

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: P952320

Luminaire Tested: **GALN-SB6A-950-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952320
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-950-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19274 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

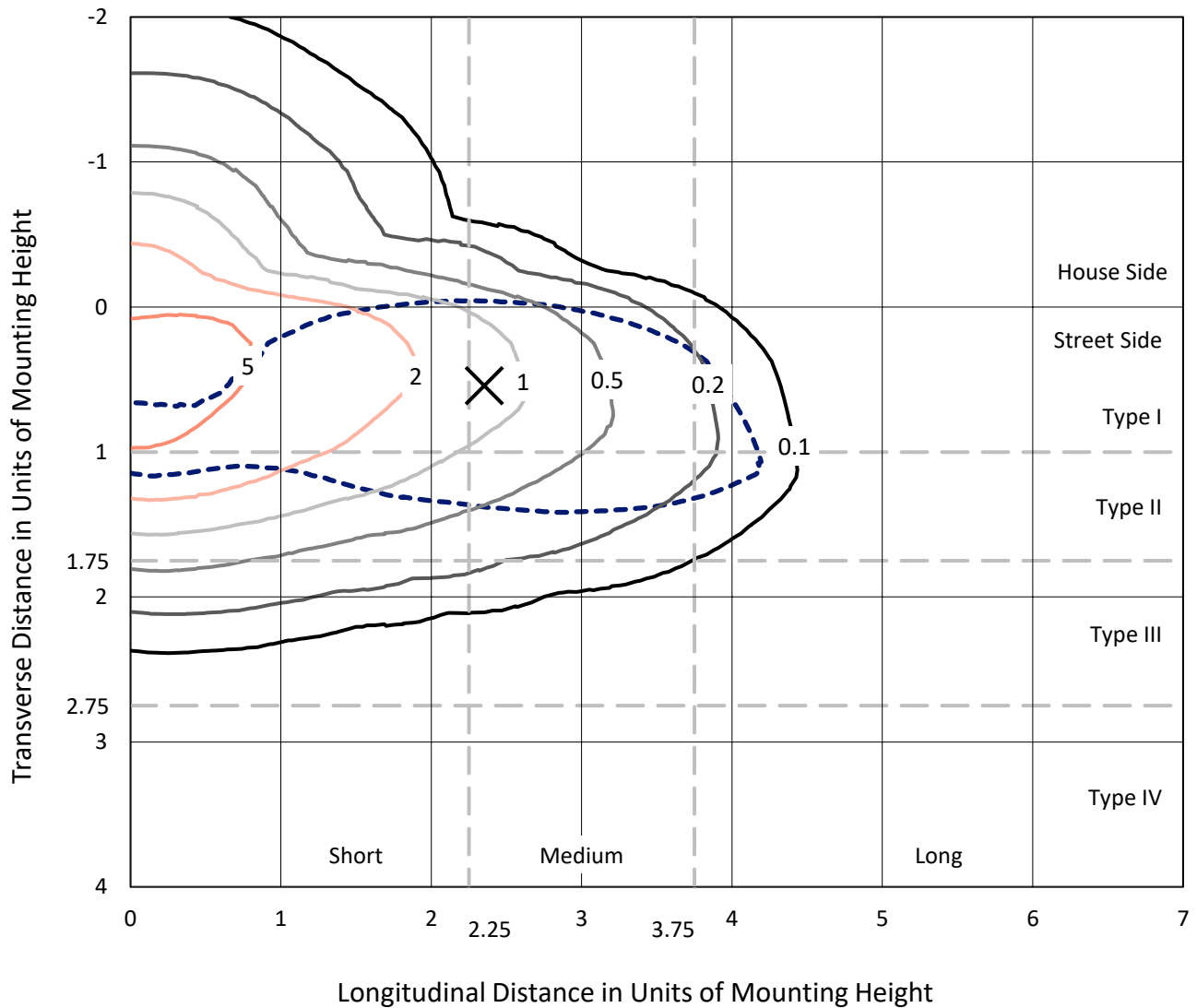
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

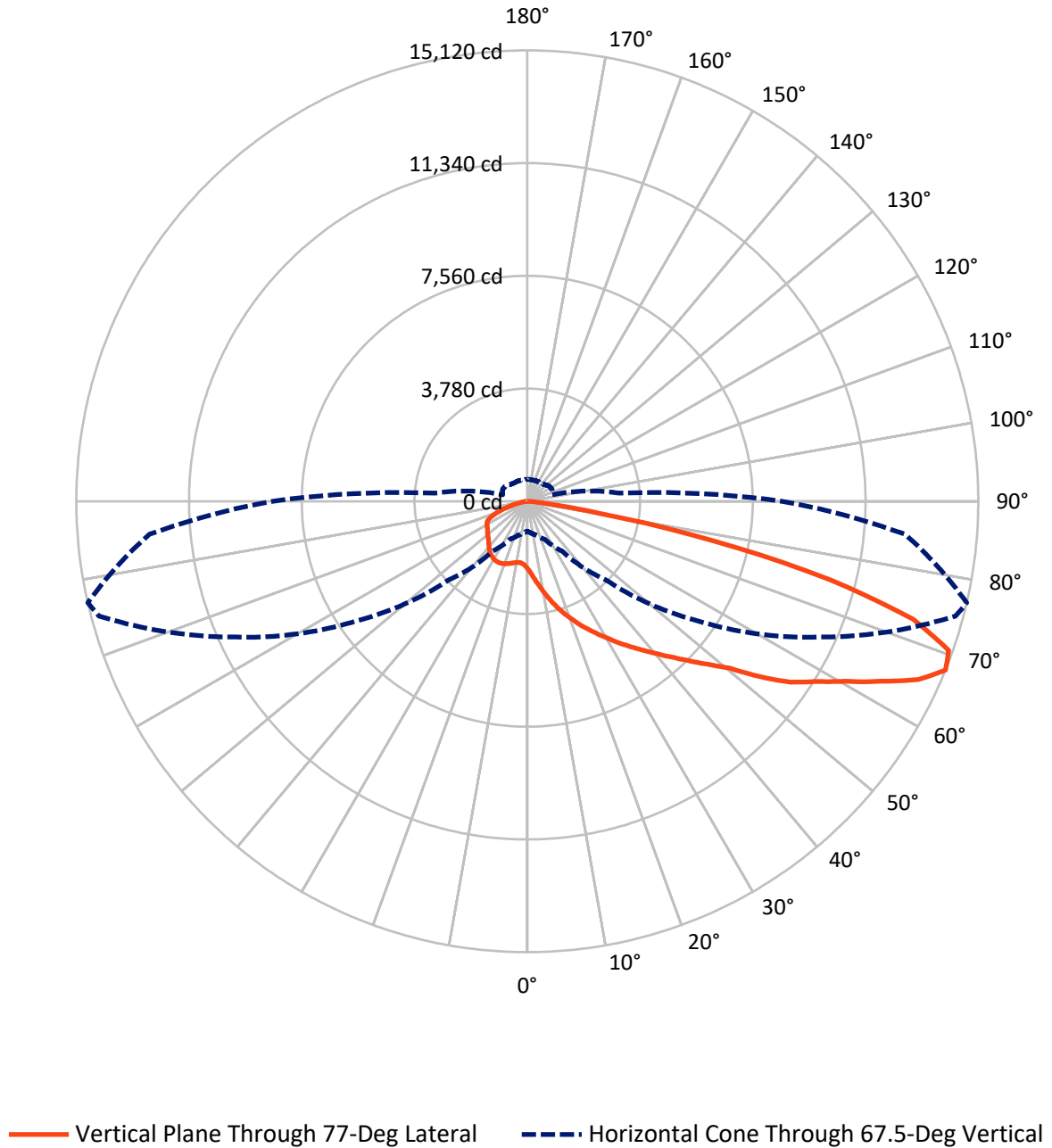
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3645.9	0.0	3645.9
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	15628.1	0.0	15628.1
	% Fixture	81.1	0.0	81.1
Total	Lumens	19274.0	0.0	19274.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	1.3
10°-20°	870.8	4.5
20°-30°	1644.2	8.5
30°-40°	2648.8	13.7
40°-50°	3623.1	18.8
50°-60°	4086.9	21.2
60°-70°	3814.6	19.8
70°-80°	2091.0	10.8
80°-90°	252.2	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°	19274.0	100.0
0°-180°	19274.0	100.0

Coefficient of Utilization



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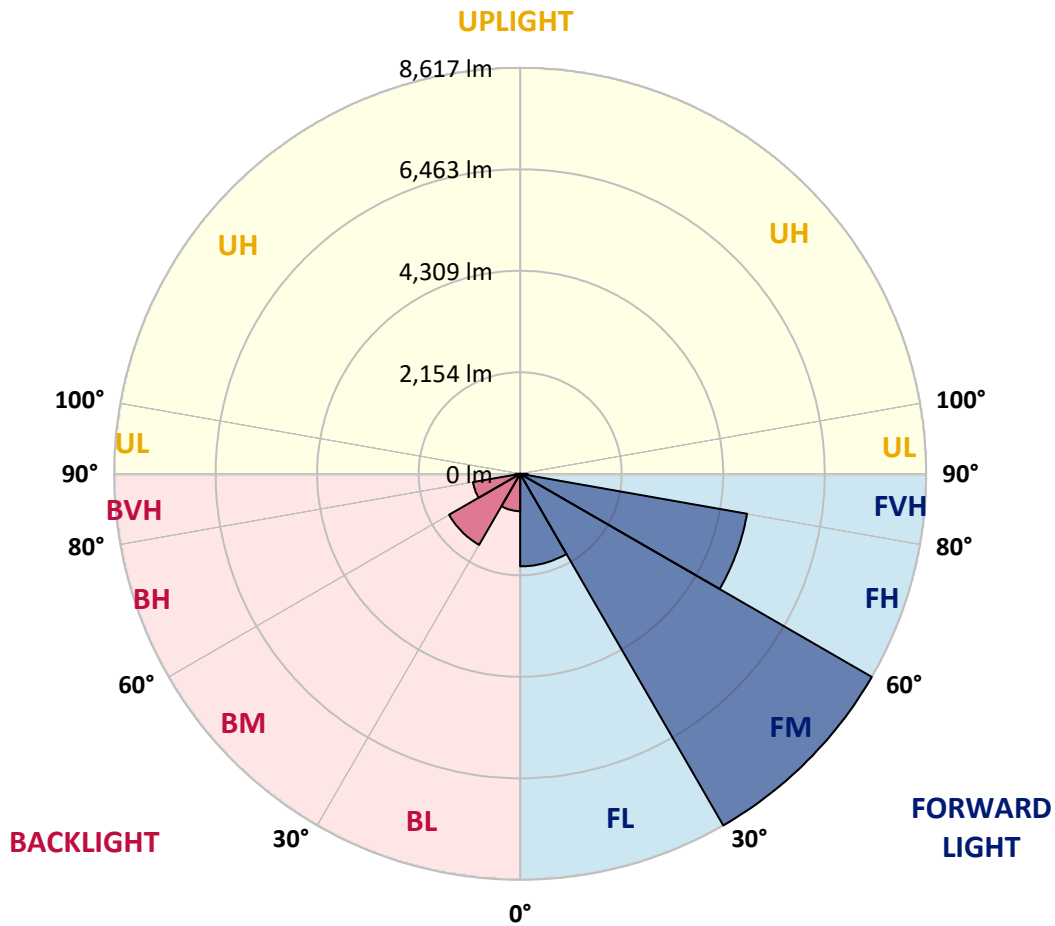
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1964.7	10.2			
FM (30°-60°)	8617.2	44.7			
FH (60°-80°)	4888.5	25.4			G2/5000
FVH (80°-90°)	157.7	0.8			G2/225
BL (0°-30°)	792.7	4.1	B2/1000		
BM (30°-60°)	1741.5	9.0	B2/2500		
BH (60°-80°)	1017.1	5.3	B3/2500		G3/2500
BVH (80°-90°)	94.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4
2.5°	2831.5	2851.4	2826.6	2826.6	2743.0	2699.2	2615.6	2552.0	2437.5	2417.6
5°	3346.9	3371.8	3336.9	3322.0	3223.5	3133.0	2992.7	2854.4	2650.5	2629.6
7.5°	3745.9	3777.7	3746.8	3730.9	3643.4	3541.9	3377.7	3184.7	2897.2	2856.4
10°	4071.2	4076.2	4066.2	4072.2	4003.5	3920.0	3751.8	3527.0	3167.8	3112.1
12.5°	4255.2	4278.1	4298.0	4333.8	4321.9	4270.2	4118.9	3850.3	3454.3	3382.7
15°	4341.8	4381.6	4426.4	4508.9	4575.6	4588.5	4473.1	4197.5	3745.9	3659.3
17.5°	4372.6	4410.5	4481.1	4600.5	4743.7	4840.3	4788.5	4534.8	4034.4	3934.9
20°	4528.8	4539.8	4582.6	4696.0	4851.2	5011.4	5050.2	4859.2	4319.9	4207.5
22.5°	4863.1	4841.3	4853.2	4904.9	5016.4	5171.6	5260.1	5145.7	4613.4	4484.1
25°	5415.3	5351.6	5288.0	5228.3	5285.0	5372.5	5473.0	5432.2	4920.8	4756.7
27.5°	6112.8	6035.1	5894.9	5698.9	5630.2	5661.1	5705.8	5697.9	5205.4	5039.2
30°	6799.2	6708.7	6541.6	6258.0	6076.9	5995.4	5961.5	5938.6	5514.8	5337.7
32.5°	7347.4	7275.8	7111.6	6794.3	6531.6	6392.3	6279.9	6198.3	5838.2	5661.1
35°	7827.0	7760.3	7572.3	7226.1	6940.5	6792.3	6645.0	6470.9	6174.4	5995.4
37.5°	8264.7	8198.1	7940.4	7580.2	7292.7	7190.2	7058.9	6763.4	6511.7	6342.6
40°	8541.3	8526.4	8285.6	7877.7	7579.3	7528.5	7484.7	7102.7	6885.8	6728.6
42.5°	8612.0	8644.8	8453.8	8118.5	7834.0	7793.2	7895.6	7486.7	7305.7	7155.4
45°	8441.8	8536.4	8411.0	8183.2	8015.0	7993.1	8259.8	7906.6	7770.3	7633.0
47.5°	8011.0	8171.2	8119.5	8087.7	8063.8	8158.3	8580.1	8352.3	8296.6	8177.2
50°	7141.5	7444.9	7535.5	7736.4	7967.3	8286.6	8871.6	8838.8	8911.4	8791.1
52.5°	5638.2	6056.0	6581.4	7084.8	7670.8	8243.9	9192.0	9537.2	9843.7	9778.0
55°	4654.2	4842.2	5246.2	6169.5	7095.7	8063.8	9336.3	10101.4	10768.9	10710.2
57.5°	3898.1	4066.2	4314.9	5086.0	6226.2	7654.9	9425.8	10445.6	11402.7	11396.7
60°	3087.2	3265.3	3520.0	4066.2	5210.4	6948.5	9405.9	10837.6	12211.6	12261.3
62.5°	2171.9	2367.9	2650.5	3159.8	4172.7	6033.2	9000.0	11121.1	13163.7	13299.0
65°	1427.7	1557.0	1770.0	2209.7	3109.1	4856.2	8225.0	11158.0	14182.5	14411.3
67.5°	1000.9	1050.6	1176.0	1414.8	2049.5	3724.0	6990.3	10776.9	14862.0	15119.7
70°	781.0	805.9	869.6	965.1	1287.4	2504.2	5356.6	9786.0	14716.8	14985.4
72.5°	674.6	698.4	722.3	734.2	863.6	1546.1	3628.5	8182.2	13348.8	13530.8
75°	611.9	617.8	637.7	633.8	658.6	1002.9	2094.3	5961.5	10532.2	10469.5
77.5°	514.4	522.3	555.2	550.2	585.0	685.5	1087.4	3847.3	6828.1	6402.3
80°	435.8	439.8	475.6	469.6	508.4	496.5	555.2	1961.0	2896.2	2453.5
82.5°	151.2	187.0	363.1	374.1	388.0	300.5	320.4	799.9	884.5	677.5
85°	73.6	78.6	185.1	262.7	261.7	151.2	156.2	285.5	278.6	218.9
87.5°	11.9	14.9	21.9	102.5	81.6	39.8	53.7	55.7	57.7	49.7
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°
2261.4	0°	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4	2261.4
2342.0	2.5°	2286.3	2236.6	2132.1	2035.6	1960.0	1887.4	1846.6	1811.7	1791.8	1787.9
2451.5	5°	2348.0	2245.5	2055.5	1895.3	1790.8	1713.2	1672.5	1646.6	1633.6	1625.7
2598.7	7.5°	2436.5	2286.3	2015.7	1833.6	1724.2	1668.5	1647.6	1643.6	1642.6	1643.6
2776.8	10°	2558.9	2353.0	2011.7	1818.7	1727.2	1696.3	1695.3	1696.3	1700.3	1701.3
2970.8	12.5°	2691.2	2421.6	2027.6	1831.6	1765.0	1748.1	1745.1	1744.1	1747.1	1749.1
3166.8	15°	2835.5	2512.2	2054.5	1859.5	1806.8	1788.9	1785.9	1779.9	1778.9	1777.9
3372.8	17.5°	2983.7	2601.7	2084.3	1889.3	1833.6	1808.8	1797.8	1783.9	1772.9	1770.0
3585.7	20°	3134.0	2690.2	2105.2	1904.3	1835.6	1800.8	1778.9	1755.0	1736.1	1725.2
3800.6	22.5°	3294.2	2782.8	2118.2	1900.3	1817.7	1770.0	1730.2	1702.3	1673.4	1654.5
4017.5	25°	3450.4	2863.4	2117.2	1879.4	1782.9	1722.2	1671.5	1635.6	1595.8	1575.9
4241.3	27.5°	3600.6	2936.0	2092.3	1842.6	1733.1	1665.5	1604.8	1562.0	1523.2	1504.3
4467.2	30°	3755.8	2996.7	2053.5	1788.9	1674.4	1599.8	1533.2	1496.4	1461.5	1443.6
4705.9	32.5°	3910.0	3052.4	1998.8	1722.2	1606.8	1535.2	1469.5	1435.7	1414.8	1414.8
4962.6	35°	4073.2	3091.2	1926.2	1644.6	1535.2	1466.5	1414.8	1394.9	1392.9	1380.9
5234.2	37.5°	4245.3	3116.1	1837.6	1565.0	1464.5	1399.8	1383.9	1360.0	1340.1	1314.3
5532.7	40°	4426.4	3140.9	1731.1	1482.4	1389.9	1354.1	1347.1	1315.3	1258.6	1194.9
5871.0	42.5°	4646.2	3157.9	1620.7	1399.8	1311.3	1299.4	1309.3	1254.6	1164.0	1116.3
6278.9	45°	4900.9	3185.7	1519.2	1318.3	1230.7	1230.7	1272.5	1200.9	1126.2	1096.4
6744.5	47.5°	5231.3	3250.4	1424.7	1228.7	1156.1	1176.0	1190.9	1136.2	1094.4	1057.6
7311.6	50°	5708.8	3405.6	1327.2	1138.2	1099.4	1139.2	1118.3	1086.4	1037.7	1007.8
8213.0	52.5°	6301.8	3497.1	1240.7	1056.6	1050.6	1090.4	1060.6	1030.7	993.9	954.1
8896.5	55°	6705.7	3514.0	1168.0	996.9	1017.8	1013.8	1002.9	976.0	956.1	903.4
9571.1	57.5°	7157.4	3547.9	1108.3	961.1	996.9	953.1	949.1	926.3	900.4	864.6
10393.9	60°	7697.6	3600.6	1056.6	947.2	979.0	913.3	893.4	884.5	858.6	840.7
11383.8	62.5°	8286.6	3648.3	1003.9	949.1	958.1	874.5	844.7	841.7	825.8	819.8
12313.1	65°	8688.6	3518.0	938.2	947.2	925.3	834.7	796.9	795.9	783.0	781.0
12716.0	67.5°	8548.3	3105.1	849.7	919.3	891.4	794.9	753.1	749.2	732.3	733.3
12295.1	70°	7845.9	2516.1	727.3	850.7	849.7	759.1	707.4	694.4	671.6	675.5
10690.3	72.5°	6528.6	1864.5	563.1	736.2	783.0	726.3	654.7	633.8	604.9	608.9
7891.7	75°	4714.9	1267.5	409.9	560.1	681.5	687.5	602.9	567.1	532.3	538.2
4392.5	77.5°	2412.7	718.3	301.5	386.0	535.3	624.8	556.2	508.4	500.4	556.2
1266.5	80°	787.0	360.2	208.9	270.6	351.2	511.4	487.5	432.8	430.8	443.7
265.6	82.5°	234.8	152.2	134.3	178.1	194.0	392.0	420.8	327.3	281.6	296.5
88.5	85°	80.6	73.6	76.6	88.5	92.5	229.8	294.5	216.9	205.0	225.8
19.9	87.5°	18.9	25.9	21.9	19.9	19.9	55.7	114.4	90.5	125.4	83.6
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>
2261.4
1787.9
1624.7
1646.6
1702.3
1750.1
1776.9
1772.9
1729.2
1655.5
1575.9
1503.3
1442.6
1415.8
1378.0
1310.3
1185.9
1117.3
1101.4
1056.6
1004.9
946.2
904.4
852.6
845.7
819.8
780.0
733.3
679.5
607.9
540.2
548.2
381.1
306.4
222.9
80.6
0.0

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