

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: P942619

Luminaire Tested: **GALN-SB6C-950-U-T4FT**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942619  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-950-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

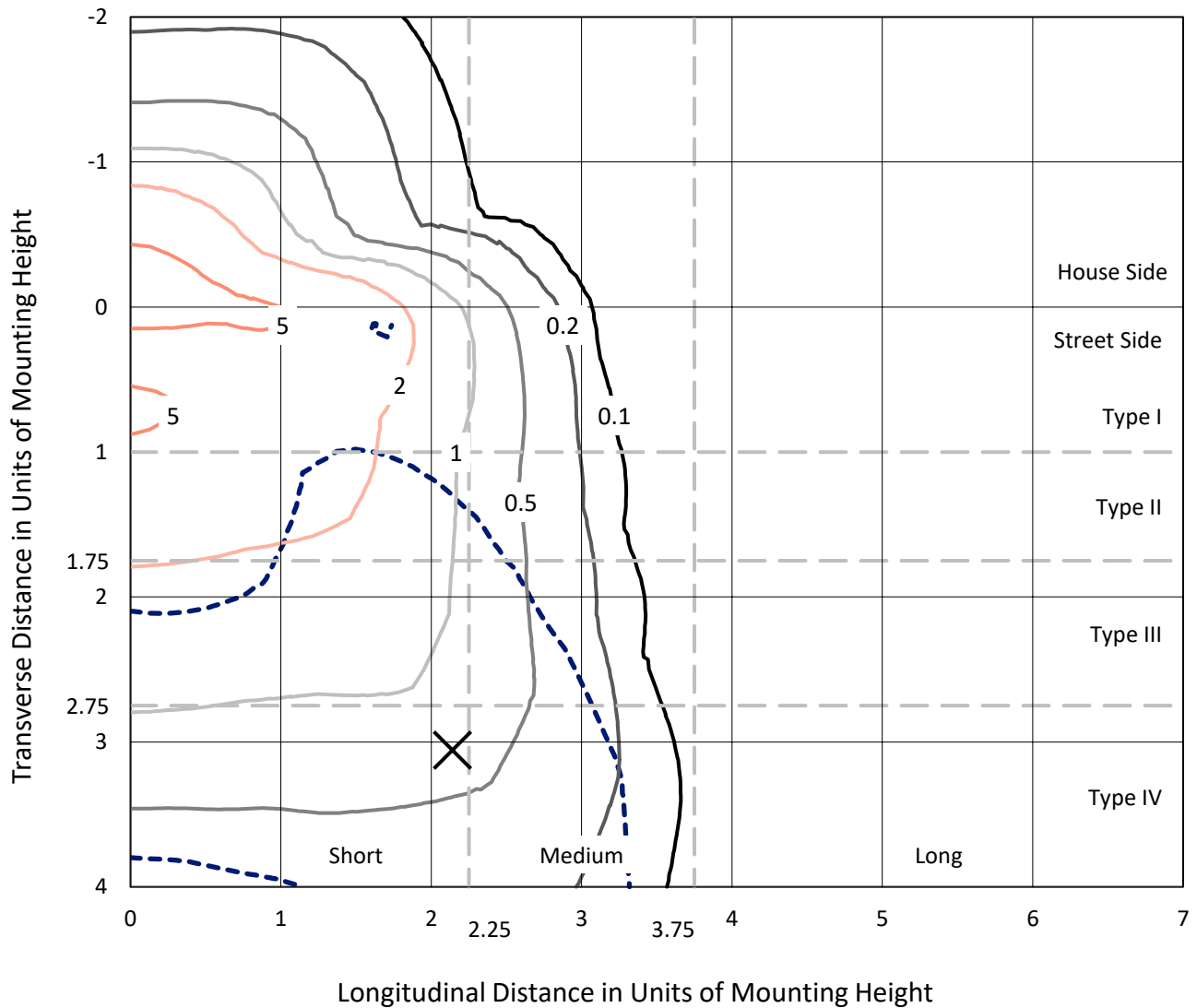
Lumens per Lamp: N/A  
Luminaire Lumens: 31225 lumens  
Efficiency: N/A  
Efficacy: 103.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

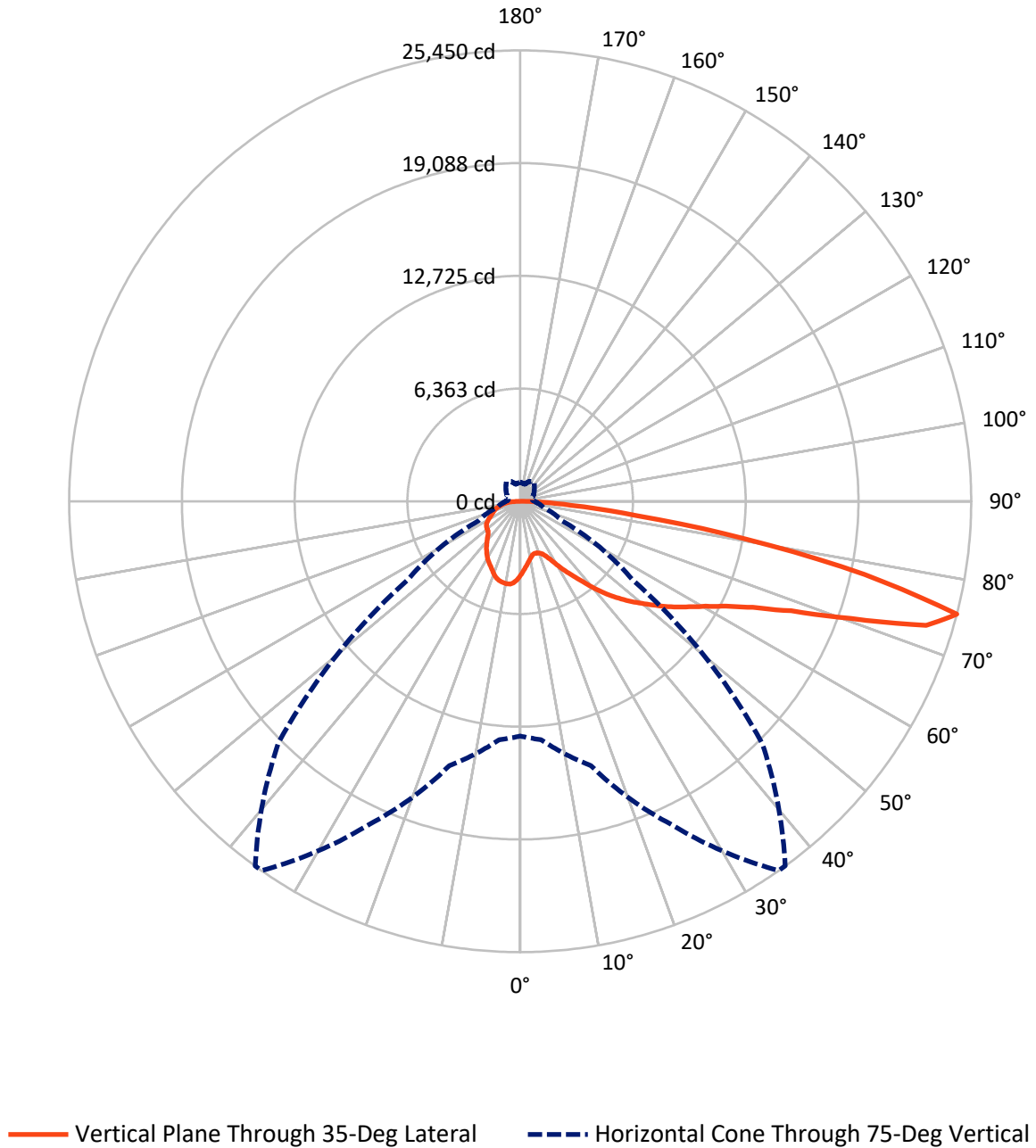
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7430.8	0.0	7430.8
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	23794.2	0.0	23794.2
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	31225.0	0.0	31225.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	394.0	1.3
10°-20°	1136.3	3.6
20°-30°	1908.2	6.1
30°-40°	2965.6	9.5
40°-50°	4401.8	14.1
50°-60°	6076.9	19.5
60°-70°	7372.7	23.6
70°-80°	6093.0	19.5
80°-90°	876.4	2.8
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°	31225.0	100.0
0°-180°	31225.0	100.0



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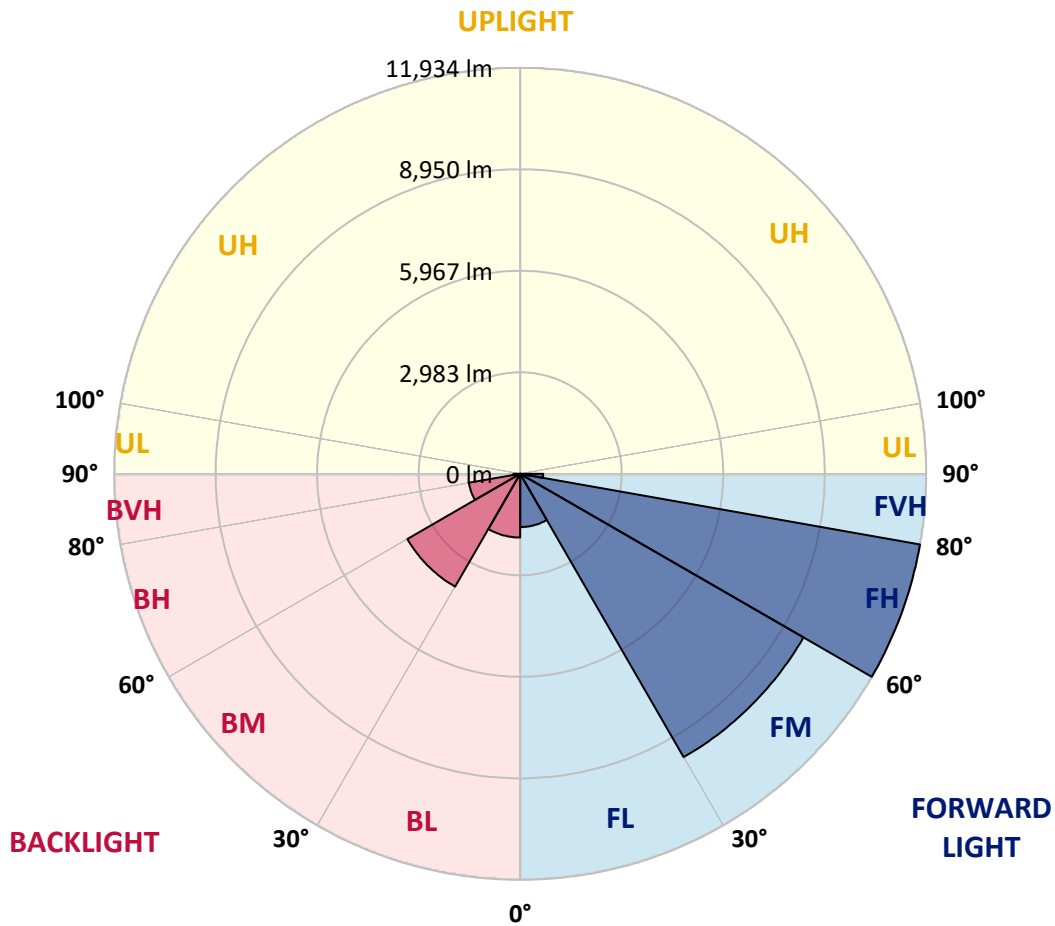
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1565.9	5.0			
FM (30°-60°)	9615.6	30.8			
FH (60°-80°)	11933.7	38.2			G4/12000
FVH (80°-90°)	679.0	2.2			G4/750
BL (0°-30°)	1872.7	6.0	B3/2500		
BM (30°-60°)	3828.8	12.3	B3/5000		
BH (60°-80°)	1532.0	4.9	B3/2500		G3/2500
BVH (80°-90°)	197.3	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9
2.5°	3836.8	3860.5	3870.6	3865.5	3890.9	3887.5	3922.9	3966.8	4027.6	4086.7
5°	3541.4	3566.8	3588.7	3609.0	3657.9	3673.1	3728.8	3813.2	3924.6	4037.7
7.5°	3266.3	3288.2	3322.0	3359.1	3441.9	3457.0	3549.9	3681.5	3836.8	4002.3
10°	3041.8	3063.7	3099.2	3141.4	3244.4	3262.9	3381.1	3556.6	3759.2	3968.5
12.5°	2945.6	2952.3	2972.6	3014.8	3104.2	3116.1	3246.0	3446.9	3683.2	3943.2
15°	2940.5	2954.0	2955.7	2977.6	3051.9	3057.0	3176.8	3376.0	3636.0	3938.1
17.5°	2991.2	3001.3	2986.1	2999.6	3062.0	3070.5	3165.0	3342.3	3620.8	3960.1
20°	3126.2	3134.6	3089.1	3070.5	3116.1	3122.8	3215.7	3364.2	3636.0	4005.6
22.5°	3413.2	3418.2	3306.8	3230.8	3234.2	3237.6	3318.6	3453.7	3695.1	4088.4
25°	3860.5	3857.1	3679.9	3533.0	3448.6	3430.0	3484.1	3598.8	3794.6	4198.1
27.5°	4383.8	4358.4	4181.2	3961.8	3777.8	3750.8	3738.9	3787.9	3936.4	4343.2
30°	4974.6	4950.9	4760.2	4473.2	4218.3	4174.4	4063.0	4037.7	4147.4	4540.7
32.5°	5622.8	5607.6	5379.7	5032.0	4691.0	4640.3	4453.0	4385.4	4471.5	4839.5
35°	6166.3	6152.8	5963.7	5605.9	5188.9	5126.5	4935.7	4859.8	4903.7	5222.7
37.5°	6657.5	6650.8	6488.7	6206.8	5776.4	5700.4	5486.0	5460.7	5452.3	5727.4
40°	7113.3	7096.4	6927.6	6779.0	6460.0	6390.8	6201.7	6179.8	6115.7	6348.6
42.5°	7618.0	7574.1	7329.3	7260.1	7174.0	7116.6	7003.5	7006.9	6865.1	7049.1
45°	8029.9	8004.5	7753.0	7712.5	7805.4	7781.7	7879.6	7904.9	7629.8	7783.4
47.5°	8472.1	8448.5	8235.8	8207.1	8458.6	8465.4	8811.4	8819.8	8375.9	8546.4
50°	9017.3	8983.6	8772.6	8808.0	9089.9	9115.2	9748.3	9690.9	9062.9	9321.2
52.5°	9376.9	9397.1	9351.6	9409.0	9793.8	9817.5	10669.9	10523.0	9743.2	10085.9
55°	9641.9	9682.4	9824.2	9955.9	10536.6	10560.2	11539.2	11314.7	10307.0	10794.8
57.5°	9982.9	9925.5	10190.5	10447.1	11242.1	11304.6	12384.9	12077.7	10806.6	11405.9
60°	10472.4	10431.9	10637.8	11017.6	12032.1	12131.7	13279.6	12764.7	11172.9	11890.3
62.5°	11465.0	11363.7	11395.7	11731.7	13028.1	13159.7	14289.0	13364.0	11355.2	12079.4
65°	12948.7	12774.9	12612.8	12845.7	14430.8	14560.8	15428.4	13834.9	11287.7	11713.1
67.5°	14817.3	14645.2	14446.0	14665.4	16496.9	16599.9	16834.5	14099.9	10756.0	10301.9
70°	16358.5	16294.4	16532.4	17435.4	19797.0	19800.3	18637.3	13880.5	9299.2	7304.0
72.5°	16154.2	16115.4	17369.6	20161.6	23956.2	23866.8	20343.9	12219.5	6264.2	3295.0
75°	13252.6	13504.1	15447.0	20112.6	25450.1	25438.3	19299.0	7768.2	2591.1	1365.6
77.5°	7106.5	7504.9	10028.5	14849.4	19867.9	20166.6	13568.2	2717.7	1112.4	874.4
80°	2317.6	2665.4	3997.2	7560.6	12909.9	12854.2	5815.2	1066.8	761.3	619.5
82.5°	984.1	1024.6	1785.9	3570.1	6625.4	6522.5	1851.7	612.7	535.1	423.7
85°	384.9	430.4	788.3	1650.9	2869.6	2807.2	668.5	303.8	342.7	276.8
87.5°	126.6	153.6	281.9	565.5	893.0	860.9	163.7	104.7	148.5	126.6
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°
4160.9	0°	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9	4160.9
4172.8	2.5°	4196.4	4223.4	4255.5	4302.7	4343.2	4377.0	4412.5	4434.4	4442.8	4468.2
4179.5	5°	4226.8	4285.9	4365.2	4442.8	4518.8	4564.4	4604.9	4625.1	4643.7	4657.2
4198.1	7.5°	4277.4	4353.4	4478.3	4579.6	4643.7	4680.8	4707.9	4701.1	4707.9	4711.2
4218.3	10°	4321.3	4427.6	4576.2	4672.4	4721.4	4723.0	4716.3	4692.7	4680.8	4682.5
4248.7	12.5°	4373.6	4491.8	4652.2	4733.2	4746.7	4709.5	4680.8	4640.3	4625.1	4618.4
4294.3	15°	4444.5	4579.6	4734.9	4765.2	4731.5	4684.2	4635.3	4569.4	4535.7	4508.7
4371.9	17.5°	4530.6	4679.2	4799.0	4777.1	4704.5	4626.8	4547.5	4447.9	4378.7	4350.0
4478.3	20°	4650.5	4783.8	4848.0	4751.7	4642.0	4523.9	4388.8	4267.3	4203.1	4174.4
4613.3	22.5°	4795.6	4923.9	4895.2	4707.9	4552.6	4363.5	4194.7	4105.2	4073.2	4052.9
4787.2	25°	4969.5	5079.2	4929.0	4643.7	4405.7	4150.8	4020.8	3992.1	3976.9	3961.8
4999.9	27.5°	5195.7	5254.8	4954.3	4549.2	4176.1	3924.6	3877.4	3882.4	3877.4	3852.0
5295.3	30°	5494.5	5482.7	4977.9	4395.6	3912.8	3720.4	3723.7	3745.7	3749.1	3732.2
5707.2	32.5°	5887.8	5767.9	4989.8	4196.4	3661.3	3541.4	3544.8	3568.5	3585.3	3556.6
6245.6	35°	6363.8	6100.5	4971.2	3946.6	3467.2	3371.0	3345.6	3352.4	3357.5	3330.4
6898.9	37.5°	6919.1	6473.5	4888.5	3669.7	3306.8	3203.8	3149.8	3104.2	3077.2	3051.9
7638.2	40°	7528.5	6880.3	4736.6	3399.7	3127.9	3026.6	2945.6	2859.5	2768.3	2734.6
8421.5	42.5°	8166.6	7299.0	4552.6	3141.4	2921.9	2839.2	2753.1	2628.2	2491.5	2422.3
9235.1	45°	8828.3	7727.7	4371.9	2886.5	2710.9	2675.5	2575.9	2425.7	2277.1	2189.3
10050.4	47.5°	9476.5	8132.8	4106.9	2629.9	2513.4	2552.3	2474.6	2336.2	2170.8	2032.4
10859.0	50°	10096.0	8512.6	3673.1	2370.0	2353.1	2515.1	2440.9	2241.7	2052.6	1875.4
11652.3	52.5°	10710.4	8819.8	3117.8	2133.6	2267.0	2505.0	2397.0	2177.5	1946.3	1760.6
12398.4	55°	11232.0	8978.5	2582.7	1931.1	2142.1	2418.9	2344.6	2101.6	1796.0	1598.5
12909.9	57.5°	11529.1	8850.2	2137.0	1731.9	1969.9	2277.1	2255.2	1939.5	1617.1	1465.2
13009.5	60°	11400.8	8330.3	1772.4	1558.0	1806.2	2123.5	2099.9	1779.2	1480.4	1336.9
12476.1	62.5°	10693.5	7339.5	1483.8	1406.1	1657.6	1966.5	1944.6	1655.9	1375.7	1237.3
11059.8	65°	9268.9	5970.5	1259.3	1279.5	1507.4	1777.5	1809.5	1553.0	1293.0	1158.0
8556.5	67.5°	7069.4	4324.7	1083.7	1169.8	1360.5	1591.8	1684.6	1478.7	1223.8	1095.5
4950.9	70°	4029.3	2456.1	935.2	1063.4	1230.6	1419.6	1588.4	1419.6	1149.5	1043.2
1855.1	72.5°	1527.6	1127.6	808.6	957.1	1105.6	1274.4	1482.1	1326.8	1063.4	984.1
958.8	75°	815.3	687.0	680.3	832.2	962.2	1132.7	1348.7	1235.6	999.3	1039.8
663.4	77.5°	555.4	486.1	568.9	712.3	805.2	975.7	1206.9	1097.2	865.9	862.6
459.1	80°	384.9	344.4	462.5	573.9	622.9	820.4	1053.3	941.9	705.6	658.3
283.6	82.5°	231.3	224.5	346.0	428.8	440.6	633.0	872.7	790.0	577.3	503.0
168.8	85°	126.6	133.4	221.1	251.5	256.6	442.3	683.6	611.1	443.9	373.1
60.8	87.5°	35.4	45.6	81.0	99.6	123.2	229.6	406.8	362.9	222.8	155.3
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>
4160.9
4466.5
4660.6
4716.3
4685.9
4615.0
4517.1
4351.7
4171.1
4056.3
3961.8
3857.1
3740.6
3570.1
3349.0
3068.8
2749.8
2430.7
2182.6
2017.2
1860.2
1740.3
1581.7
1444.9
1316.6
1215.4
1136.0
1075.3
1029.7
970.6
1073.6
795.1
629.6
506.4
376.4
155.3
0.0

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