

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: P948183

Luminaire Tested: **GALN-SB3B-760-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948183
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-SB3B-760-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18206 lumens
Efficiency: N/A
Efficacy: 166.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

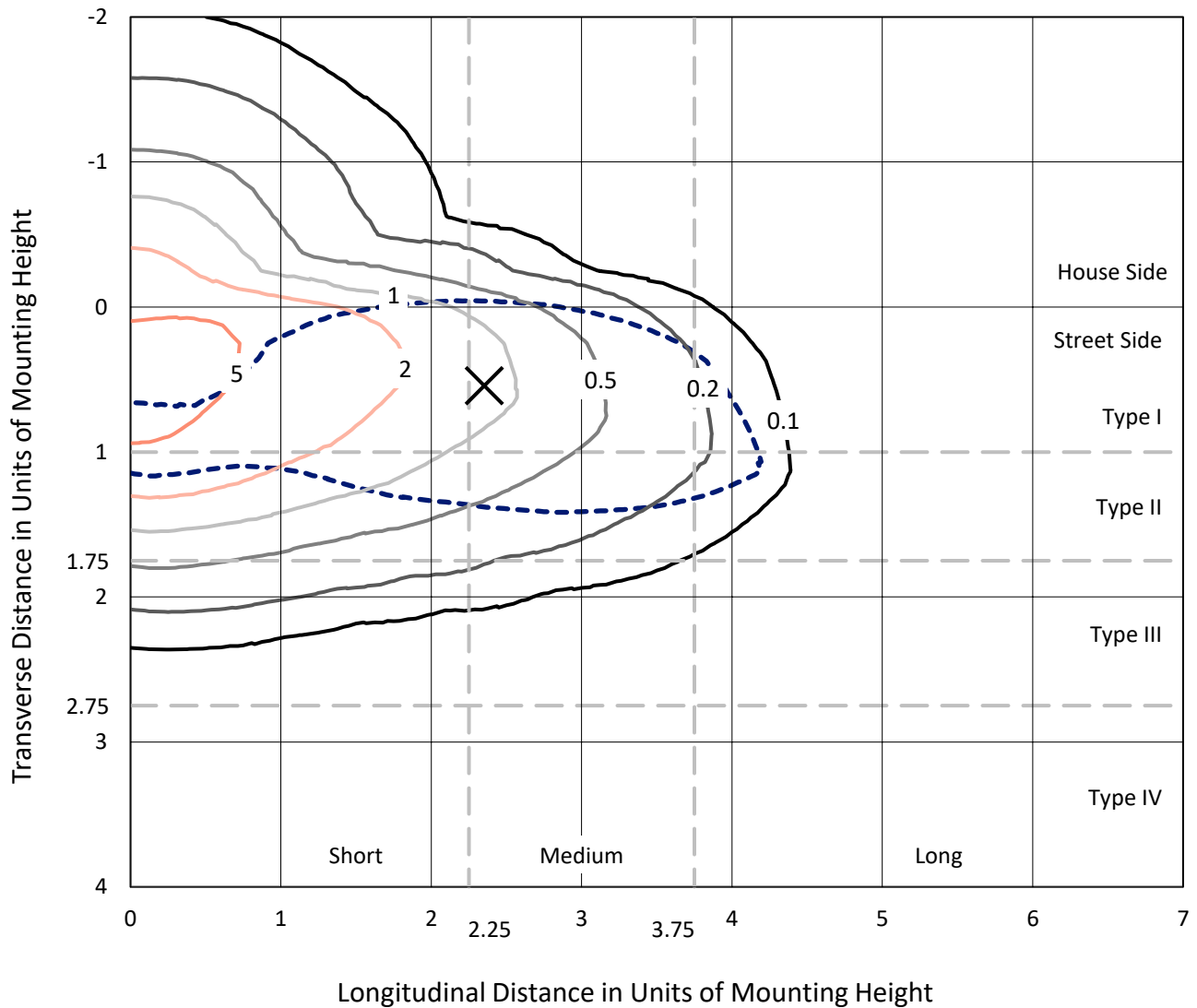
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

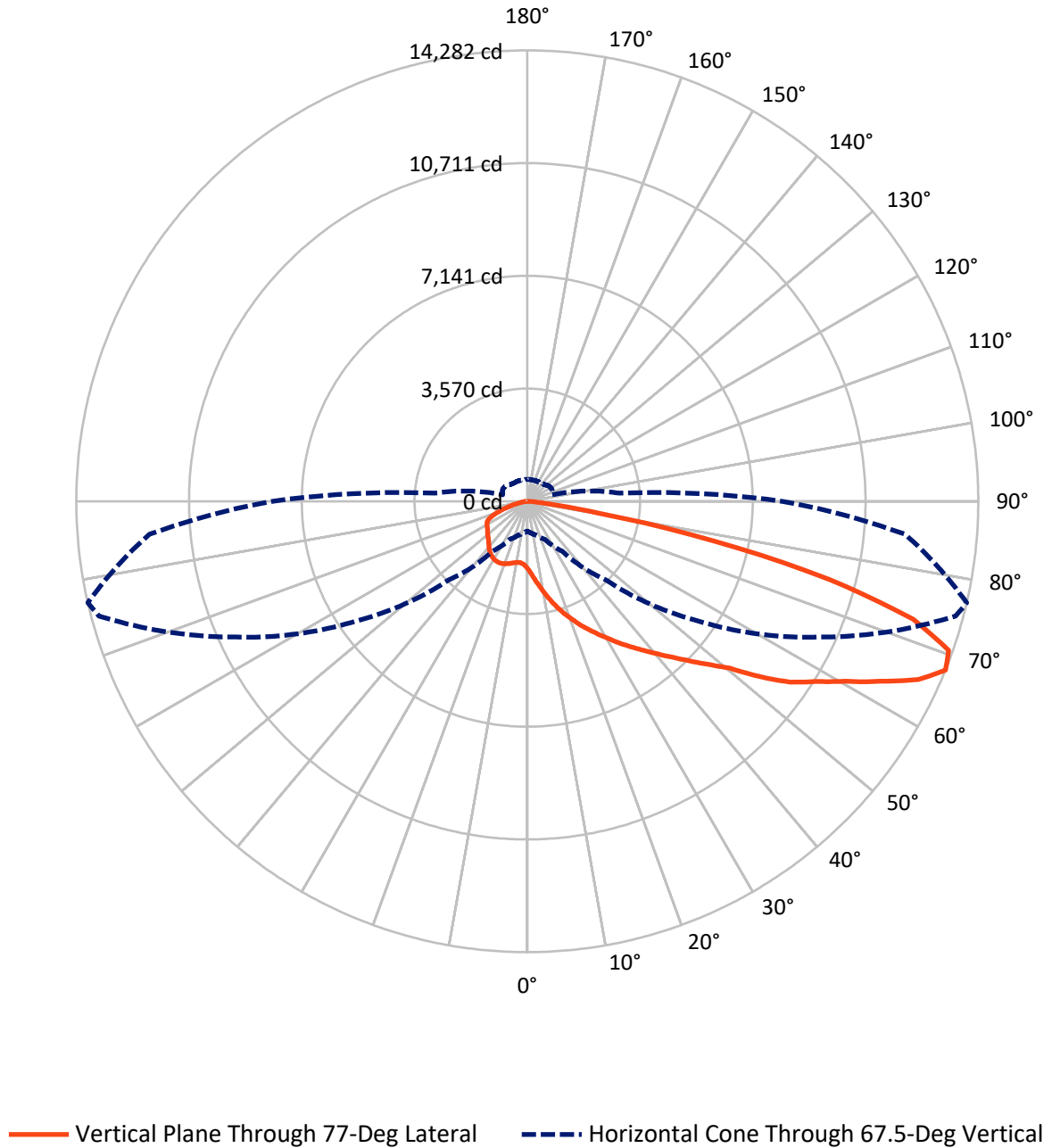
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	3443.8	0.0	3443.8
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	14762.2	0.0	14762.2
	% Fixture	81.1	0.0	81.1
Total	Lumens	18206.0	0.0	18206.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.0	1.3
10°-20°	822.6	4.5
20°-30°	1553.1	8.5
30°-40°	2502.0	13.7
40°-50°	3422.3	18.8
50°-60°	3860.4	21.2
60°-70°	3603.2	19.8
70°-80°	1975.2	10.8
80°-90°	238.2	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°	18206.0	100.0
0°-180°	18206.0	100.0



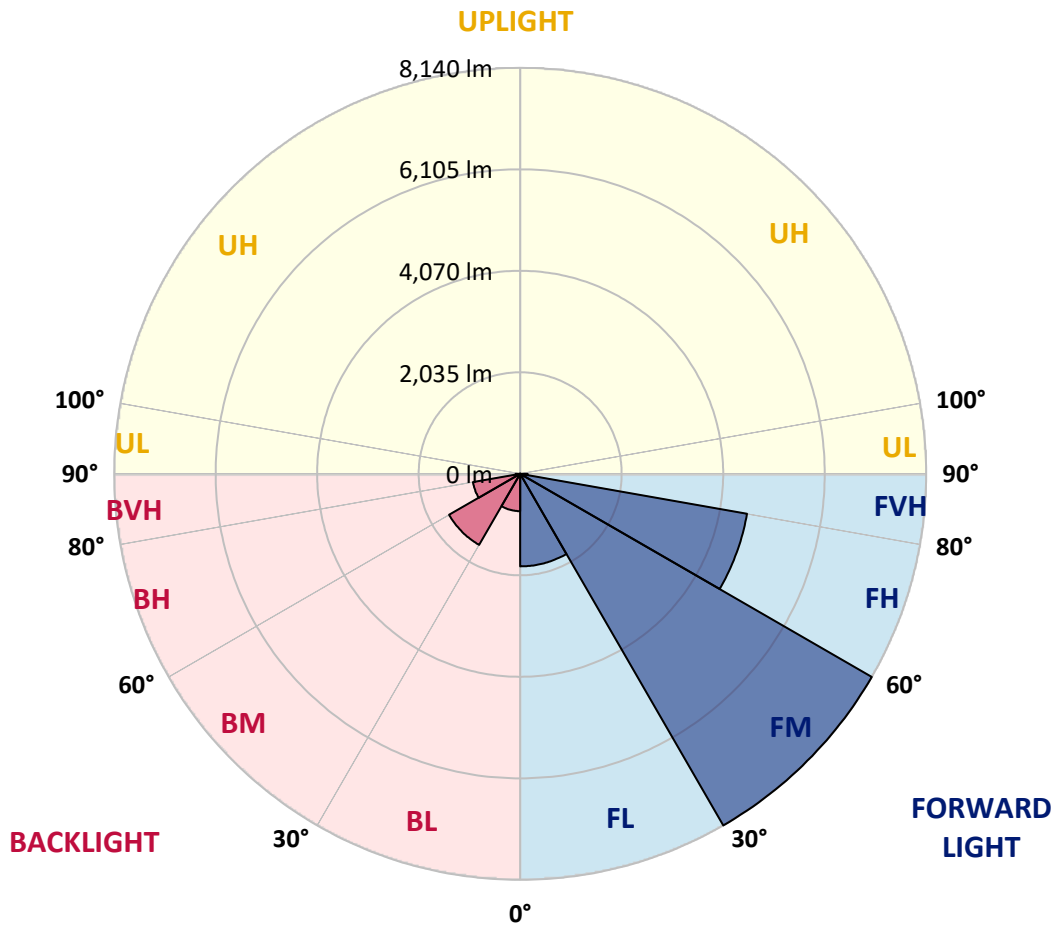
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1855.9	10.2			
FM (30°-60°)	8139.7	44.7			
FH (60°-80°)	4617.6	25.4			G2/5000
FVH (80°-90°)	149.0	0.8			G2/225
BL (0°-30°)	748.8	4.1	B2/1000		
BM (30°-60°)	1645.0	9.0	B2/2500		
BH (60°-80°)	960.8	5.3	B2/1000		G2/1000
BVH (80°-90°)	89.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1
2.5°	2674.6	2693.4	2669.9	2669.9	2591.0	2549.6	2470.7	2410.5	2302.5	2283.7
5°	3161.4	3184.9	3152.0	3137.9	3044.9	2959.4	2826.9	2696.2	2503.6	2483.8
7.5°	3538.3	3568.4	3539.2	3524.2	3441.5	3345.6	3190.6	3008.2	2736.7	2698.1
10°	3845.6	3850.3	3840.9	3846.5	3781.7	3702.7	3543.9	3331.5	2992.3	2939.6
12.5°	4019.5	4041.1	4059.9	4093.7	4082.4	4033.6	3890.7	3637.0	3262.9	3195.3
15°	4101.2	4138.8	4181.1	4259.1	4322.1	4334.3	4225.3	3964.9	3538.3	3456.5
17.5°	4130.4	4166.1	4232.8	4345.6	4480.9	4572.0	4523.2	4283.5	3810.8	3716.8
20°	4277.9	4288.2	4328.6	4435.8	4582.4	4733.7	4770.3	4589.9	4080.5	3974.3
22.5°	4593.7	4573.0	4584.3	4633.1	4738.4	4885.0	4968.6	4860.6	4357.8	4235.6
25°	5115.2	5055.1	4995.0	4938.6	4992.1	5074.8	5169.8	5131.2	4648.2	4493.1
27.5°	5774.0	5700.7	5568.2	5383.1	5318.2	5347.4	5389.7	5382.1	4917.0	4760.0
30°	6422.5	6337.0	6179.1	5911.2	5740.2	5663.1	5631.2	5609.6	5209.2	5041.9
32.5°	6940.3	6872.6	6717.6	6417.8	6169.7	6038.1	5931.9	5854.9	5514.7	5347.4
35°	7393.3	7330.3	7152.7	6825.7	6555.9	6415.9	6276.8	6112.4	5832.3	5663.1
37.5°	7806.8	7743.8	7500.4	7160.2	6888.6	6791.8	6667.8	6388.7	6150.9	5991.1
40°	8068.0	8054.0	7826.5	7441.2	7159.3	7111.3	7070.0	6709.1	6504.2	6355.8
42.5°	8134.8	8165.8	7985.3	7668.6	7399.9	7361.3	7458.1	7071.9	6900.8	6758.9
45°	7974.1	8063.3	7944.9	7729.7	7570.9	7550.2	7802.1	7468.5	7339.7	7210.0
47.5°	7567.1	7718.4	7669.6	7639.5	7617.0	7706.2	8104.7	7889.5	7836.9	7724.1
50°	6745.8	7032.4	7117.9	7307.8	7525.8	7827.5	8380.1	8349.0	8417.6	8303.9
52.5°	5325.8	5720.5	6216.7	6692.2	7245.7	7787.1	8682.7	9008.8	9298.2	9236.2
55°	4396.3	4573.9	4955.5	5827.6	6702.5	7617.0	8818.9	9541.6	10172.2	10116.8
57.5°	3682.1	3840.9	4075.8	4804.2	5881.2	7230.7	8903.5	9866.8	10770.9	10765.2
60°	2916.2	3084.4	3325.0	3840.9	4921.6	6563.5	8884.7	10237.1	11534.9	11581.9
62.5°	2051.5	2236.7	2503.6	2984.8	3941.5	5698.9	8501.3	10504.9	12434.3	12562.1
65°	1348.6	1470.8	1671.9	2087.3	2936.8	4587.1	7769.2	10539.7	13396.6	13612.8
67.5°	945.4	992.4	1110.8	1336.4	1936.0	3517.6	6602.9	10179.7	14038.5	14281.9
70°	737.7	761.2	821.4	911.6	1216.1	2365.4	5059.8	9243.7	13901.3	14155.0
72.5°	637.2	659.7	682.3	693.6	815.7	1460.4	3427.4	7728.8	12609.1	12781.1
75°	578.0	583.6	602.4	598.6	622.1	947.3	1978.2	5631.2	9948.6	9889.3
77.5°	485.9	493.4	524.4	519.7	552.6	647.5	1027.2	3634.1	6449.7	6047.5
80°	411.6	415.4	449.2	443.6	480.2	469.0	524.4	1852.3	2735.7	2317.5
82.5°	142.8	176.7	343.0	353.4	366.5	283.8	302.6	755.6	835.5	640.0
85°	69.5	74.2	174.8	248.1	247.2	142.8	147.5	269.7	263.1	206.8
87.5°	11.3	14.1	20.7	96.8	77.1	37.6	50.7	52.6	54.5	47.0
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°
2136.1	0°	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1	2136.1
2212.3	2.5°	2159.6	2112.6	2014.0	1922.8	1851.4	1782.8	1744.2	1711.3	1692.6	1688.8
2315.6	5°	2217.9	2121.1	1941.6	1790.3	1691.6	1618.3	1579.8	1555.3	1543.1	1535.6
2454.7	7.5°	2301.5	2159.6	1904.0	1732.0	1628.6	1576.0	1556.3	1552.5	1551.6	1552.5
2622.9	10°	2417.1	2222.6	1900.2	1717.9	1631.5	1602.3	1601.4	1602.3	1606.1	1607.0
2806.2	12.5°	2542.1	2287.4	1915.3	1730.1	1667.2	1651.2	1648.4	1647.4	1650.3	1652.1
2991.3	15°	2678.4	2373.0	1940.7	1756.5	1706.6	1689.7	1686.9	1681.3	1680.3	1679.4
3185.9	17.5°	2818.4	2457.5	1968.8	1784.7	1732.0	1708.5	1698.2	1685.0	1674.7	1671.9
3387.0	20°	2960.3	2541.2	1988.6	1798.7	1733.9	1701.0	1680.3	1657.8	1639.9	1629.6
3590.0	22.5°	3111.6	2628.6	2000.8	1795.0	1717.0	1671.9	1634.3	1608.0	1580.7	1562.9
3794.8	25°	3259.2	2704.7	1999.9	1775.3	1684.1	1626.8	1578.8	1545.0	1507.4	1488.6
4006.3	27.5°	3401.1	2773.3	1976.4	1740.5	1637.1	1573.2	1515.9	1475.5	1438.8	1421.0
4219.6	30°	3547.7	2830.6	1939.7	1689.7	1581.7	1511.2	1448.2	1413.4	1380.5	1363.6
4445.2	32.5°	3693.4	2883.3	1888.0	1626.8	1517.8	1450.1	1388.1	1356.1	1336.4	1336.4
4687.6	35°	3847.5	2919.9	1819.4	1553.5	1450.1	1385.2	1336.4	1317.6	1315.7	1304.4
4944.2	37.5°	4010.1	2943.4	1735.8	1478.3	1383.4	1322.3	1307.2	1284.7	1265.9	1241.5
5226.1	40°	4181.1	2966.9	1635.2	1400.3	1312.9	1279.0	1272.5	1242.4	1188.8	1128.7
5545.7	42.5°	4388.8	2982.9	1530.9	1322.3	1238.6	1227.4	1236.8	1185.1	1099.5	1054.4
5931.0	45°	4629.4	3009.2	1435.1	1245.2	1162.5	1162.5	1202.0	1134.3	1063.8	1035.6
6370.8	47.5°	4941.4	3070.3	1345.8	1160.6	1092.0	1110.8	1124.9	1073.2	1033.8	999.0
6906.5	50°	5392.5	3216.9	1253.7	1075.1	1038.5	1076.1	1056.3	1026.2	980.2	952.0
7757.9	52.5°	5952.6	3303.3	1171.9	998.1	992.4	1030.0	1001.8	973.6	938.8	901.3
8403.6	55°	6334.1	3319.3	1103.3	941.7	961.4	957.6	947.3	921.9	903.1	853.3
9040.7	57.5°	6760.8	3351.3	1046.9	907.8	941.7	900.3	896.6	874.9	850.5	816.7
9817.9	60°	7271.1	3401.1	998.1	894.7	924.7	862.7	843.9	835.5	811.0	794.1
10753.0	62.5°	7827.5	3446.2	948.2	896.6	905.0	826.1	797.9	795.1	780.0	774.4
11630.8	65°	8207.1	3323.1	886.2	894.7	874.0	788.5	752.8	751.8	739.6	737.7
12011.4	67.5°	8074.6	2933.1	802.6	868.4	842.0	750.9	711.4	707.7	691.7	692.6
11613.9	70°	7411.1	2376.7	687.0	803.5	802.6	717.1	668.2	656.0	634.4	638.1
10098.0	72.5°	6166.9	1761.2	531.9	695.4	739.6	686.0	618.4	598.6	571.4	575.1
7454.4	75°	4453.6	1197.3	387.2	529.1	643.8	649.4	569.5	535.7	502.8	508.4
4149.1	77.5°	2279.0	678.5	284.8	364.6	505.6	590.2	525.3	480.2	472.7	525.3
1196.3	80°	743.4	340.2	197.4	255.6	331.7	483.0	460.5	408.8	406.9	419.1
250.9	82.5°	221.8	143.8	126.9	168.2	183.3	370.3	397.5	309.2	266.0	280.1
83.6	85°	76.1	69.5	72.4	83.6	87.4	217.1	278.2	204.9	193.6	213.3
18.8	87.5°	17.9	24.4	20.7	18.8	18.8	52.6	108.1	85.5	118.4	78.9
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>
2136.1
1688.8
1534.7
1555.3
1608.0
1653.1
1678.5
1674.7
1633.3
1563.8
1488.6
1420.0
1362.7
1337.3
1301.6
1237.7
1120.2
1055.4
1040.3
998.1
949.2
893.7
854.3
805.4
798.8
774.4
736.8
692.6
641.9
574.2
510.3
517.8
359.9
289.5
210.5
76.1
0.0

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