

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: P942377

Luminaire Tested: **GALN-SB6B-835-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942377
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6B-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31694 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

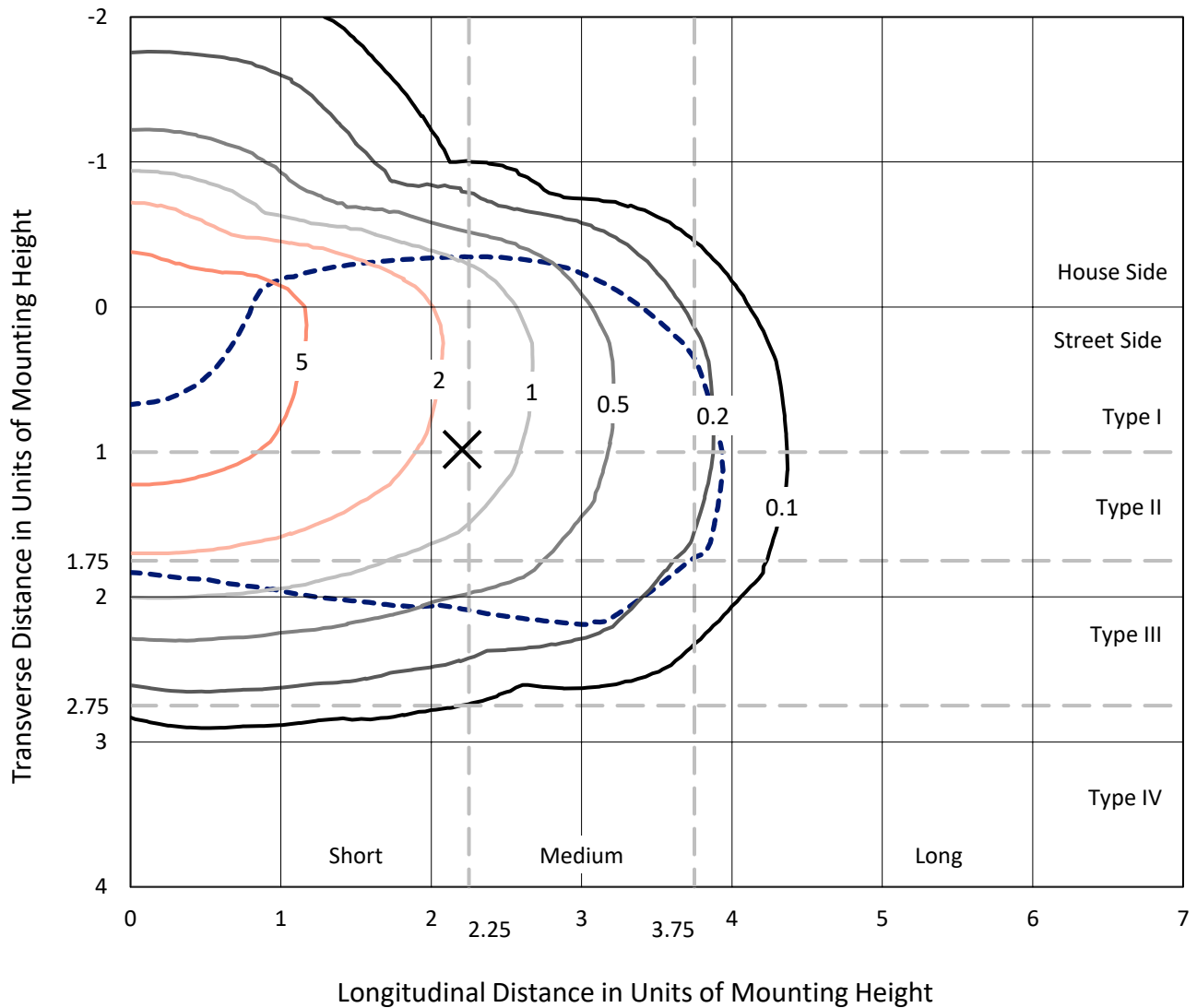
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

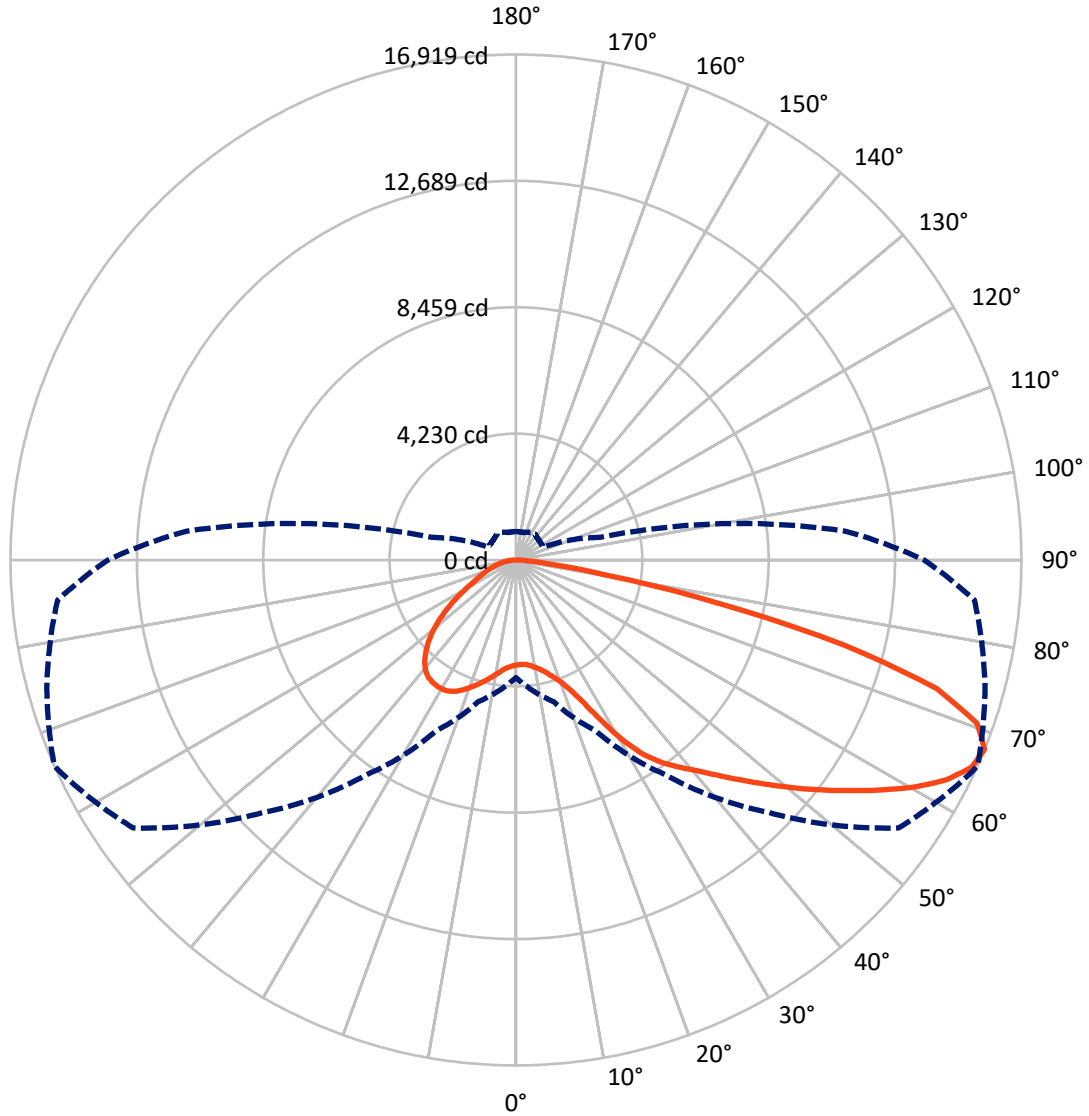
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7880.6	0.0	7880.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23813.4	0.0	23813.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	31694.0	0.0	31694.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.5	1.1
10°-20°	1151.5	3.6
20°-30°	2219.4	7.0
30°-40°	3891.5	12.3
40°-50°	5785.3	18.3
50°-60°	7333.5	23.1
60°-70°	7175.6	22.6
70°-80°	3422.8	10.8
80°-90°	365.8	1.2
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°	31694.0	100.0
0°-180°	31694.0	100.0



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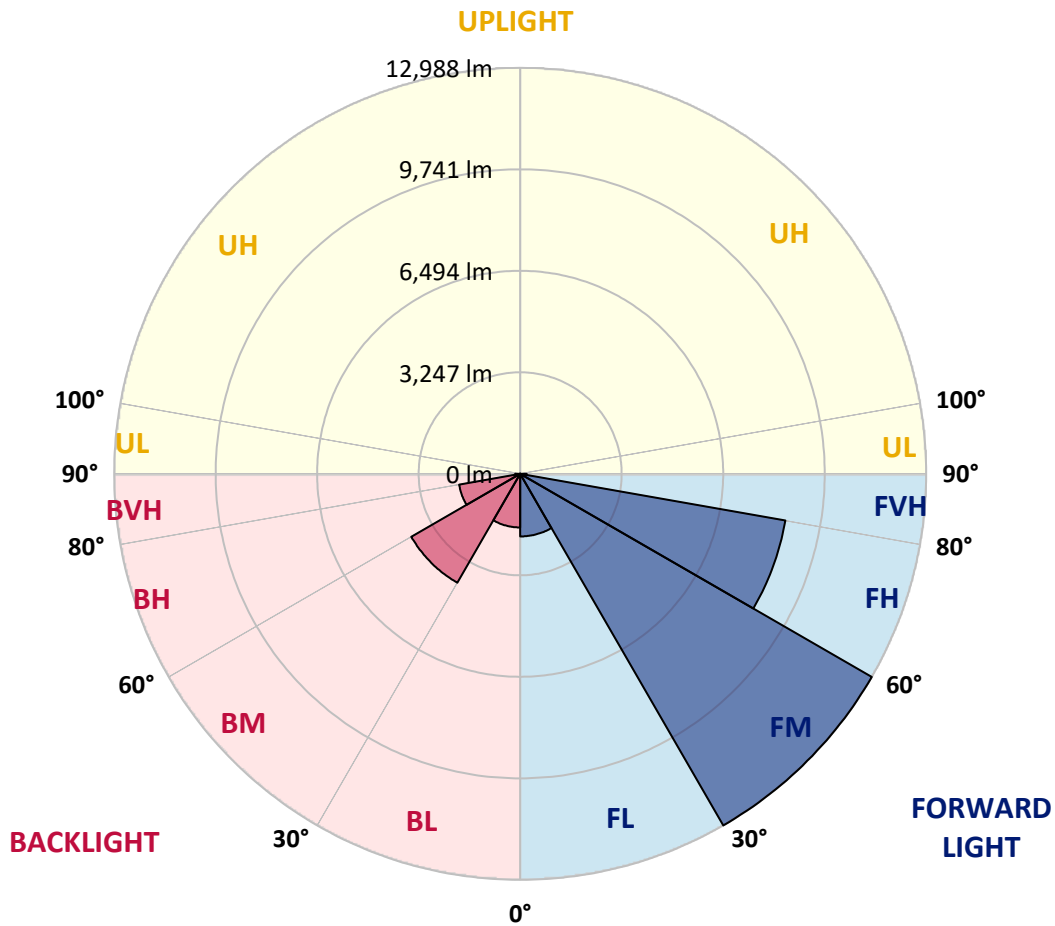
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2002.7	6.3			
FM (30°-60°)	12987.9	41.0			
FH (60°-80°)	8615.3	27.2			G4/12000
FVH (80°-90°)	207.4	0.7			G2/225
BL (0°-30°)	1716.7	5.4	B3/2500		
BM (30°-60°)	4022.4	12.7	B3/5000		
BH (60°-80°)	1983.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	158.4	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3
2.5°	3478.6	3498.6	3493.6	3485.3	3483.6	3487.0	3492.0	3497.0	3495.3	3503.6
5°	3468.7	3488.6	3487.0	3487.0	3493.6	3507.0	3515.3	3523.6	3515.3	3525.3
7.5°	3475.3	3490.3	3497.0	3503.6	3520.3	3545.3	3565.2	3583.6	3573.6	3585.2
10°	3560.2	3571.9	3578.6	3578.6	3590.2	3618.5	3638.5	3671.8	3663.5	3681.8
12.5°	3715.1	3726.8	3726.8	3720.1	3728.4	3746.7	3753.4	3790.0	3775.1	3805.0
15°	3904.9	3928.3	3909.9	3898.3	3901.6	3919.9	3918.3	3946.6	3931.6	3956.6
17.5°	4114.8	4144.7	4114.8	4113.1	4106.4	4126.4	4128.1	4153.1	4126.4	4144.7
20°	4362.9	4404.5	4379.5	4387.9	4372.9	4381.2	4389.5	4426.2	4384.5	4397.9
22.5°	4712.6	4762.5	4735.9	4767.5	4757.5	4750.9	4749.2	4814.2	4749.2	4754.2
25°	5222.1	5282.1	5235.5	5278.8	5278.8	5300.4	5325.4	5408.6	5300.4	5268.8
27.5°	5974.8	6034.8	5943.2	5969.8	5961.5	6014.8	5988.1	6194.6	6078.1	6026.4
30°	6880.7	6987.3	6814.1	6807.4	6799.1	6884.0	6922.3	7058.9	6940.6	6889.0
32.5°	7859.8	7971.4	7764.9	7705.0	7673.3	7725.0	7693.3	7803.2	7721.6	7641.7
35°	8895.6	9005.5	8809.0	8692.5	8565.9	8457.7	8344.4	8372.7	8296.1	8174.6
37.5°	9874.8	10076.3	9868.1	9743.2	9510.1	9298.6	8982.2	8850.7	8779.0	8667.5
40°	10872.2	10987.1	10828.9	10722.4	10469.3	10137.9	9631.6	9353.6	9257.0	9148.7
42.5°	11606.6	11716.5	11631.6	11558.3	11360.1	10975.5	10321.0	9973.0	9833.1	9711.6
45°	12189.4	12271.0	12217.7	12244.4	12159.5	11786.4	11035.4	10637.4	10492.6	10344.4
47.5°	12424.2	12510.8	12595.7	12753.9	12898.8	12624.0	11803.1	11356.8	11203.6	11052.1
50°	12397.6	12485.8	12732.3	13068.7	13518.3	13426.7	12612.4	12122.8	11981.3	11808.1
52.5°	12184.4	12284.3	12600.7	13160.2	13876.3	14027.8	13436.7	12913.8	12780.6	12574.1
55°	11624.9	11684.9	12159.5	12952.1	13961.2	14447.5	14244.3	13756.4	13623.2	13335.1
57.5°	10587.5	10674.1	11365.1	12390.9	13748.1	14732.2	14953.7	14642.3	14514.1	14099.4
60°	9233.7	9371.9	10162.8	11448.4	13205.2	14730.6	15598.1	15513.2	15406.6	14852.1
62.5°	7701.7	7861.5	8622.5	10116.2	12256.0	14312.6	16001.1	16242.6	16187.6	15546.5
65°	5914.9	6024.8	6782.4	8392.7	10779.0	13415.0	16047.7	16740.5	16750.5	16074.4
67.5°	3938.2	4254.6	4912.4	6297.9	8800.7	11948.0	15638.1	16822.1	16918.7	16255.9
70°	1921.7	2338.0	2982.4	4093.1	6297.9	9698.3	14567.4	16152.7	16367.5	15726.4
72.5°	797.6	932.5	1283.9	2019.9	3615.2	6544.3	12415.9	14337.6	14735.5	13934.6
75°	537.9	582.8	734.4	1035.8	1646.9	3227.2	8953.9	10690.7	11331.8	10524.2
77.5°	414.6	442.9	534.5	724.4	979.2	1220.6	4792.5	6442.7	6774.1	6271.2
80°	326.4	348.0	399.7	527.9	694.4	652.8	1633.6	2919.1	3110.6	2609.4
82.5°	283.1	291.4	286.4	358.0	461.3	381.3	536.2	1077.4	1189.0	862.6
85°	204.8	228.1	238.1	221.5	244.8	193.2	219.8	381.3	419.6	374.7
87.5°	83.3	123.2	151.5	143.2	89.9	55.0	68.3	111.6	128.2	139.9
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°
3515.3	0°	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3	3515.3
3516.9	2.5°	3518.6	3530.3	3538.6	3548.6	3555.2	3565.2	3585.2	3596.9	3598.5	3606.9
3543.6	5°	3550.3	3566.9	3585.2	3611.9	3641.8	3666.8	3705.1	3731.8	3741.8	3750.1
3608.5	7.5°	3618.5	3641.8	3675.1	3721.8	3765.1	3798.4	3845.0	3876.6	3908.3	3919.9
3711.8	10°	3720.1	3753.4	3801.7	3865.0	3911.6	3954.9	4003.2	4029.8	4061.5	4074.8
3835.0	12.5°	3846.7	3881.6	3944.9	4033.2	4076.5	4106.4	4123.1	4116.4	4123.1	4134.7
3983.2	15°	3991.5	4029.8	4101.4	4196.4	4226.3	4199.7	4163.1	4129.8	4124.8	4128.1
4163.1	17.5°	4163.1	4191.4	4274.6	4354.6	4332.9	4223.0	4143.1	4089.8	4063.1	4054.8
4392.9	20°	4402.8	4402.8	4471.1	4521.1	4376.2	4189.7	4064.8	3978.2	3923.3	3899.9
4705.9	22.5°	4694.3	4667.6	4710.9	4675.9	4367.9	4096.4	3923.3	3773.4	3690.1	3656.8
5143.9	25°	5063.9	5032.3	5020.6	4804.2	4307.9	3948.2	3666.8	3485.3	3412.0	3393.7
5775.0	27.5°	5621.8	5541.9	5390.3	4874.1	4198.0	3715.1	3367.1	3198.9	3157.3	3158.9
6586.0	30°	6364.5	6204.6	5833.3	4885.8	4018.2	3385.4	3060.7	2940.8	2920.8	2929.1
7267.0	32.5°	7052.2	6900.7	6286.2	4832.5	3741.8	3062.3	2785.9	2706.0	2676.0	2686.0
7786.6	35°	7591.7	7550.1	6705.8	4757.5	3402.0	2759.3	2539.5	2471.2	2412.9	2399.6
8276.2	37.5°	8101.3	8084.7	7020.6	4652.6	3065.7	2544.5	2341.3	2251.4	2166.5	2119.8
8817.4	40°	8660.8	8644.2	7227.1	4491.1	2767.6	2358.0	2163.1	2044.9	1940.0	1855.1
9430.2	42.5°	9290.3	9192.0	7325.3	4259.6	2514.5	2199.8	2018.2	1858.4	1720.2	1641.9
10122.9	45°	9978.0	9756.5	7323.6	3964.9	2301.3	2054.9	1863.4	1636.9	1508.7	1435.4
10833.9	47.5°	10707.4	10296.1	7233.7	3638.5	2094.8	1895.0	1623.6	1450.4	1365.5	1320.5
11606.6	50°	11460.1	10800.6	7080.5	3263.8	1883.4	1713.5	1473.7	1355.5	1290.5	1248.9
12372.6	52.5°	12167.8	11258.6	6895.7	2839.2	1668.6	1537.0	1407.1	1315.5	1247.3	1200.6
13115.3	55°	12825.5	11653.2	6634.2	2404.6	1493.7	1418.8	1375.5	1298.9	1220.6	1165.7
13869.6	57.5°	13410.0	11909.7	6183.0	1996.6	1368.8	1337.2	1342.2	1270.6	1180.6	1134.0
14612.3	60°	13896.3	12097.8	5515.2	1618.6	1267.2	1257.2	1290.5	1217.3	1112.4	1059.1
15240.1	62.5°	14187.7	12094.5	4695.9	1325.5	1180.6	1184.0	1222.3	1150.7	1044.1	994.1
15568.2	65°	14162.7	11798.1	3796.7	1134.0	1097.4	1100.7	1150.7	1077.4	987.5	957.5
15403.3	67.5°	13661.5	11075.4	2912.5	1009.1	1005.8	1020.8	1079.1	1027.4	952.5	949.2
14420.8	70°	12304.3	9575.0	2098.2	909.2	910.9	932.5	1009.1	995.8	934.2	940.9
12124.5	72.5°	9866.4	7300.3	1408.8	804.3	806.0	840.9	942.5	970.8	915.9	1004.1
8602.5	75°	6571.0	4552.7	905.9	692.7	694.4	739.4	884.2	922.5	865.9	1000.8
4476.1	77.5°	3157.3	2046.6	656.1	582.8	582.8	624.5	764.3	826.0	737.7	777.7
1438.8	80°	1090.7	769.3	516.2	469.6	459.6	487.9	644.4	716.0	636.1	586.2
469.6	82.5°	429.6	399.7	414.6	364.7	331.4	349.7	501.2	591.2	467.9	423.0
264.8	85°	246.5	259.8	293.1	241.5	191.5	214.8	368.0	424.6	353.0	311.4
86.6	87.5°	66.6	91.6	134.9	124.9	86.6	91.6	174.8	234.8	203.2	156.5
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>
3515.3
3605.2
3748.4
3921.6
4081.5
4138.1
4139.7
4066.5
3895.0
3651.8
3397.1
3163.9
2957.4
2699.3
2409.6
2121.5
1863.4
1646.9
1432.1
1310.5
1233.9
1180.6
1144.0
1104.0
1035.8
979.2
955.8
954.2
939.2
1017.5
1009.1
712.7
549.5
421.3
318.1
161.5
0.0

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