

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: P954435

Luminaire Tested: **GALN-SB7C-940-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954435
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-SB7C-940-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37719 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

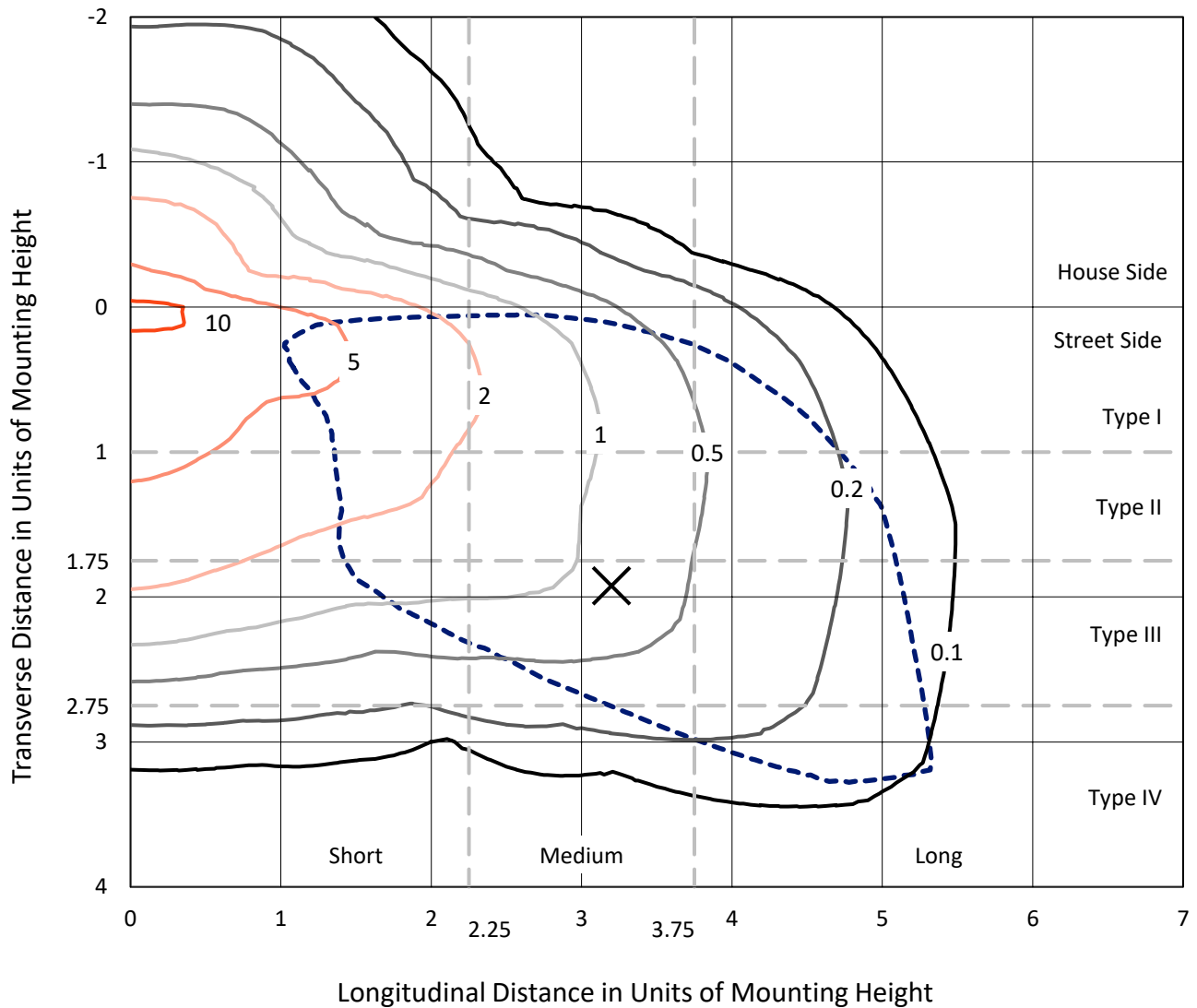
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

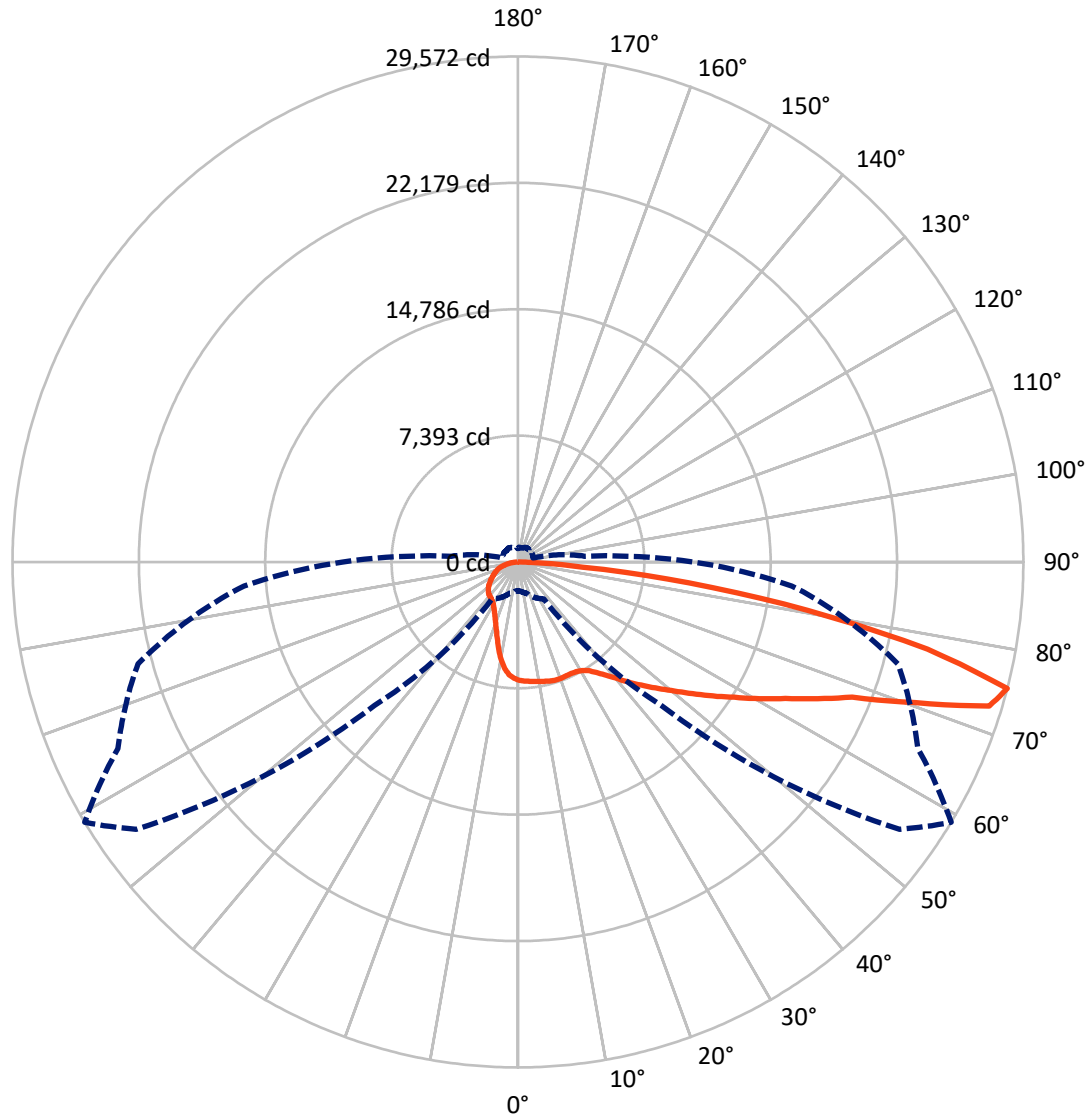
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 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	7074.5	0.0	7074.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	30644.5	0.0	30644.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	37719.0	0.0	37719.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.8	1.6
10°-20°	1586.8	4.2
20°-30°	2410.2	6.4
30°-40°	3582.6	9.5
40°-50°	5328.0	14.1
50°-60°	7232.1	19.2
60°-70°	8829.2	23.4
70°-80°	6929.1	18.4
80°-90°	1200.3	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°	37719.0	100.0
0°-180°	37719.0	100.0

Coefficient of Utilization



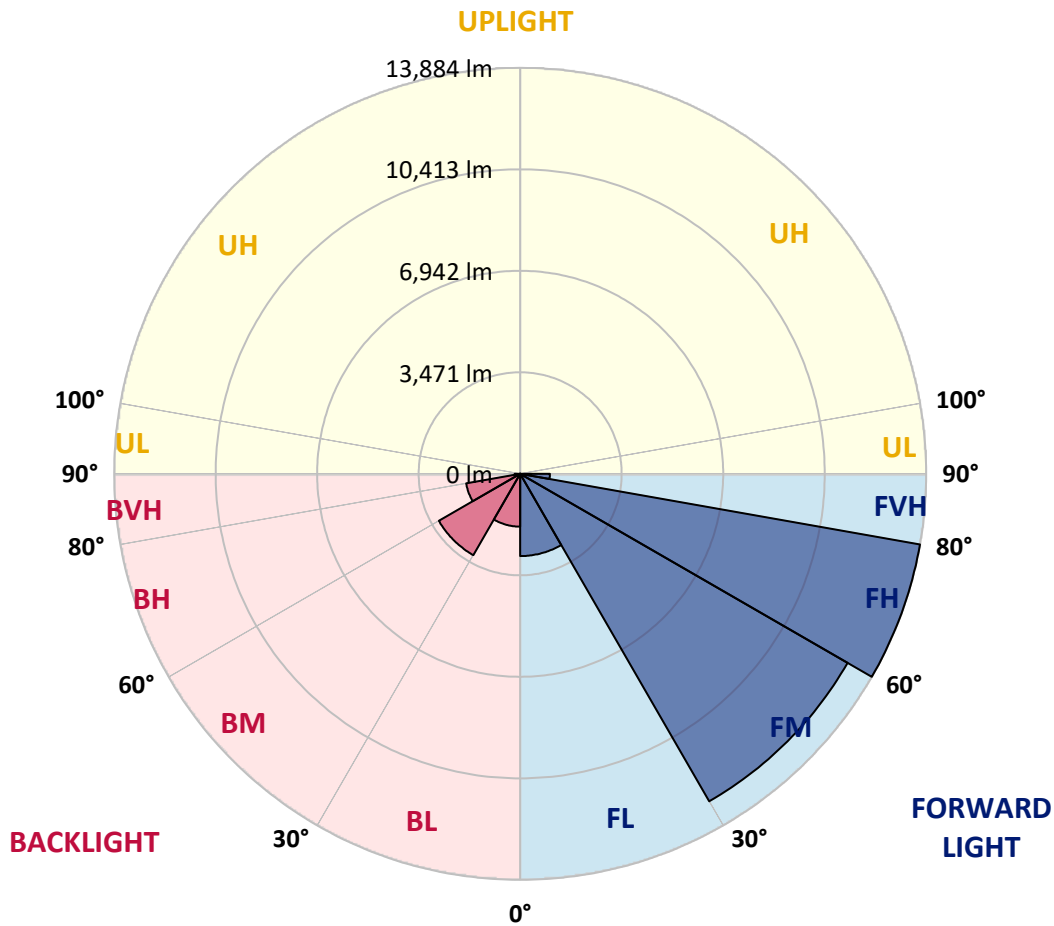
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2812.4	7.5			
FM (30°-60°)	12931.6	34.3			
FH (60°-80°)	13884.0	36.8			G5
FVH (80°-90°)	1016.5	2.7			G5
BL (0°-30°)	1805.3	4.8	B3/2500		
BM (30°-60°)	3211.1	8.5	B3/5000		
BH (60°-80°)	1874.3	5.0	B3/2500		G3/2500
BVH (80°-90°)	183.7	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°	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2
2.5°	6982.1	6957.7	6982.1	6971.9	6967.9	6959.8	6961.8	6976.0	6967.9	6978.0
5°	6935.4	6921.2	6945.6	6939.5	6965.8	6969.9	6996.3	7012.5	7022.7	7024.7
7.5°	6858.3	6844.1	6878.6	6907.0	6963.8	6980.1	7034.8	7061.2	7075.4	7099.8
10°	6576.3	6570.2	6655.4	6762.9	6896.9	6980.1	7063.2	7107.9	7130.2	7195.1
12.5°	6077.1	6085.2	6196.8	6403.8	6671.6	6939.5	7095.7	7160.6	7195.1	7276.3
15°	5600.3	5598.2	5720.0	5941.2	6316.5	6760.9	7111.9	7223.5	7282.4	7402.1
17.5°	5324.3	5316.2	5401.4	5569.8	5918.8	6487.0	7071.4	7258.0	7383.8	7534.0
20°	5273.6	5257.4	5302.0	5385.2	5632.7	6186.7	6965.8	7258.0	7465.0	7659.8
22.5°	5458.2	5431.9	5413.6	5403.5	5513.0	5939.1	6846.1	7233.7	7584.7	7840.4
25°	5829.6	5789.0	5695.6	5604.3	5571.9	5827.5	6740.6	7227.6	7763.3	8083.9
27.5°	6430.2	6379.4	6190.7	5971.6	5774.8	5884.3	6694.0	7264.1	7960.1	8341.6
30°	7174.8	7120.1	6882.7	6545.8	6192.8	6095.4	6752.8	7371.7	8211.7	8684.5
32.5°	7842.4	7781.5	7578.6	7235.7	6758.9	6460.6	6939.5	7576.6	8607.4	9161.3
35°	8434.9	8363.9	8181.3	7864.7	7452.8	6974.0	7276.3	7939.8	9169.4	9936.4
37.5°	9015.2	8932.0	8733.2	8398.4	8110.3	7657.8	7741.0	8406.5	9916.1	10877.9
40°	9664.5	9544.8	9303.4	8972.6	8692.6	8459.3	8351.7	8978.7	10675.0	11929.0
42.5°	10293.5	10179.9	9891.8	9609.7	9258.7	9191.8	9059.9	9648.3	11504.9	13083.5
45°	10971.3	10835.3	10486.3	10129.2	9908.0	9678.7	9745.7	10317.9	12318.6	14260.4
47.5°	11606.4	11454.2	11042.3	10644.6	10522.8	10088.6	10374.7	11054.5	13164.7	15453.5
50°	11949.3	11799.1	11456.2	11097.1	11001.7	10593.9	11056.5	11864.1	14051.4	16642.6
52.5°	12235.4	12073.1	11624.6	11425.8	11397.4	11143.7	11896.5	12789.3	14938.1	17693.6
55°	12539.7	12359.2	11787.0	11608.4	11738.3	11760.6	12892.8	13838.4	15875.6	18718.3
57.5°	12890.8	12661.5	11943.2	11762.6	12071.0	12482.9	14037.2	14926.0	16796.8	19667.9
60°	13221.5	12990.2	12243.5	12008.1	12430.2	13320.9	15350.0	16242.8	17839.7	20514.1
62.5°	13286.4	13095.7	12482.9	12480.9	12917.2	14299.0	16904.3	17571.9	18750.8	21350.0
65°	12162.3	12042.6	11679.4	12462.6	13615.2	15707.1	18635.1	19272.3	19909.4	22080.5
67.5°	9256.7	9272.9	9246.5	10758.2	13051.1	17730.1	21141.0	21092.3	21339.9	22900.3
70°	4232.7	4328.0	4948.9	7426.5	10455.9	17963.5	25284.4	24653.4	23135.6	23961.5
72.5°	2286.8	2359.8	2613.5	3597.6	6286.1	15970.9	28380.8	28829.2	25523.9	24675.7
75°	1678.1	1718.6	1895.2	2286.8	2639.8	11870.1	27270.9	29571.9	25822.1	23009.8
77.5°	1256.0	1274.3	1418.3	1812.0	1351.4	6257.7	21790.3	24491.1	22104.9	18905.0
80°	911.1	931.4	1038.9	1359.5	947.6	2288.8	14962.5	17190.4	15139.0	12050.7
82.5°	629.0	637.1	683.8	925.3	661.5	888.7	8489.7	10080.5	8451.1	4228.6
85°	379.4	389.6	409.9	539.7	375.4	422.0	3664.5	3790.3	2526.2	1010.5
87.5°	156.2	166.4	182.6	227.3	148.1	117.7	604.7	758.9	472.8	296.2
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°
6923.2	0°	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2	6923.2
6943.5	2.5°	6933.4	6919.2	6880.6	6827.9	6779.2	6718.3	6691.9	6669.6	6649.3	6610.8
6998.3	5°	6976.0	6937.4	6834.0	6700.0	6547.9	6381.5	6219.1	6107.5	6012.2	5941.2
7061.2	7.5°	7040.9	6967.9	6779.2	6505.2	6156.2	5799.1	5476.5	5247.2	5074.7	5011.8
7150.5	10°	7107.9	7020.6	6691.9	6209.0	5606.4	5056.5	4628.3	4393.0	4255.0	4210.4
7256.0	12.5°	7187.0	7059.2	6556.0	5797.1	4991.5	4388.9	4015.6	3877.6	3806.6	3782.2
7385.9	15°	7302.7	7091.7	6351.0	5281.7	4405.1	3901.9	3660.5	3565.1	3528.6	3526.5
7519.8	17.5°	7389.9	7097.7	6032.5	4729.8	3954.7	3607.7	3408.9	3372.3	3396.7	3433.2
7651.7	20°	7487.3	7043.0	5614.5	4226.6	3638.1	3350.0	3266.8	3291.2	3350.0	3402.8
7826.2	22.5°	7556.3	6943.5	5109.2	3835.0	3364.2	3201.9	3197.8	3248.6	3281.0	3307.4
8031.1	25°	7617.2	6775.1	4573.6	3506.3	3139.0	3112.6	3157.3	3141.0	3118.7	3141.0
8236.1	27.5°	7661.8	6509.3	4094.7	3218.1	2980.7	3051.7	3025.4	2988.8	2986.8	2999.0
8477.5	30°	7647.6	6154.2	3701.1	2944.2	2869.1	2938.1	2875.2	2869.1	2863.0	2869.1
8840.7	32.5°	7647.6	5750.4	3398.7	2755.5	2798.1	2771.7	2765.6	2751.4	2727.1	2725.1
9333.8	35°	7690.2	5346.6	3139.0	2654.0	2739.3	2676.4	2680.4	2645.9	2595.2	2570.9
9987.2	37.5°	7777.5	5022.0	2881.3	2605.3	2635.8	2633.8	2617.5	2558.7	2469.4	2392.3
10802.8	40°	7988.5	4926.6	2704.8	2583.0	2587.1	2611.4	2568.8	2455.2	2252.3	2126.5
11630.7	42.5°	8319.2	5086.9	2666.2	2528.2	2554.6	2579.0	2495.8	2232.0	2087.9	2012.9
12499.2	45°	8739.3	5366.9	2749.4	2449.1	2477.5	2520.1	2272.6	2146.8	2081.8	2083.9
13359.5	47.5°	9270.9	5661.1	2903.6	2380.1	2365.9	2390.3	2124.5	2047.3	1958.1	1980.4
14185.3	50°	9885.7	5959.4	3049.7	2286.8	2242.1	2163.0	2029.1	1956.0	1842.4	1789.7
14982.8	52.5°	10551.2	6247.6	3108.6	2173.2	2108.2	2016.9	1964.2	1874.9	1736.9	1649.6
15735.6	55°	11182.3	6509.3	3043.6	2037.2	1974.3	1903.3	1895.2	1840.4	1692.3	1570.5
16405.2	57.5°	11778.8	6728.4	2881.3	1899.2	1838.4	1795.7	1850.5	1824.1	1637.5	1481.2
17038.2	60°	12284.1	6878.6	2645.9	1759.2	1716.6	1694.3	1777.5	1769.4	1560.4	1385.9
17606.4	62.5°	12685.8	6937.4	2386.2	1625.3	1615.2	1574.6	1676.0	1676.0	1463.0	1292.5
18105.5	65°	13000.3	6880.6	2122.4	1493.4	1513.7	1452.8	1552.3	1540.1	1359.5	1209.3
18679.8	67.5°	13278.3	6694.0	1830.2	1363.5	1410.2	1333.1	1422.4	1394.0	1245.9	1126.1
19176.9	70°	13402.1	6259.7	1497.5	1233.7	1290.5	1215.4	1292.5	1239.8	1118.0	1036.9
18631.1	72.5°	12407.9	5202.6	1178.9	1097.7	1146.4	1085.6	1152.5	1091.6	980.0	943.5
16088.6	75°	10265.1	3904.0	907.0	949.6	986.1	939.5	984.1	939.5	838.0	864.4
11884.4	77.5°	7454.9	2635.8	693.9	793.4	809.6	785.3	823.8	773.1	681.8	675.7
5922.9	80°	3707.1	1544.1	543.8	627.0	620.9	604.7	649.3	625.0	547.9	580.3
1598.9	82.5°	1073.4	661.5	395.7	440.3	428.1	432.2	464.7	476.8	714.2	708.2
497.1	85°	336.8	259.7	237.4	245.5	233.3	239.4	273.9	543.8	503.2	294.2
154.2	87.5°	87.3	89.3	58.8	62.9	64.9	77.1	87.3	330.7	158.3	103.5
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>
6923.2
6592.5
5882.3
4902.3
4141.4
3788.3
3534.7
3447.4
3421.0
3321.6
3155.2
3019.3
2891.4
2751.4
2595.2
2418.7
2142.7
2012.9
2094.0
2037.2
1803.9
1647.6
1570.5
1473.1
1379.8
1286.4
1201.2
1118.0
1020.6
913.1
789.3
645.2
574.2
724.4
318.6
109.6
0.0

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