

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: P953005

Luminaire Tested: **GALN-SB6C-940-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-940-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32710 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

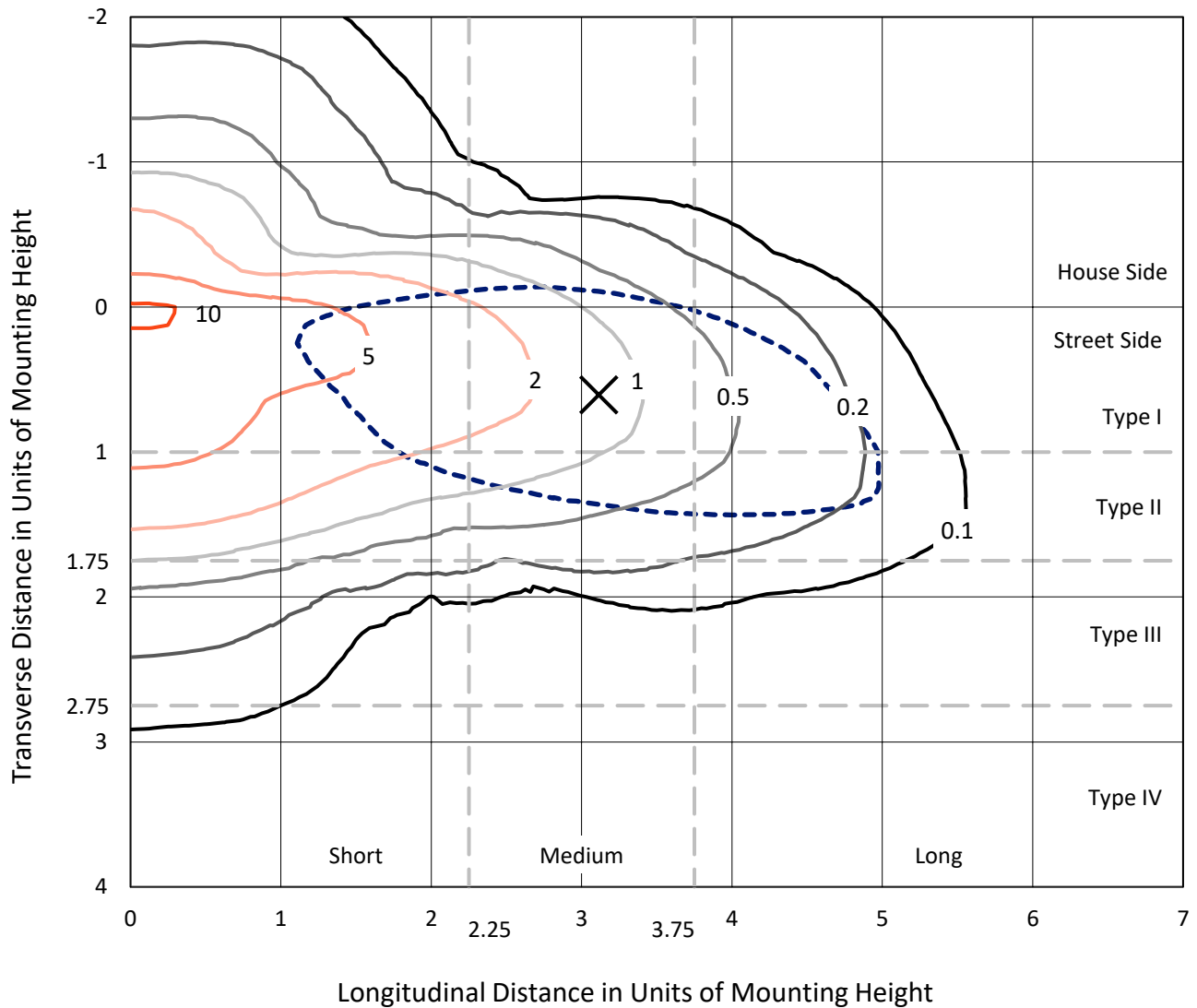
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

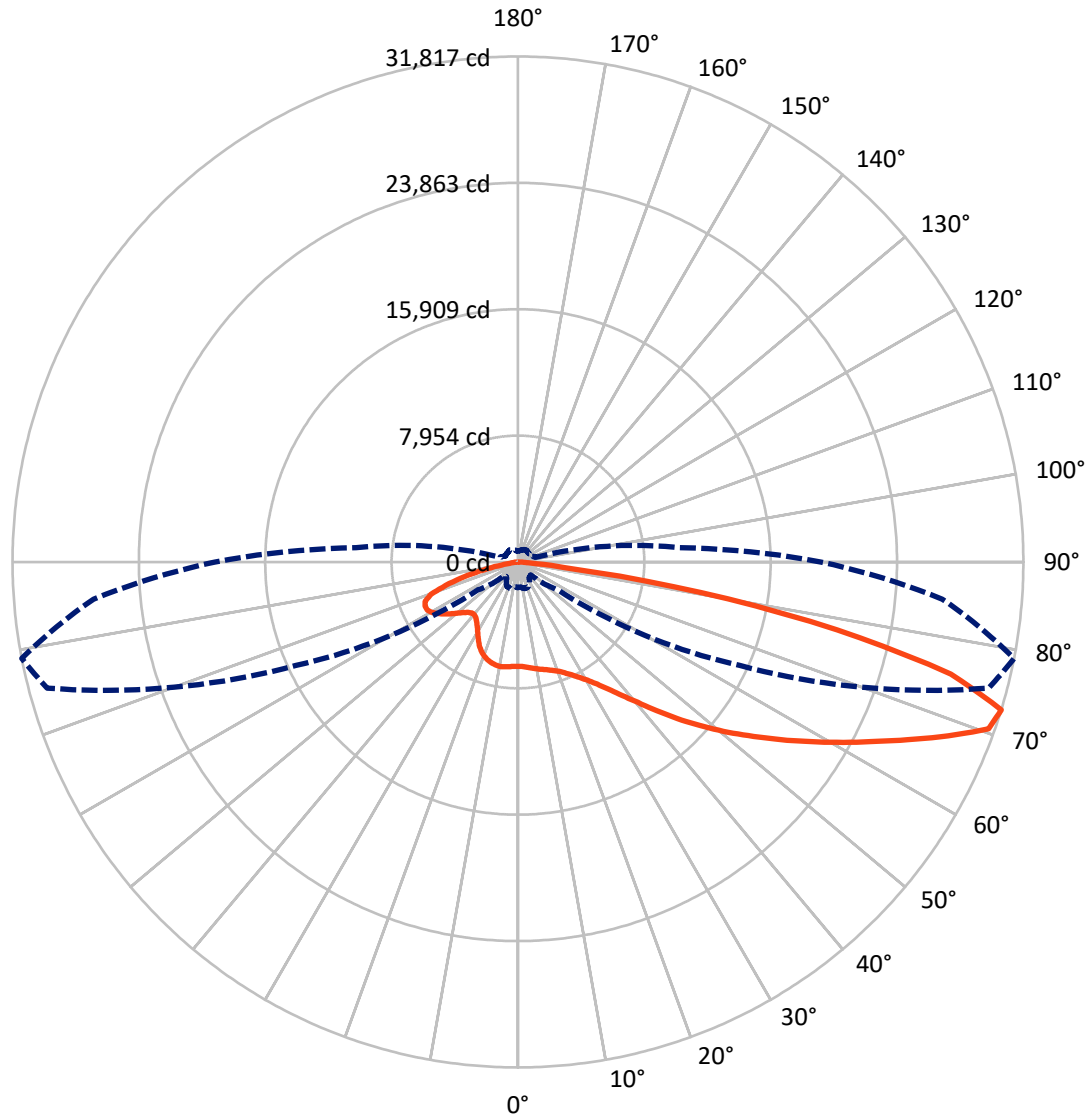
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7198.0	0.0	7198.0
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	25512.0	0.0	25512.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	32710.0	0.0	32710.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.0	1.8
10°-20°	1558.3	4.8
20°-30°	2514.5	7.7
30°-40°	3773.9	11.5
40°-50°	5353.4	16.4
50°-60°	6760.7	20.7
60°-70°	6866.4	21.0
70°-80°	4679.7	14.3
80°-90°	607.2	1.9
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°	32710.0	100.0
0°-180°	32710.0	100.0



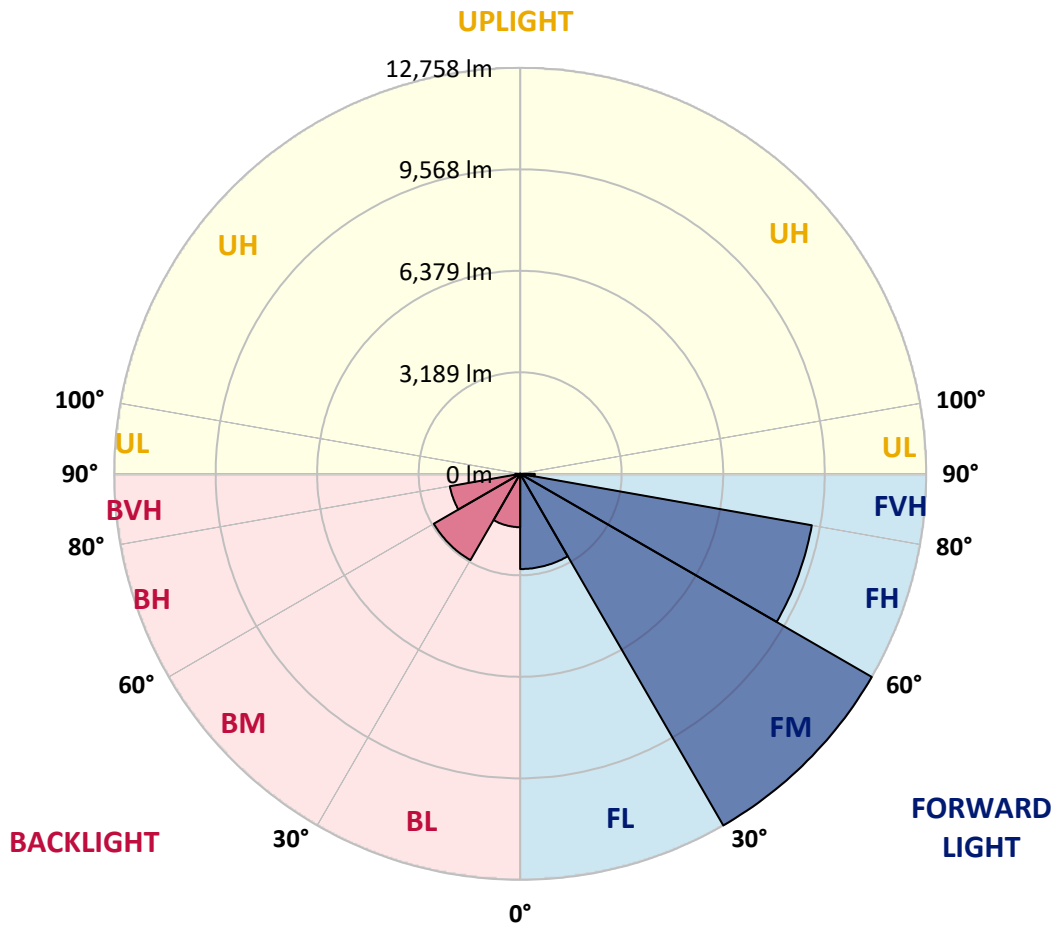
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2992.2	9.1			
FM (30°-60°)	12757.6	39.0			
FH (60°-80°)	9304.9	28.4			G4/12000
FVH (80°-90°)	457.4	1.4			G3/500
BL (0°-30°)	1676.6	5.1	B3/2500		
BM (30°-60°)	3130.4	9.6	B3/5000		
BH (60°-80°)	2241.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	149.8	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-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2
2.5°	6569.7	6538.5	6557.6	6550.6	6559.3	6569.7	6573.1	6578.3	6595.6	6593.9
5°	6555.8	6524.7	6550.6	6542.0	6564.5	6588.7	6609.5	6628.5	6656.2	6668.3
7.5°	6526.4	6505.7	6531.6	6557.6	6599.1	6635.4	6664.8	6708.1	6747.9	6754.8
10°	6355.1	6339.6	6400.1	6467.6	6581.8	6680.4	6744.4	6794.6	6837.9	6844.8
12.5°	6176.9	6157.9	6225.4	6317.1	6502.2	6680.4	6815.4	6881.1	6919.2	6941.7
15°	6147.5	6131.9	6170.0	6249.6	6403.6	6633.7	6863.8	6984.9	7017.8	7043.8
17.5°	6289.4	6260.0	6275.5	6303.2	6393.2	6590.4	6901.9	7102.6	7152.8	7180.5
20°	6618.1	6576.6	6552.4	6497.0	6481.4	6597.4	6898.4	7244.5	7310.2	7344.8
22.5°	7055.9	7028.2	6976.3	6836.1	6683.9	6682.1	6964.2	7426.1	7549.0	7581.9
25°	7585.3	7543.8	7478.1	7287.7	6995.3	6850.0	7074.9	7658.0	7863.9	7872.5
27.5°	8194.4	8132.1	8042.1	7791.2	7396.7	7113.0	7244.5	7924.5	8225.5	8222.1
30°	8836.3	8774.0	8678.8	8374.3	7877.7	7467.7	7479.8	8211.7	8654.6	8635.6
32.5°	9305.2	9258.5	9239.4	9004.1	8431.4	7886.4	7749.7	8530.0	9184.1	9166.8
35°	9665.1	9604.5	9627.0	9507.6	9035.3	8355.3	8080.2	8909.0	9827.7	9826.0
37.5°	10021.5	9967.9	9986.9	9907.3	9594.1	8950.5	8483.3	9372.7	10625.3	10663.4
40°	10346.8	10289.7	10365.8	10291.4	10028.4	9583.7	8941.8	9896.9	11549.3	11622.0
42.5°	10542.3	10497.3	10623.6	10625.3	10405.6	10118.4	9445.3	10474.8	12618.6	12781.2
45°	10609.8	10594.2	10784.5	10824.3	10739.5	10428.1	9898.6	11104.6	13770.9	14061.6
47.5°	10537.1	10507.7	10770.7	10917.7	10985.2	10573.4	10274.1	11786.3	14947.5	15373.1
50°	10170.3	10113.2	10504.2	10813.9	11054.4	10668.6	10653.0	12573.6	16284.9	16750.4
52.5°	9511.1	9467.8	9912.5	10450.6	10902.2	10715.3	11078.7	13433.5	17554.9	18157.0
55°	8668.5	8611.4	9101.0	9803.5	10523.3	10699.7	11504.3	14395.5	19053.3	19664.1
57.5°	7332.7	7218.5	7837.9	8668.5	9905.6	10680.7	11947.2	15352.3	20575.9	21307.8
60°	5384.5	5214.9	5974.5	6959.0	8697.9	10495.6	12495.7	16425.1	22403.0	23062.2
62.5°	3135.2	3036.6	3533.1	4451.9	6555.8	9405.5	12803.7	17672.6	24199.0	24891.1
65°	2434.4	2406.7	2450.0	2520.9	3649.1	7042.0	11853.8	18888.9	26482.9	26967.4
67.5°	2226.8	2206.0	2225.1	2091.8	1851.3	3922.4	9377.8	19196.9	28929.4	29223.6
70°	1979.4	1955.2	2017.4	1903.3	1456.9	1783.9	6059.3	18079.2	30875.9	31427.9
72.5°	1612.6	1584.9	1730.2	1678.3	1226.7	1145.4	3043.5	15423.3	30671.8	31817.2
75°	1238.8	1223.3	1396.3	1439.6	1000.1	901.4	1460.3	11464.5	26991.6	28145.6
77.5°	962.0	949.9	1038.1	1195.6	806.3	699.0	898.0	7272.2	20340.6	20543.0
80°	721.5	686.9	768.2	925.7	628.1	510.4	609.0	4240.8	12857.3	11654.8
82.5°	451.6	434.3	501.8	617.7	442.9	351.2	396.2	2342.7	5152.6	3034.8
85°	257.8	250.9	273.4	353.0	240.5	202.4	226.7	1034.7	941.2	647.1
87.5°	103.8	100.4	124.6	157.5	88.2	74.4	79.6	249.2	207.6	192.1
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°
6566.2	0°	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2	6566.2
6592.2	2.5°	6585.3	6585.3	6561.0	6523.0	6479.7	6452.0	6407.0	6394.9	6348.2	6334.4
6651.0	5°	6664.8	6651.0	6576.6	6469.3	6322.3	6187.3	6038.5	5945.1	5813.6	5766.9
6766.9	7.5°	6765.2	6727.1	6599.1	6363.8	6055.8	5753.0	5438.1	5199.3	4970.9	4889.6
6862.1	10°	6856.9	6803.3	6585.3	6173.5	5640.5	5116.3	4614.5	4263.3	3996.8	3887.8
6967.6	12.5°	6948.6	6850.0	6493.6	5856.8	5050.5	4339.4	3804.8	3531.4	3367.0	3235.5
7054.1	15°	7035.1	6896.7	6351.7	5432.9	4403.4	3681.9	3287.4	3069.4	2937.9	2851.4
7180.5	17.5°	7135.5	6936.5	6138.9	4894.8	3787.5	3226.9	2905.1	2773.6	2747.6	2737.2
7353.5	20°	7275.6	6972.8	5858.6	4292.7	3334.2	2863.5	2697.4	2685.3	2683.6	2678.4
7561.1	22.5°	7426.1	7016.1	5488.3	3745.9	2948.3	2636.9	2607.5	2583.2	2567.7	2565.9
7812.0	25°	7604.4	7029.9	5024.6	3297.8	2619.6	2529.6	2495.0	2458.7	2448.3	2448.3
8097.5	27.5°	7777.4	6983.2	4484.8	2908.5	2434.4	2431.0	2386.0	2373.9	2372.1	2377.3
8422.8	30°	7950.4	6895.0	3948.4	2548.6	2327.2	2327.2	2311.6	2320.2	2327.2	2344.5
8869.2	32.5°	8184.0	6801.5	3500.3	2282.2	2233.7	2216.4	2232.0	2249.3	2256.2	2278.7
9455.7	35°	8526.6	6735.8	3143.8	2136.8	2136.8	2114.3	2123.0	2119.5	2104.0	2093.6
10165.1	37.5°	8979.9	6732.3	2849.7	2069.4	2055.5	2052.1	2053.8	2031.3	1970.7	1898.1
11023.3	40°	9524.9	6825.8	2623.0	2022.6	2012.3	2033.0	2022.6	1962.1	1796.0	1669.7
12078.7	42.5°	10256.8	7092.2	2477.7	1965.5	1996.7	2022.6	1981.1	1771.8	1659.3	1574.5
13281.2	45°	11118.5	7524.8	2403.3	1905.0	1967.3	1998.4	1797.7	1706.0	1616.0	1514.0
14592.8	47.5°	12094.3	8069.8	2386.0	1847.9	1901.5	1920.6	1719.8	1678.3	1576.2	1465.5
15911.2	50°	13156.7	8715.2	2432.7	1780.4	1806.4	1740.6	1693.9	1655.8	1550.3	1441.3
17262.5	52.5°	14255.4	9426.3	2526.1	1688.7	1711.2	1638.5	1683.5	1650.6	1534.7	1387.6
18658.8	55°	15335.0	10142.6	2616.1	1581.4	1614.3	1546.8	1654.1	1629.9	1463.8	1297.7
20148.5	57.5°	16432.0	10855.5	2704.3	1486.3	1520.9	1458.6	1607.4	1574.5	1384.2	1214.6
21774.9	60°	17572.2	11547.6	2745.9	1394.6	1418.8	1377.3	1536.4	1479.3	1294.2	1129.8
23373.7	62.5°	18639.8	12123.7	2678.4	1302.9	1318.4	1301.1	1443.0	1366.9	1204.2	1034.7
25039.9	65°	19710.8	12466.3	2470.8	1212.9	1216.4	1207.7	1311.5	1245.8	1098.7	951.6
26498.5	67.5°	20681.4	12658.4	2140.3	1116.0	1107.3	1103.9	1188.7	1114.3	996.6	868.6
27607.5	70°	20887.3	12170.4	1635.1	1001.8	1001.8	993.2	1053.7	977.6	884.1	780.3
26813.4	72.5°	19077.5	10237.8	1161.0	872.0	885.9	868.6	918.8	854.7	770.0	700.7
23108.9	75°	15383.5	7507.5	844.4	738.8	763.0	733.6	780.3	735.3	662.7	660.9
15925.0	77.5°	10570.0	4642.2	612.5	609.0	626.3	588.3	641.9	617.7	551.9	522.5
6931.3	80°	4510.7	1851.3	446.4	470.6	470.6	436.0	498.3	505.2	448.1	434.3
1337.5	82.5°	898.0	526.0	313.2	323.6	304.5	294.1	353.0	391.0	539.8	600.4
403.1	85°	269.9	193.8	188.6	176.5	155.7	157.5	207.6	392.8	484.5	276.8
133.2	87.5°	74.4	48.4	50.2	39.8	32.9	43.3	70.9	297.6	162.6	69.2
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>
6566.2
6356.9
5801.5
4900.0
3912.0
3278.8
2867.0
2744.1
2695.7
2585.0
2458.7
2391.2
2356.6
2297.7
2117.8
1899.8
1666.2
1571.0
1507.0
1456.9
1429.2
1377.3
1289.0
1211.2
1124.6
1032.9
941.2
858.2
776.9
680.0
595.2
489.7
434.3
602.1
238.8
58.8
0.0

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