

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: P942618

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942618  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
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-HSS  
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 WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

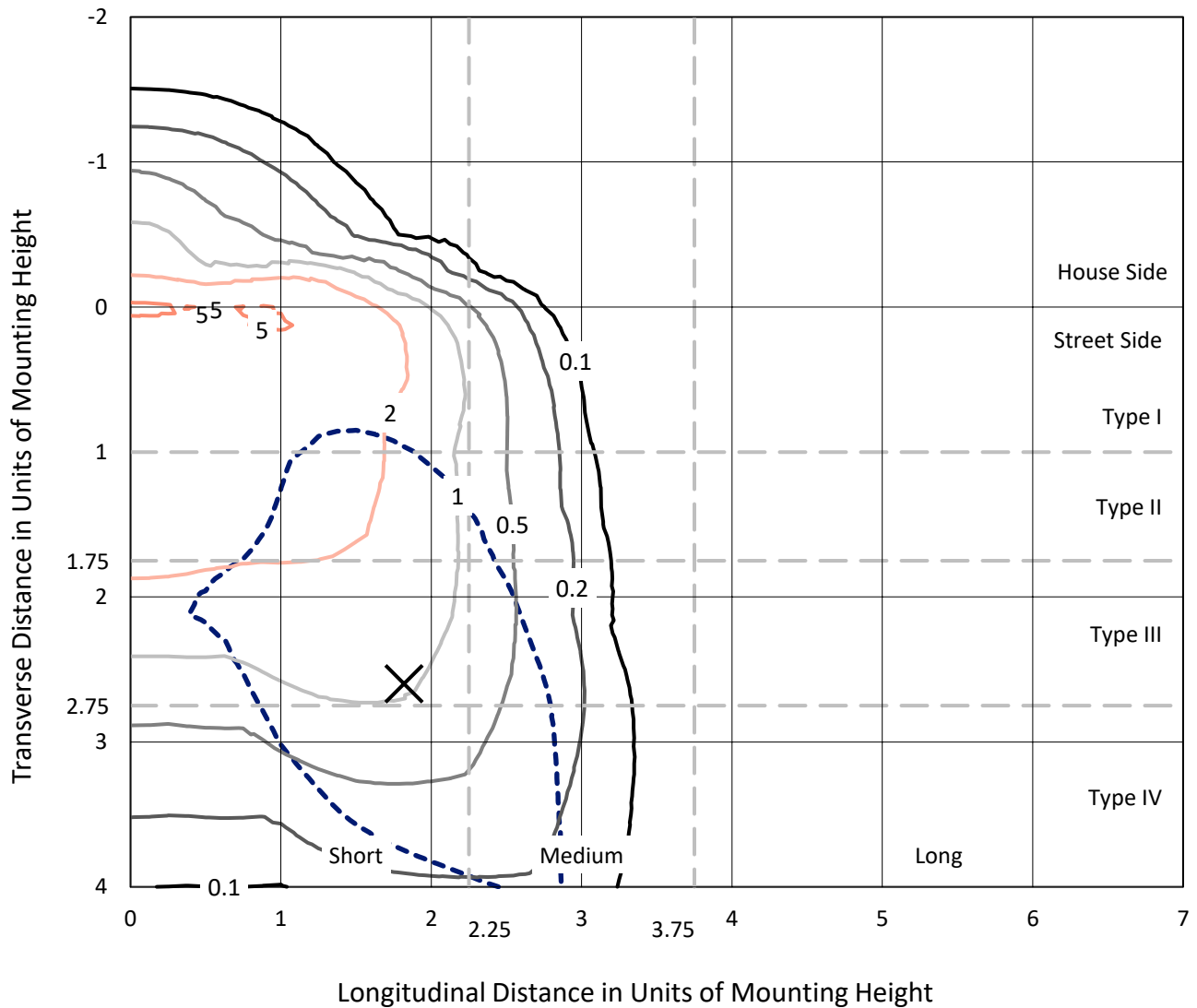
Lumens per Lamp: N/A  
Luminaire Lumens: 23920 lumens  
Efficiency: N/A  
Efficacy: 79.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

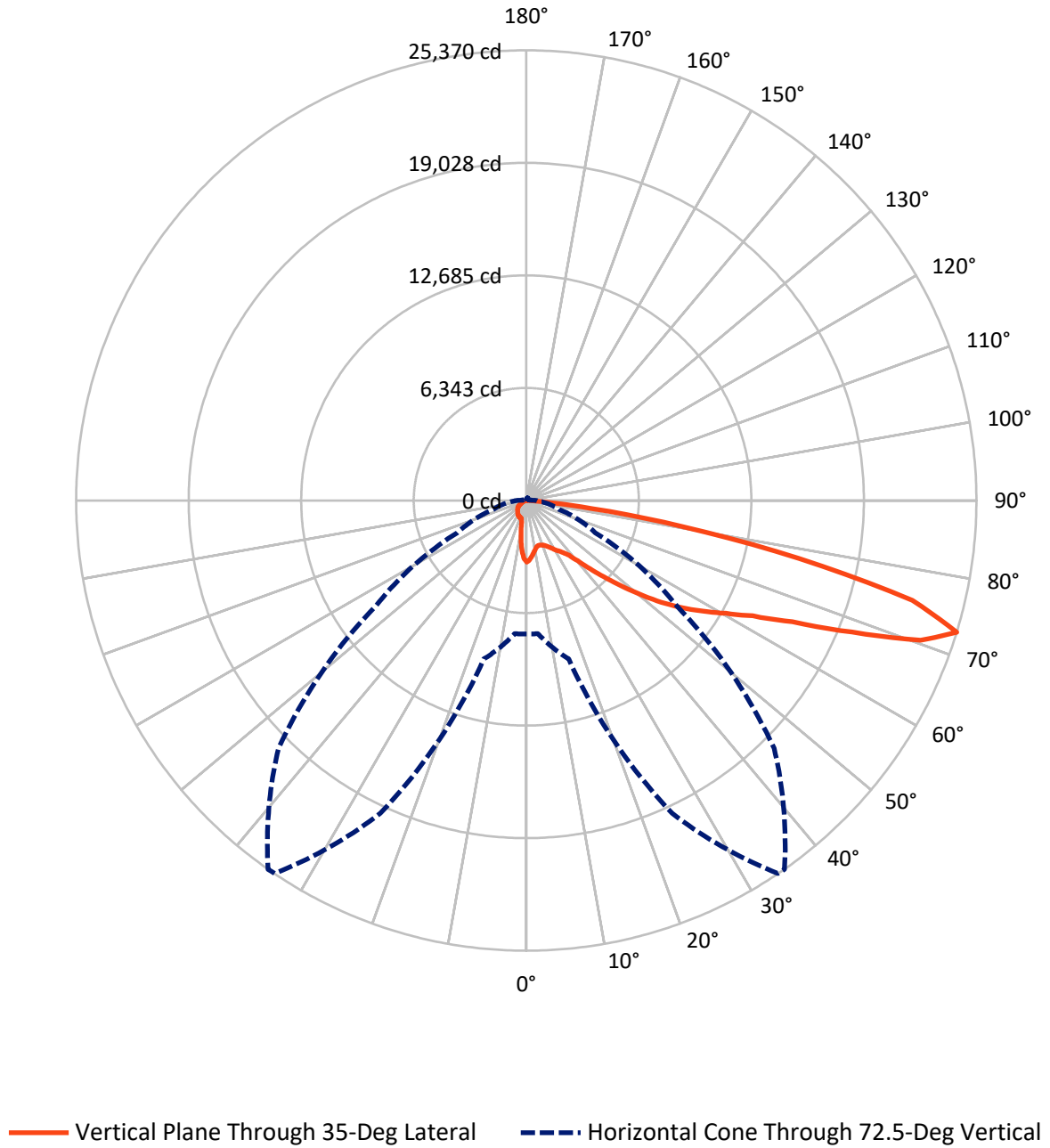
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	2692.1	0.0	2692.1
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	21227.9	0.0	21227.9
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	23920.0	0.0	23920.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.9	1.2
10°-20°	666.4	2.8
20°-30°	1082.6	4.5
30°-40°	1806.3	7.6
40°-50°	3417.6	14.3
50°-60°	5430.6	22.7
60°-70°	6718.0	28.1
70°-80°	4176.0	17.5
80°-90°	337.5	1.4
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°	23920.0	100.0
0°-180°	23920.0	100.0



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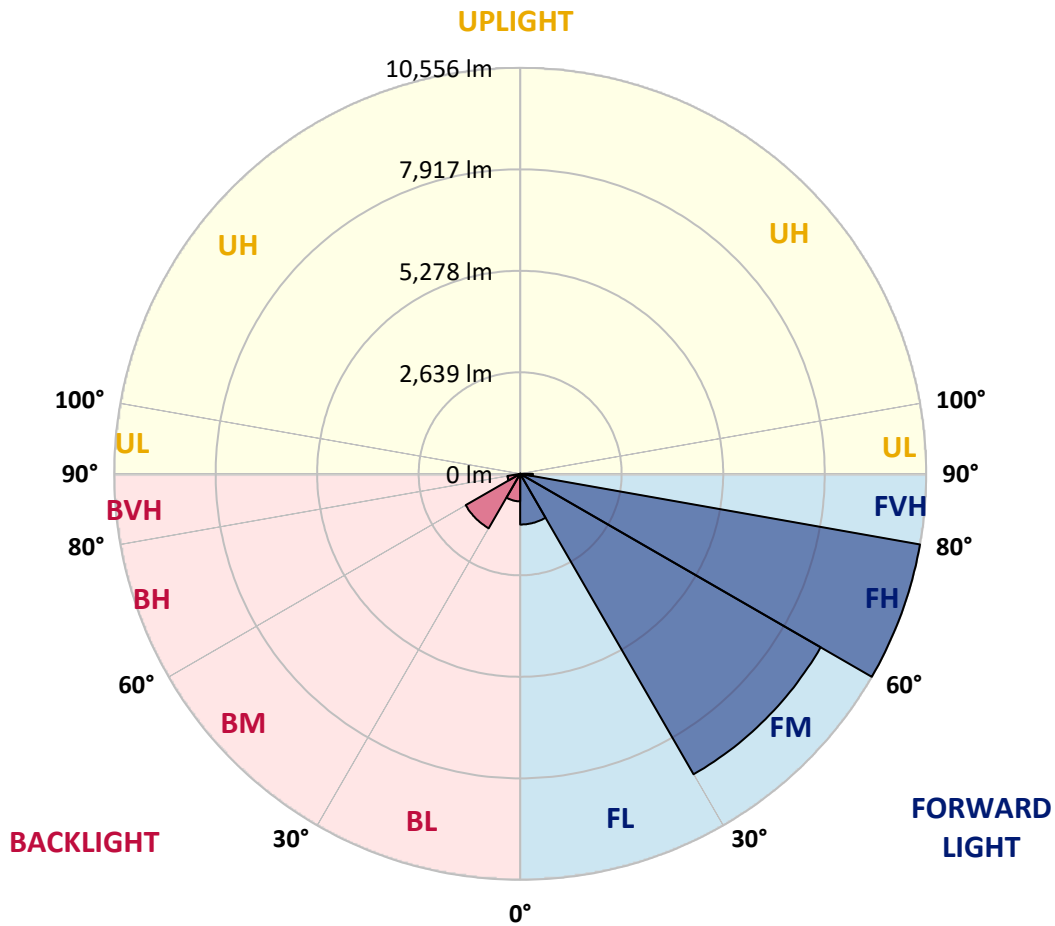
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1318.6	5.5			
FM (30°-60°)	9020.2	37.7			
FH (60°-80°)	10556.2	44.1			G4/12000
FVH (80°-90°)	332.9	1.4			G3/500
BL (0°-30°)	715.3	3.0	B2/1000		
BM (30°-60°)	1634.3	6.8	B2/2500		
BH (60°-80°)	337.8	1.4	B1/500		G1/500
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8
2.5°	3312.6	3340.6	3345.9	3354.6	3354.6	3365.2	3382.7	3407.2	3447.5	3468.6
5°	3053.2	3074.2	3100.5	3121.5	3161.8	3167.1	3235.5	3302.1	3394.9	3465.1
7.5°	2792.0	2816.6	2851.6	2902.4	2955.0	2970.8	3074.2	3186.4	3333.6	3465.1
10°	2608.0	2609.7	2641.3	2692.1	2776.3	2795.5	2921.7	3081.2	3265.3	3444.0
12.5°	2504.6	2516.9	2530.9	2569.4	2650.1	2662.3	2797.3	2984.8	3196.9	3431.8
15°	2504.6	2513.3	2522.1	2541.4	2606.2	2616.8	2735.9	2923.5	3161.8	3437.0
17.5°	2530.9	2544.9	2537.9	2560.7	2629.0	2636.0	2741.2	2906.0	3160.1	3470.3
20°	2594.0	2604.5	2590.5	2604.5	2672.8	2686.9	2795.5	2939.3	3189.9	3528.2
22.5°	2693.9	2699.1	2665.8	2676.3	2746.5	2764.0	2890.2	3033.9	3261.7	3621.0
25°	2820.1	2830.6	2779.8	2792.0	2858.6	2879.7	3025.1	3175.9	3375.7	3749.0
27.5°	2965.5	2970.8	2927.0	2925.2	3011.1	3040.9	3188.1	3351.1	3528.2	3910.2
30°	3132.0	3147.8	3105.8	3098.7	3207.4	3232.0	3377.4	3566.7	3752.5	4152.1
32.5°	3263.5	3275.8	3251.2	3268.8	3379.2	3398.5	3607.0	3871.7	4104.8	4495.6
35°	3452.8	3459.8	3403.7	3435.3	3561.5	3610.5	3920.8	4299.3	4548.2	4926.8
37.5°	4138.1	4138.1	3899.7	3743.7	3864.7	3908.5	4350.2	4837.4	5095.1	5505.2
40°	5086.3	5070.5	4721.7	4402.7	4387.0	4472.9	4961.8	5515.7	5801.4	6199.2
42.5°	6097.6	6073.1	5598.1	5282.6	5230.0	5259.8	5668.2	6351.7	6642.7	7045.8
45°	6995.0	6988.0	6553.3	6129.1	6034.5	6129.1	6549.8	7329.7	7538.3	7962.4
47.5°	7746.9	7746.9	7429.6	7152.7	7103.6	7159.7	7743.4	8414.6	8395.4	8938.7
50°	8612.7	8605.7	8304.2	8185.0	8235.9	8314.7	9117.5	9557.4	9282.2	9897.4
52.5°	9219.1	9261.2	9157.8	9138.5	9397.9	9534.6	10512.6	10675.6	10076.2	10807.1
55°	9699.4	9748.4	9867.6	10002.6	10502.1	10680.9	11863.9	11736.0	10740.5	11595.8
57.5°	10379.4	10309.3	10493.3	10759.7	11567.7	11783.3	13173.2	12736.8	11275.0	12235.5
60°	11204.9	11215.4	11247.0	11583.5	12631.6	12908.5	14463.2	13683.2	11618.5	12628.1
62.5°	12196.9	12212.7	12277.6	12794.6	14060.0	14321.2	15837.3	14457.9	11776.3	12517.7
65°	12128.6	12195.2	12919.0	14687.5	16231.6	16489.3	17441.0	15001.2	11537.9	11508.1
67.5°	11048.9	11157.6	12368.7	16948.5	19505.6	19793.1	19379.4	15108.1	10509.1	8949.2
70°	9632.8	9671.3	11127.8	18981.6	23296.7	23587.6	21114.6	13932.1	7974.7	4991.6
72.5°	7522.5	7531.3	9240.2	19453.0	25354.3	25370.1	19752.8	10342.6	4288.8	1917.4
75°	5373.7	5321.2	6188.7	15775.9	22306.4	22485.2	14808.4	4851.4	1638.8	906.1
77.5°	2881.4	2939.3	3501.9	9355.8	15409.6	15714.6	8079.9	1398.6	834.3	616.9
80°	890.4	939.4	1435.4	4283.6	8728.4	8912.4	2995.3	622.2	581.9	439.9
82.5°	280.4	290.9	669.5	1800.0	3622.8	3706.9	867.6	352.3	397.9	290.9
85°	80.6	82.4	298.0	671.3	895.6	913.1	243.6	136.7	227.8	180.5
87.5°	8.8	28.0	112.2	112.2	78.9	77.1	26.3	29.8	64.8	22.8
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°
3466.8	0°	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8	3466.8
3482.6	2.5°	3473.8	3475.6	3452.8	3414.2	3372.2	3337.1	3293.3	3258.2	3233.7	3226.7
3514.1	5°	3498.4	3486.1	3421.2	3303.8	3163.6	3042.7	2907.7	2800.8	2730.7	2700.9
3547.4	7.5°	3535.2	3500.1	3358.1	3126.8	2858.6	2620.3	2378.4	2190.9	2071.7	2012.1
3579.0	10°	3566.7	3496.6	3253.0	2870.9	2460.8	2099.7	1773.7	1547.6	1421.4	1361.8
3615.8	12.5°	3596.5	3494.9	3116.3	2567.7	2012.1	1570.4	1267.2	1155.0	1120.0	1107.7
3675.4	15°	3652.6	3500.1	2944.5	2220.7	1565.1	1186.6	1076.1	1074.4	1081.4	1077.9
3766.5	17.5°	3729.7	3505.4	2750.0	1852.6	1207.6	1046.4	1041.1	1056.9	1067.4	1062.1
3880.4	20°	3829.6	3526.4	2543.1	1488.0	1037.6	1011.3	1023.6	1037.6	1046.4	1037.6
4032.9	22.5°	3969.8	3563.2	2317.0	1195.3	983.3	990.3	1000.8	1016.6	1025.3	1013.1
4227.5	25°	4141.6	3621.0	2094.5	1039.3	957.0	965.7	981.5	999.0	1009.5	997.3
4472.9	27.5°	4364.2	3713.9	1889.4	1004.3	930.7	935.9	958.7	985.0	999.0	983.3
4821.6	30°	4686.7	3866.4	1712.4	1020.1	914.9	902.6	934.2	971.0	986.8	972.7
5296.6	32.5°	5114.3	4082.0	1603.7	1044.6	907.9	864.1	893.9	941.2	967.5	958.7
5917.1	35°	5675.2	4409.8	1561.6	1072.6	902.6	823.8	844.8	895.6	941.2	950.0
6698.8	37.5°	6355.2	4865.5	1573.9	1084.9	886.9	790.5	801.0	844.8	904.4	932.4
7578.6	40°	7128.2	5396.5	1644.0	1072.6	869.3	762.4	764.2	797.5	850.1	892.1
8525.1	42.5°	7925.6	6017.0	1773.7	1027.1	853.6	737.9	732.6	755.4	790.5	820.3
9469.8	45°	8684.6	6654.9	1901.7	964.0	834.3	713.3	701.1	709.8	716.8	729.1
10389.9	47.5°	9347.1	7103.6	1864.9	906.1	808.0	685.3	664.3	660.8	639.7	638.0
11211.9	50°	9804.5	7201.8	1656.3	848.3	769.4	653.8	620.5	599.4	562.6	545.1
11827.1	52.5°	9950.0	6814.4	1353.1	790.5	706.3	611.7	564.4	531.1	485.5	469.7
12181.2	55°	9757.2	6055.5	1081.4	720.4	618.7	555.6	503.0	459.2	422.4	403.1
12219.7	57.5°	9285.7	5089.8	855.3	638.0	525.8	492.5	439.9	396.1	364.6	345.3
11792.1	60°	8504.0	4041.7	676.5	539.8	448.7	424.1	369.8	341.8	313.7	290.9
10687.9	62.5°	7317.5	2884.9	531.1	427.7	375.1	347.0	315.5	294.5	261.1	229.6
8702.1	65°	5710.2	1765.0	410.1	313.7	301.5	287.4	268.2	248.9	208.6	177.0
5676.9	67.5°	3601.8	836.0	292.7	236.6	238.4	231.4	222.6	206.8	177.0	149.0
2543.1	70°	1586.2	404.9	192.8	180.5	177.0	177.0	184.0	178.8	150.7	124.4
883.4	72.5°	539.8	217.3	143.7	136.7	127.9	126.2	154.2	149.0	120.9	96.4
439.9	75°	282.2	145.5	105.2	98.2	77.1	92.9	122.7	115.7	85.9	63.1
290.9	77.5°	184.0	103.4	71.9	63.1	43.8	61.3	91.1	80.6	50.8	31.5
191.0	80°	115.7	68.4	42.1	29.8	21.0	33.3	49.1	35.1	19.3	7.0
112.2	82.5°	61.3	35.1	15.8	10.5	8.8	10.5	12.3	8.8	3.5	0.0
57.8	85°	24.5	12.3	5.3	3.5	1.8	0.0	3.5	1.8	0.0	0.0
10.5	87.5°	8.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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>
3466.8
3239.0
2711.4
2020.8
1363.6
1104.2
1076.1
1060.4
1035.8
1011.3
995.5
983.3
971.0
958.7
950.0
939.4
906.1
832.5
736.1
636.2
546.8
468.0
403.1
341.8
285.7
224.3
171.8
145.5
119.2
91.1
57.8
28.0
5.3
0.0
0.0
0.0
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