

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: P942165

Luminaire Tested: **GALN-SB6A-750-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942165
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-750-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28515 lumens
Efficiency: N/A
Efficacy: 166.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

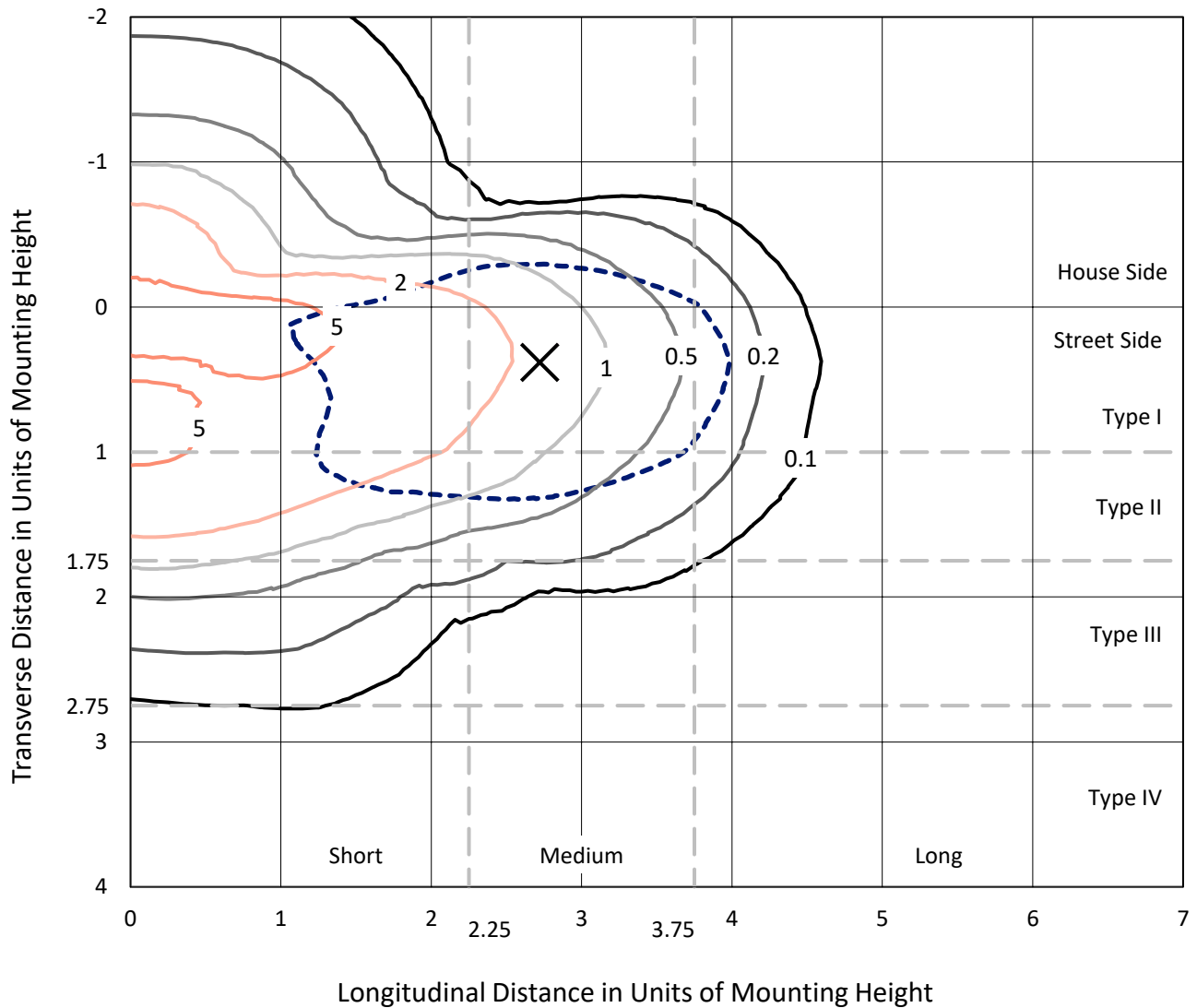
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

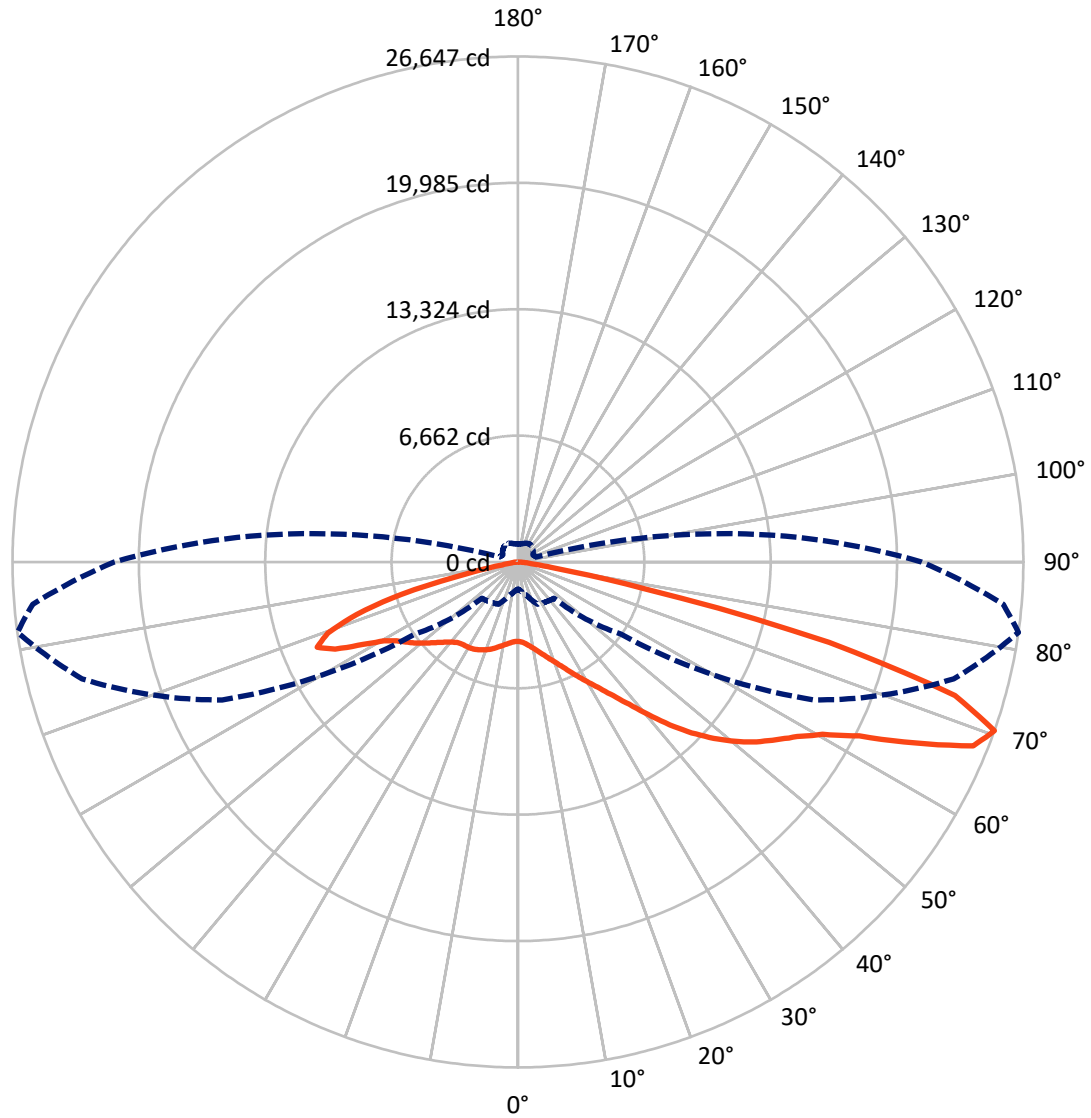
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7029.6	0.0	7029.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	21485.4	0.0	21485.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	28515.0	0.0	28515.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.7	1.4
10°-20°	1134.1	4.0
20°-30°	1897.2	6.7
30°-40°	2963.9	10.4
40°-50°	4720.4	16.6
50°-60°	6569.0	23.0
60°-70°	6871.4	24.1
70°-80°	3591.4	12.6
80°-90°	372.9	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°	28515.0	100.0
0°-180°	28515.0	100.0

Coefficient of Utilization



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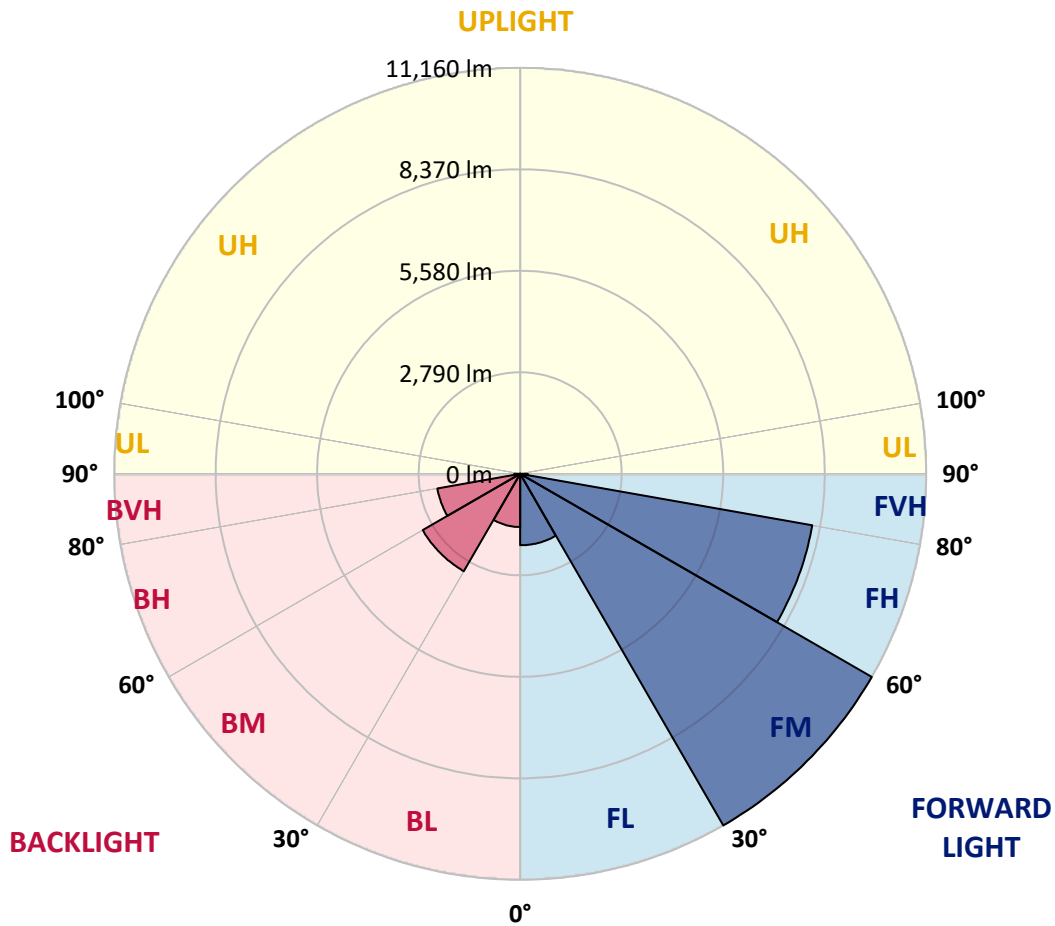
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1963.6	6.9			
FM (30°-60°)	11160.5	39.1			
FH (60°-80°)	8152.5	28.6			G4/12000
FVH (80°-90°)	208.8	0.7			G2/225
BL (0°-30°)	1462.4	5.1	B3/2500		
BM (30°-60°)	3092.8	10.8	B3/5000		
BH (60°-80°)	2310.3	8.1	B3/2500		G3/2500
BVH (80°-90°)	164.2	0.6			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°	82°
0°	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7
2.5°	4280.5	4304.7	4297.2	4289.6	4289.6	4279.0	4277.5	4262.4	4250.3	4230.6
5°	4335.0	4360.7	4357.7	4363.7	4383.4	4387.9	4392.5	4383.4	4359.2	4335.0
7.5°	4286.6	4315.3	4324.4	4360.7	4421.2	4475.7	4516.6	4533.2	4510.5	4475.7
10°	4123.2	4154.9	4186.7	4273.0	4380.4	4509.0	4617.9	4683.0	4678.5	4645.2
12.5°	3791.8	3825.1	3893.2	4061.1	4257.8	4484.8	4687.5	4823.7	4870.6	4846.4
15°	3527.0	3555.8	3607.2	3779.7	4035.4	4380.4	4713.3	4978.1	5097.6	5084.0
17.5°	3519.4	3531.5	3563.3	3645.0	3841.7	4217.0	4686.0	5129.4	5357.8	5356.3
20°	3652.6	3657.1	3675.3	3691.9	3803.9	4092.9	4616.4	5254.9	5649.9	5649.9
22.5°	3837.2	3834.2	3852.3	3837.2	3891.7	4082.3	4572.5	5365.4	5975.2	5999.4
25°	4114.1	4098.9	4094.4	4059.6	4070.2	4180.7	4621.0	5491.0	6361.0	6410.9
27.5°	4483.3	4459.1	4442.4	4362.2	4335.0	4383.4	4769.2	5642.3	6790.7	6877.0
30°	4964.4	4920.6	4896.3	4757.1	4658.8	4666.4	4993.2	5843.5	7240.1	7379.3
32.5°	5621.1	5553.0	5488.0	5259.5	5079.4	5020.4	5282.2	6121.9	7727.3	7949.8
35°	6356.5	6302.0	6232.4	5879.9	5603.0	5466.8	5672.6	6510.8	8297.8	8650.3
37.5°	7064.6	7017.7	7051.0	6575.9	6218.8	6020.6	6184.0	7032.8	9001.3	9521.8
40°	7796.9	7760.6	7765.2	7311.2	6895.1	6672.7	6804.3	7688.0	9807.8	10558.3
42.5°	8592.8	8565.6	8474.8	8072.3	7604.8	7397.5	7518.5	8444.5	10673.3	11738.5
45°	9484.0	9467.4	9382.6	8921.2	8385.5	8152.5	8315.9	9279.8	11543.3	12849.1
47.5°	10254.2	10267.8	10257.2	9868.3	9313.0	8971.1	9166.3	10151.3	12352.8	13893.2
50°	10624.9	10696.0	10800.4	10679.4	10334.4	9986.4	10024.2	10992.6	13124.5	14872.1
52.5°	10431.2	10565.9	10850.3	11044.0	11177.2	11104.5	11003.2	11827.8	13850.8	15755.8
55°	9709.5	9898.6	10370.7	10838.2	11517.6	12045.7	12178.8	12753.8	14558.9	16533.5
57.5°	8394.6	8701.8	9125.4	10071.1	11215.0	12501.1	13549.7	14038.4	15309.4	17364.2
60°	6140.1	6551.7	7078.2	8485.4	10155.8	12257.5	14716.3	16011.5	16376.1	18440.0
62.5°	3929.5	4183.7	4667.9	5993.3	7913.4	11009.2	15073.4	18477.8	18184.3	20204.2
65°	2690.3	2853.7	3297.0	4041.5	5115.7	8194.9	14117.1	20326.8	21056.1	23000.4
67.5°	1954.9	2079.0	2457.3	3109.4	3333.3	4849.4	10954.7	20242.1	23847.7	25881.3
70°	1425.3	1513.1	1830.8	2457.3	2564.7	2697.8	6636.4	17206.8	23787.2	26647.0
72.5°	1056.1	1116.7	1330.0	1906.5	2076.0	1821.8	3284.9	12505.7	20440.3	24101.9
75°	764.1	809.5	966.9	1458.6	1661.4	1387.5	1638.7	7308.2	14257.8	16954.1
77.5°	584.1	618.9	721.7	1068.2	1330.0	1041.0	1016.8	3362.1	6760.5	6793.8
80°	469.1	491.8	547.7	752.0	1019.8	779.2	662.7	1357.2	2136.5	1808.1
82.5°	345.0	382.8	463.0	528.1	729.3	537.1	404.0	685.4	812.5	699.0
85°	196.7	222.4	279.9	378.3	466.0	328.3	231.5	304.1	378.3	310.2
87.5°	69.6	90.8	98.4	148.3	202.8	136.2	89.3	87.8	124.1	92.3
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°
4180.7	0°	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7	4180.7
4226.0	2.5°	4210.9	4203.4	4173.1	4132.2	4089.9	4049.0	4035.4	4006.7	3987.0	3976.4
4324.4	5°	4295.7	4271.4	4200.3	4109.5	4014.2	3911.3	3838.7	3772.1	3723.7	3678.3
4459.1	7.5°	4416.7	4374.3	4251.8	4092.9	3923.4	3752.5	3625.4	3528.5	3463.5	3421.1
4616.4	10°	4557.4	4492.4	4304.7	4067.2	3805.4	3560.3	3410.5	3327.3	3286.4	3263.7
4796.5	12.5°	4719.3	4627.0	4359.2	4008.2	3625.4	3345.4	3242.5	3218.3	3219.8	3221.4
5023.4	15°	4919.0	4790.4	4403.1	3879.6	3390.8	3180.5	3162.3	3201.7	3242.5	3262.2
5280.7	17.5°	5144.5	4962.9	4410.6	3667.7	3160.8	3074.6	3132.1	3216.8	3278.9	3306.1
5568.2	20°	5386.6	5138.4	4356.2	3368.1	2971.7	2988.3	3091.2	3200.2	3268.3	3303.1
5896.5	22.5°	5663.5	5326.1	4226.0	3053.4	2817.4	2894.5	3015.6	3121.5	3192.6	3227.4
6282.3	25°	5979.7	5536.4	4021.8	2788.6	2684.2	2788.6	2909.7	2997.4	3054.9	3086.7
6713.6	27.5°	6330.8	5755.8	3749.4	2578.3	2567.7	2679.7	2779.5	2847.6	2877.9	2902.1
7172.0	30°	6683.3	5955.5	3419.6	2419.4	2466.3	2572.2	2643.4	2673.6	2682.7	2687.2
7683.4	32.5°	7064.6	6128.0	3073.1	2287.8	2369.5	2467.8	2510.2	2523.8	2481.5	2452.7
8303.8	35°	7526.1	6312.6	2734.1	2183.4	2274.2	2358.9	2372.5	2360.4	2310.5	2251.5
9081.5	37.5°	8096.5	6542.6	2463.3	2109.2	2184.9	2240.9	2224.2	2221.2	2225.7	2156.1
10016.6	40°	8795.6	6842.2	2265.1	2051.7	2112.3	2124.4	2077.5	2103.2	2125.9	2020.0
11042.5	42.5°	9571.8	7203.8	2139.5	2012.4	2051.7	2023.0	1950.4	1979.1	1976.1	1836.9
12072.9	45°	10363.1	7597.2	2095.6	1983.7	1995.8	1938.3	1858.1	1865.6	1802.1	1676.5
13061.0	47.5°	11149.9	8019.4	2122.9	1959.4	1926.2	1861.1	1799.1	1765.8	1672.0	1578.1
14008.1	50°	11921.6	8462.7	2222.7	1911.0	1830.8	1793.0	1747.6	1688.6	1588.7	1508.5
14903.9	52.5°	12637.3	8909.0	2334.7	1830.8	1711.3	1734.0	1705.2	1637.2	1538.8	1457.1
15751.2	55°	13315.2	9355.4	2378.6	1720.4	1599.3	1682.6	1665.9	1540.3	1422.3	1355.7
16637.9	57.5°	14053.5	9892.6	2330.2	1579.7	1508.5	1623.5	1560.0	1420.8	1352.7	1302.8
17792.4	60°	15076.4	10735.3	2225.7	1405.7	1422.3	1535.8	1426.8	1369.3	1295.2	1239.2
19523.3	62.5°	16775.6	12307.4	2057.8	1233.2	1320.9	1405.7	1363.3	1305.8	1230.1	1175.7
22482.9	65°	19287.3	14492.3	1741.6	1098.5	1207.4	1278.6	1295.2	1237.7	1159.0	1101.5
25076.4	67.5°	21405.6	15863.2	1317.9	986.5	1090.9	1175.7	1222.6	1166.6	1083.4	1027.4
25683.1	70°	21289.1	14867.6	1006.2	876.1	988.0	1074.3	1134.8	1090.9	1001.7	948.7
23328.8	72.5°	18909.0	12437.6	814.0	764.1	883.6	968.4	1041.0	1007.7	916.9	865.5
17090.3	75°	13891.6	8828.9	650.6	650.6	753.5	857.9	938.1	916.9	833.7	797.4
7175.1	77.5°	5855.6	3704.0	509.9	540.2	626.4	736.9	836.7	844.3	771.7	817.1
1897.4	80°	1557.0	1021.3	388.9	425.2	491.8	608.3	727.8	724.8	646.1	603.7
705.1	82.5°	593.1	402.5	276.9	299.6	355.6	466.0	576.5	594.6	516.0	446.4
276.9	85°	228.5	172.5	171.0	180.1	207.3	308.7	435.8	450.9	388.9	329.9
77.2	87.5°	59.0	51.4	63.5	60.5	95.3	164.9	249.7	258.7	237.6	137.7
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>
4180.7
3988.5
3696.5
3430.2
3269.8
3224.4
3260.7
3312.1
3312.1
3236.5
3095.8
2911.2
2697.8
2461.8
2254.5
2160.7
2023.0
1835.4
1681.0
1578.1
1502.5
1458.6
1349.7
1298.2
1236.2
1175.7
1104.6
1028.9
953.2
865.5
786.8
741.4
561.4
446.4
340.4
196.7
0.0

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