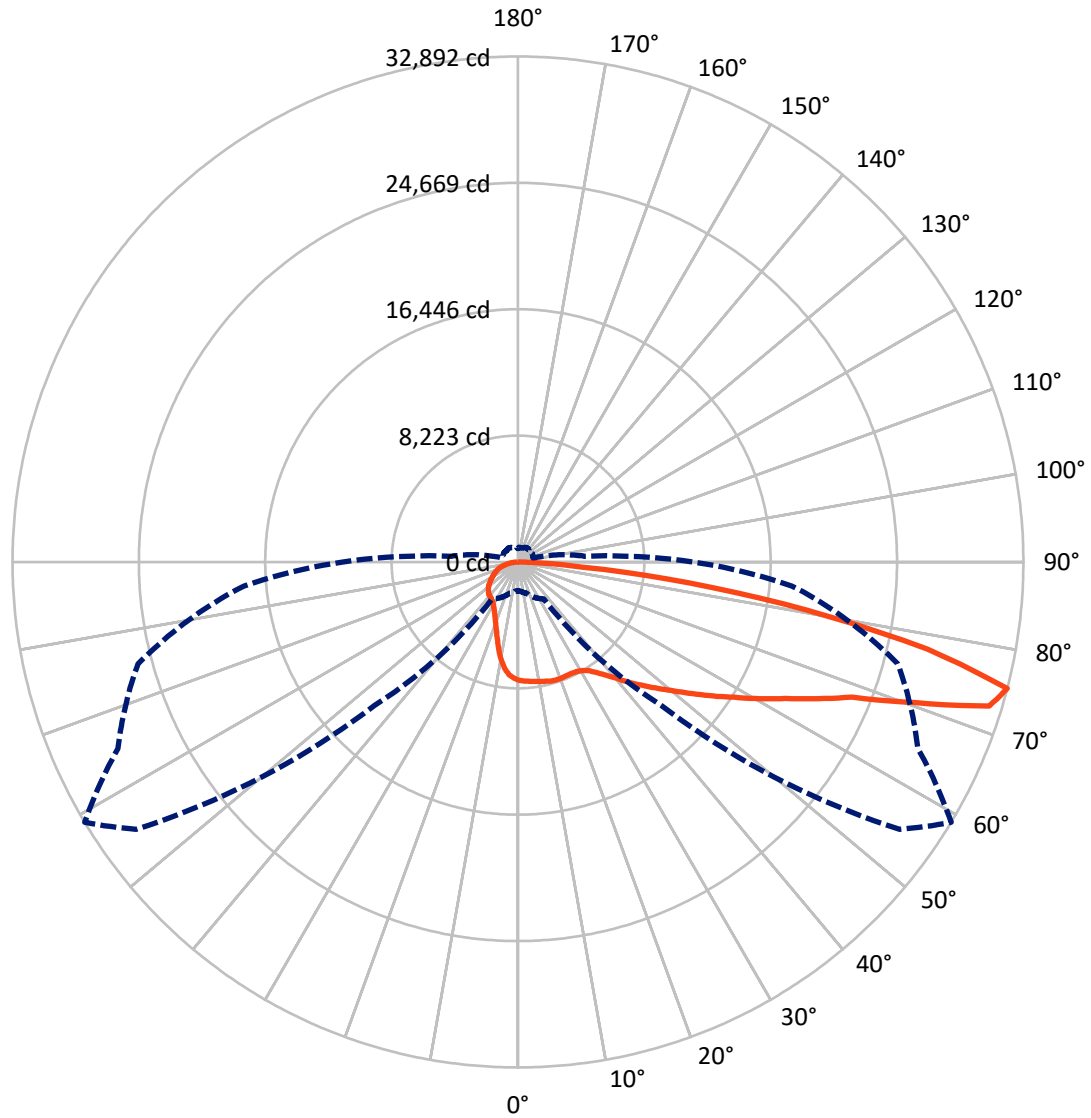
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7868.8	0.0	7868.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	34085.2	0.0	34085.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	41954.0	0.0	41954.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	690.5	1.6
10°-20°	1764.9	4.2
20°-30°	2680.8	6.4
30°-40°	3984.9	9.5
40°-50°	5926.2	14.1
50°-60°	8044.1	19.2
60°-70°	9820.6	23.4
70°-80°	7707.0	18.4
80°-90°	1335.0	3.2
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°	41954.0	100.0
0°-180°	41954.0	100.0

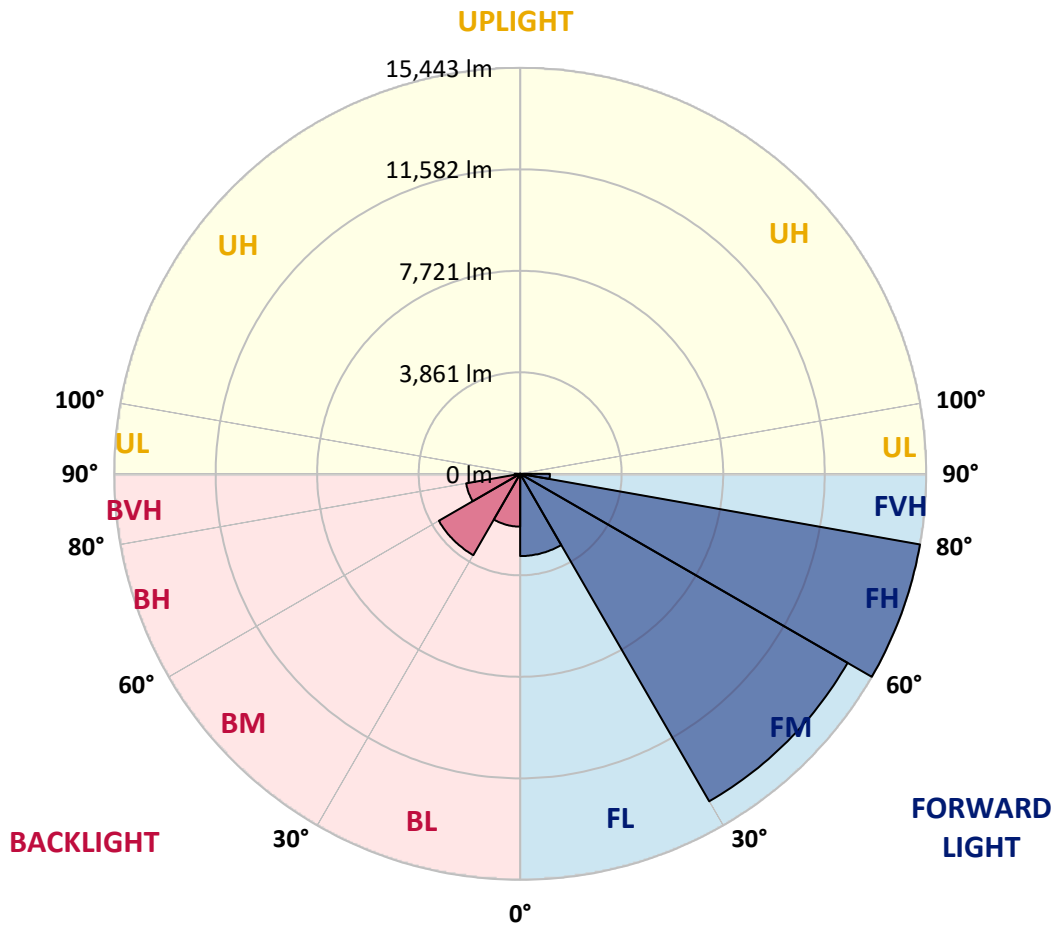


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3128.1	7.5			
FM (30°-60°)	14383.6	34.3			
FH (60°-80°)	15442.9	36.8			G5
FVH (80°-90°)	1130.7	2.7			G5
BL (0°-30°)	2008.0	4.8	B3/2500		
BM (30°-60°)	3571.6	8.5	B3/5000		
BH (60°-80°)	2084.7	5.0	B3/2500		G3/2500
BVH (80°-90°)	204.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6
2.5°	7766.0	7738.9	7766.0	7754.7	7750.2	7741.2	7743.4	7759.2	7750.2	7761.5
5°	7714.1	7698.3	7725.4	7718.6	7748.0	7752.5	7781.8	7799.9	7811.2	7813.4
7.5°	7628.3	7612.5	7650.9	7682.5	7745.7	7763.8	7824.7	7854.0	7869.8	7896.9
10°	7314.6	7307.9	7402.7	7522.3	7671.2	7763.8	7856.3	7905.9	7930.8	8003.0
12.5°	6759.4	6768.5	6892.6	7122.8	7420.7	7718.6	7892.4	7964.6	8003.0	8093.3
15°	6229.1	6226.8	6362.2	6608.2	7025.7	7520.0	7910.5	8034.6	8100.0	8233.2
17.5°	5922.1	5913.1	6007.9	6195.2	6583.4	7215.3	7865.3	8073.0	8212.9	8379.9
20°	5865.7	5847.6	5897.3	5989.8	6265.2	6881.3	7748.0	8073.0	8303.2	8519.8
22.5°	6071.1	6041.7	6021.4	6010.1	6132.0	6606.0	7614.8	8045.9	8436.3	8720.7
25°	6484.1	6439.0	6335.1	6233.6	6197.5	6481.8	7497.4	8039.1	8634.9	8991.5
27.5°	7152.1	7095.7	6885.8	6642.1	6423.2	6545.0	7445.5	8079.7	8853.8	9278.1
30°	7980.4	7919.5	7655.4	7280.8	6888.1	6779.7	7511.0	8199.3	9133.7	9659.6
32.5°	8722.9	8655.2	8429.5	8048.1	7517.8	7186.0	7718.6	8427.3	9573.8	10189.9
35°	9382.0	9303.0	9099.8	8747.8	8289.6	7757.0	8093.3	8831.3	10199.0	11052.1
37.5°	10027.4	9934.9	9713.7	9341.3	9020.9	8517.6	8610.1	9350.4	11029.5	12099.3
40°	10749.6	10616.5	10347.9	9980.0	9668.6	9409.0	9289.4	9986.8	11873.6	13268.4
42.5°	11449.3	11322.9	11002.4	10688.7	10298.3	10223.8	10077.1	10731.6	12796.7	14552.5
45°	12203.1	12051.9	11663.7	11266.5	11020.5	10765.4	10839.9	11476.4	13701.7	15861.5
47.5°	12909.5	12740.2	12282.1	11839.7	11704.3	11221.3	11539.6	12295.6	14642.8	17188.6
50°	13290.9	13123.9	12742.5	12343.0	12236.9	11783.3	12297.9	13196.1	15629.1	18511.1
52.5°	13609.1	13428.6	12929.8	12708.6	12677.0	12394.9	13232.2	14225.3	16615.3	19680.2
55°	13947.7	13746.8	13110.4	12911.8	13056.2	13081.0	14340.4	15392.1	17658.0	20820.0
57.5°	14338.1	14083.1	13284.1	13083.3	13426.3	13884.5	15613.3	16601.8	18682.7	21876.2
60°	14706.0	14448.7	13618.2	13356.4	13825.8	14816.6	17073.5	18066.5	19842.7	22817.3
62.5°	14778.2	14566.1	13884.5	13882.2	14367.5	15904.4	18802.3	19544.8	20856.1	23747.2
65°	13527.9	13394.7	12990.8	13861.9	15143.8	17470.7	20727.4	21436.1	22144.8	24559.7
67.5°	10296.0	10314.1	10284.7	11966.1	14516.4	19720.8	23514.7	23460.5	23735.9	25471.4
70°	4707.9	4814.0	5504.6	8260.3	11629.8	19980.4	28123.3	27421.4	25733.2	26651.8
72.5°	2543.5	2624.8	2906.9	4001.5	6991.9	17764.1	31567.3	32066.1	28389.6	27446.2
75°	1866.5	1911.6	2108.0	2543.5	2936.2	13202.9	30332.8	32892.1	28721.4	25593.3
77.5°	1397.0	1417.3	1577.6	2015.4	1503.1	6960.3	24236.9	27240.9	24586.7	21027.6
80°	1013.4	1035.9	1155.5	1512.1	1054.0	2545.8	16642.4	19120.5	16838.8	13403.8
82.5°	699.6	708.7	760.6	1029.1	735.8	988.5	9442.9	11212.3	9400.0	4703.4
85°	422.0	433.3	455.9	600.3	417.5	469.4	4076.0	4215.9	2809.8	1123.9
87.5°	173.8	185.1	203.1	252.8	164.8	130.9	672.6	844.1	525.9	329.5
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°
7700.6	0°	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6	7700.6
7723.1	2.5°	7711.8	7696.0	7653.2	7594.5	7540.3	7472.6	7443.3	7418.4	7395.9	7353.0
7784.1	5°	7759.2	7716.4	7601.3	7452.3	7283.0	7098.0	6917.4	6793.3	6687.2	6608.2
7854.0	7.5°	7831.5	7750.2	7540.3	7235.6	6847.5	6450.2	6091.4	5836.4	5644.5	5574.6
7953.3	10°	7905.9	7808.9	7443.3	6906.1	6235.8	5624.2	5148.0	4886.2	4732.7	4683.1
8070.7	12.5°	7994.0	7851.8	7292.1	6448.0	5552.0	4881.7	4466.4	4312.9	4234.0	4206.9
8215.1	15°	8122.6	7887.9	7064.1	5874.7	4899.7	4340.0	4071.5	3965.4	3924.8	3922.5
8364.1	17.5°	8219.7	7894.7	6709.8	5260.8	4398.7	4012.8	3791.6	3751.0	3778.1	3818.7
8510.8	20°	8328.0	7833.7	6244.9	4701.1	4046.6	3726.2	3633.6	3660.7	3726.2	3784.8
8704.9	22.5°	8404.7	7723.1	5682.9	4265.6	3742.0	3561.4	3556.9	3613.3	3649.4	3678.8
8932.8	25°	8472.4	7535.8	5087.1	3899.9	3491.4	3462.1	3511.7	3493.7	3468.9	3493.7
9160.8	27.5°	8522.1	7240.2	4554.4	3579.5	3315.4	3394.4	3365.0	3324.4	3322.2	3335.7
9429.4	30°	8506.3	6845.2	4116.6	3274.8	3191.3	3268.0	3198.0	3191.3	3184.5	3191.3
9833.3	32.5°	8506.3	6396.1	3780.3	3064.9	3112.3	3082.9	3076.2	3060.4	3033.3	3031.0
10381.8	35°	8553.7	5946.9	3491.4	2952.0	3046.8	2976.9	2981.4	2943.0	2886.6	2859.5
11108.5	37.5°	8650.7	5585.8	3204.8	2897.9	2931.7	2929.5	2911.4	2846.0	2746.7	2660.9
12015.8	40°	8885.4	5479.8	3008.5	2873.0	2877.6	2904.6	2857.2	2730.9	2505.2	2365.2
12936.6	42.5°	9253.3	5658.1	2965.6	2812.1	2841.4	2868.5	2776.0	2482.6	2322.4	2238.9
13902.5	45°	9720.5	5969.5	3058.1	2724.1	2755.7	2803.1	2527.7	2387.8	2315.6	2317.8
14859.5	47.5°	10311.8	6296.8	3229.6	2647.4	2631.6	2658.6	2363.0	2277.2	2177.9	2202.7
15778.0	50°	10995.6	6628.5	3392.1	2543.5	2493.9	2405.9	2256.9	2175.7	2049.3	1990.6
16665.0	52.5°	11735.9	6949.0	3457.6	2417.1	2344.9	2243.4	2184.7	2085.4	1931.9	1834.9
17502.3	55°	12437.8	7240.2	3385.4	2265.9	2196.0	2117.0	2108.0	2047.0	1882.3	1746.8
18247.1	57.5°	13101.3	7483.9	3204.8	2112.5	2044.8	1997.4	2058.3	2029.0	1821.3	1647.5
18951.2	60°	13663.3	7650.9	2943.0	1956.7	1909.3	1884.5	1977.0	1968.0	1735.6	1541.5
19583.2	62.5°	14110.2	7716.4	2654.1	1807.8	1796.5	1751.4	1864.2	1864.2	1627.2	1437.6
20138.4	65°	14460.0	7653.2	2360.7	1661.1	1683.7	1615.9	1726.5	1713.0	1512.1	1345.1
20777.1	67.5°	14769.2	7445.5	2035.7	1516.6	1568.5	1482.8	1582.1	1550.5	1385.7	1252.6
21330.0	70°	14906.9	6962.6	1665.6	1372.2	1435.4	1351.9	1437.6	1379.0	1243.6	1153.3
20722.9	72.5°	13801.0	5786.7	1311.3	1221.0	1275.2	1207.4	1281.9	1214.2	1090.1	1049.5
17895.0	75°	11417.7	4342.3	1008.8	1056.2	1096.9	1044.9	1094.6	1044.9	932.1	961.4
13218.7	77.5°	8291.9	2931.7	771.9	882.5	900.5	873.4	916.3	859.9	758.3	751.5
6587.9	80°	4123.4	1717.5	604.9	697.4	690.6	672.6	722.2	695.1	609.4	645.5
1778.4	82.5°	1193.9	735.8	440.1	489.7	476.2	480.7	516.8	530.4	794.4	787.7
552.9	85°	374.6	288.9	264.1	273.1	259.5	266.3	304.7	604.9	559.7	327.3
171.5	87.5°	97.0	99.3	65.5	70.0	72.2	85.8	97.0	367.9	176.0	115.1
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>
7700.6
7332.7
6542.8
5452.7
4606.3
4213.6
3931.5
3834.5
3805.1
3694.6
3509.5
3358.3
3216.1
3060.4
2886.6
2690.2
2383.3
2238.9
2329.1
2265.9
2006.4
1832.6
1746.8
1638.5
1534.7
1430.9
1336.1
1243.6
1135.2
1015.6
877.9
717.7
638.7
805.7
354.3
121.9
0.0

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