

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: STREETWORKS

Report Number: P852680

Luminaire Tested: **GLAN-SB5C-840-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-840-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 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: 25473 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

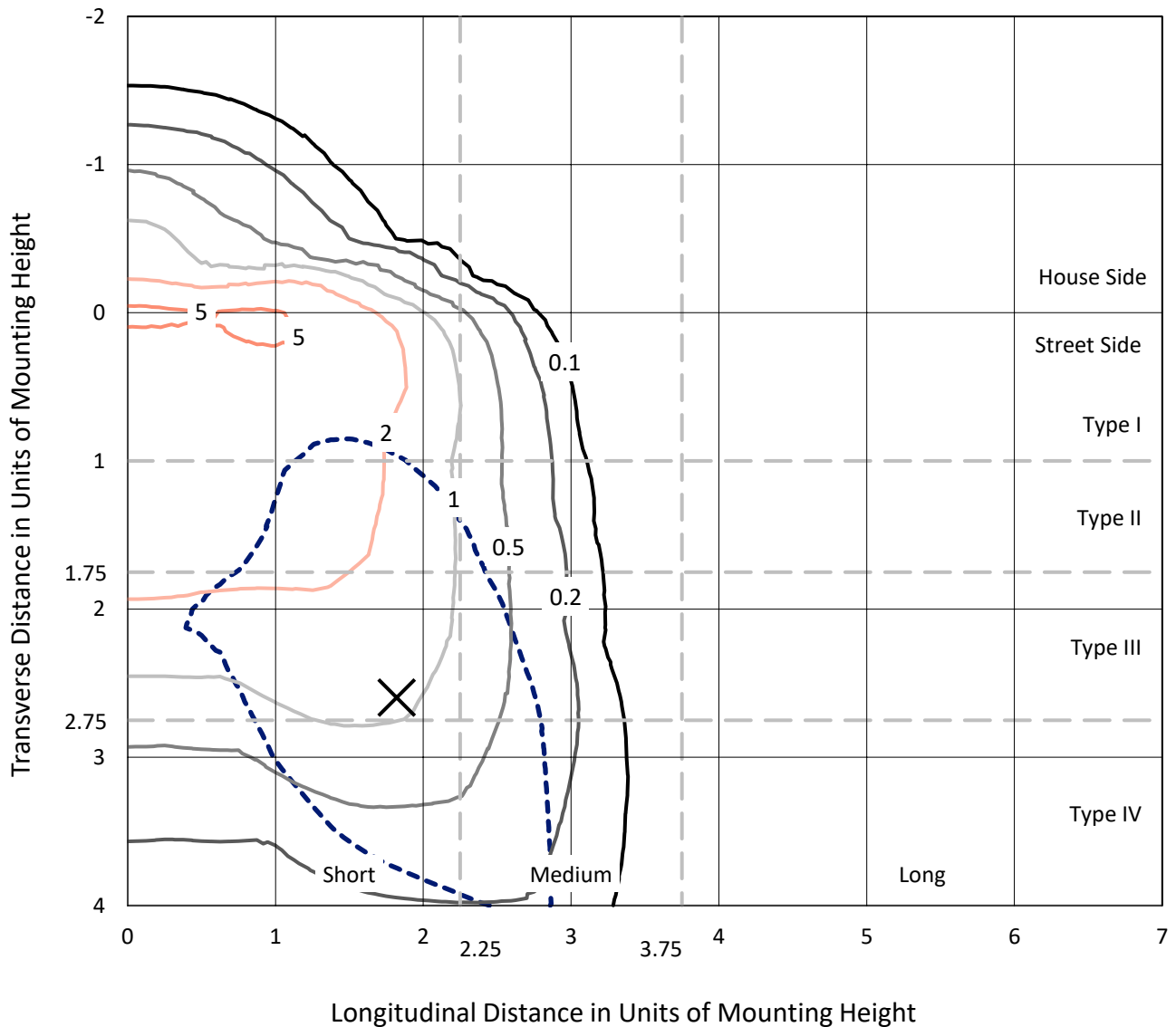
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

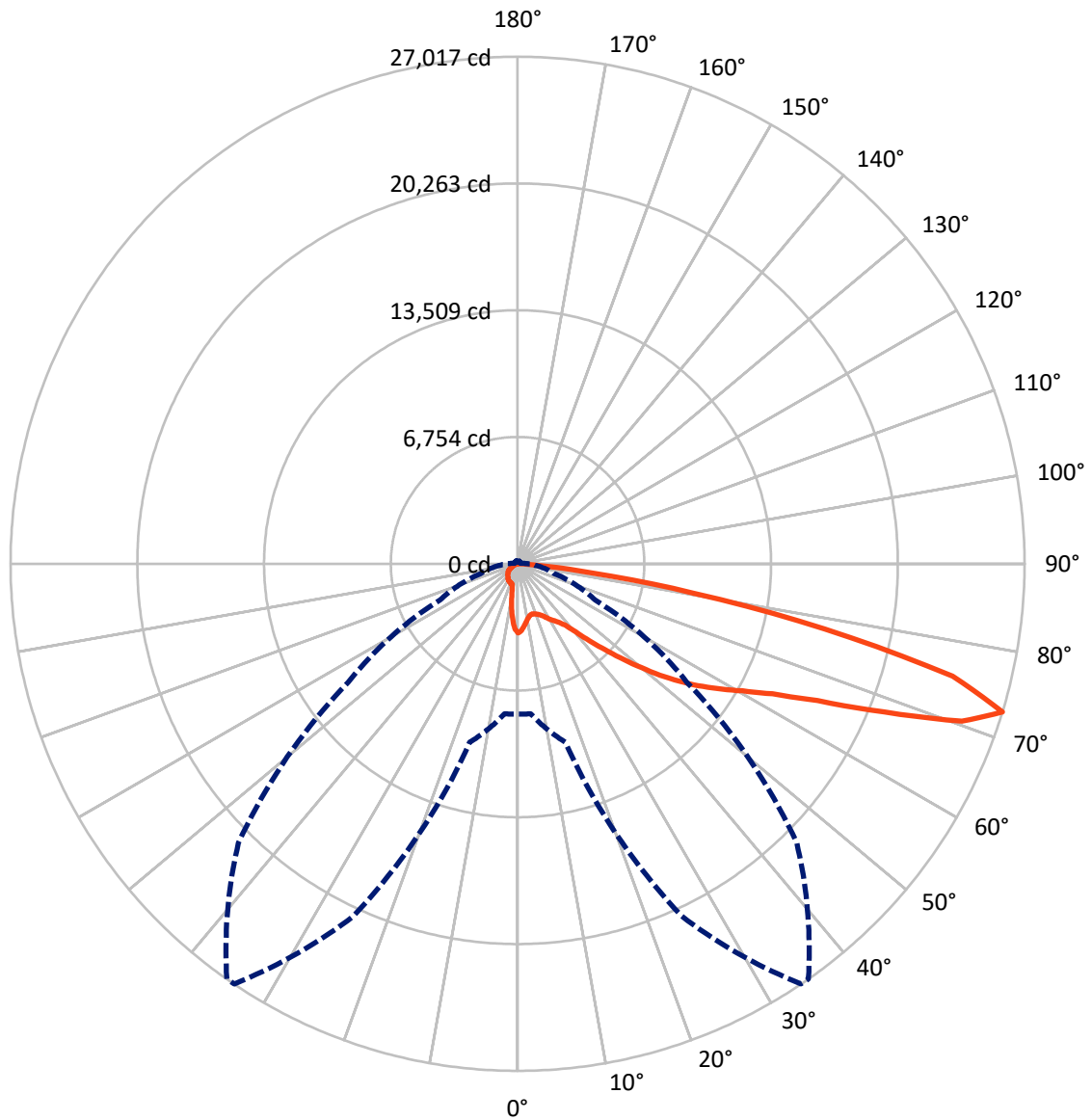
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2866.9	0.0	2866.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	22606.1	0.0	22606.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	25473.0	0.0	25473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.4	1.2
10°-20°	709.7	2.8
20°-30°	1152.9	4.5
30°-40°	1923.6	7.6
40°-50°	3639.5	14.3
50°-60°	5783.2	22.7
60°-70°	7154.2	28.1
70°-80°	4447.1	17.5
80°-90°	359.4	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°	25473.0	100.0
0°-180°	25473.0	100.0

Coefficient of Utilization



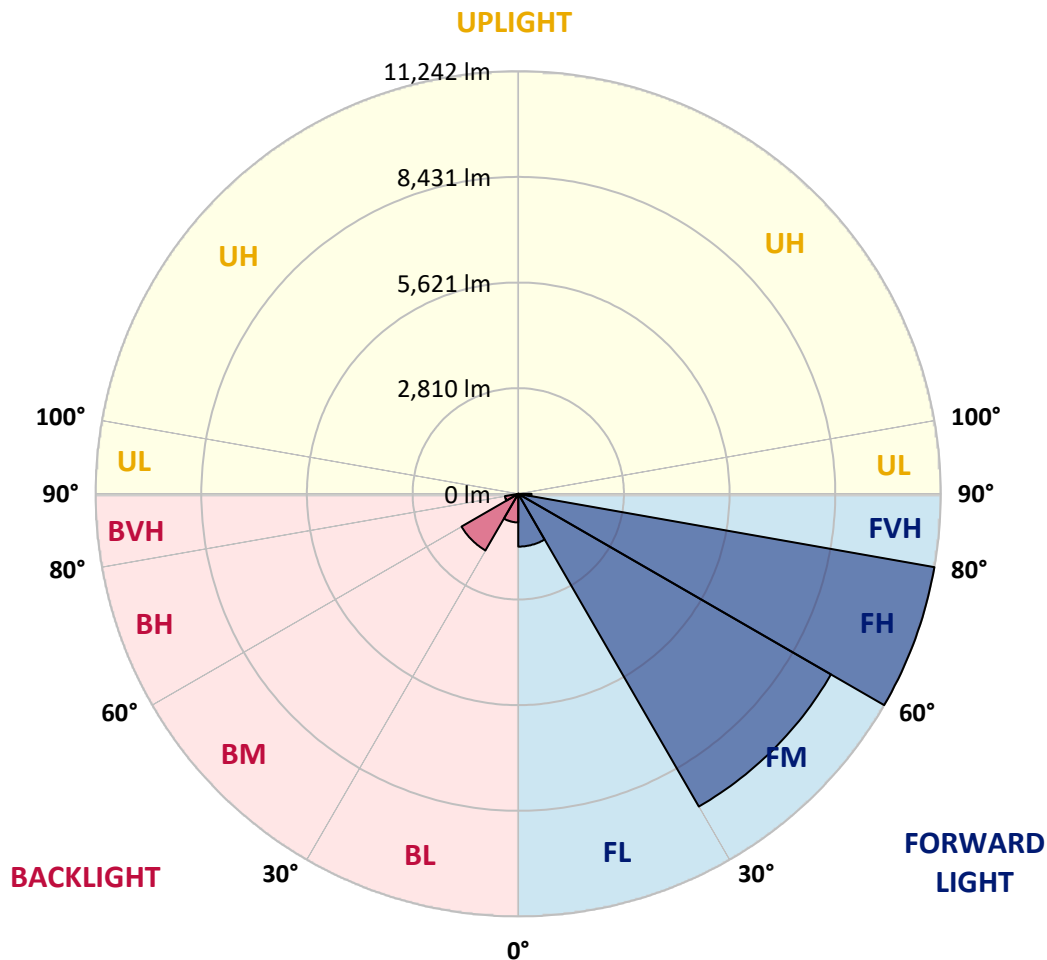
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1404.2	5.5			
FM (30°-60°)	9605.9	37.7			
FH (60°-80°)	11241.5	44.1			G4/12000
FVH (80°-90°)	354.5	1.4			G3/500
BL (0°-30°)	761.8	3.0	B2/1000		
BM (30°-60°)	1740.4	6.8	B2/2500		
BH (60°-80°)	359.7	1.4	B1/500		G1/500
BVH (80°-90°)	4.9	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°	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9
2.5°	3527.6	3557.5	3563.1	3572.4	3572.4	3583.6	3602.3	3628.4	3671.4	3693.8
5°	3251.4	3273.8	3301.8	3324.2	3367.1	3372.7	3445.5	3516.4	3615.4	3690.0
7.5°	2973.3	2999.4	3036.8	3090.9	3146.9	3163.7	3273.8	3393.3	3550.0	3690.0
10°	2777.3	2779.2	2812.8	2866.9	2956.5	2977.0	3111.4	3281.3	3477.2	3667.6
12.5°	2667.2	2680.3	2695.2	2736.3	2822.1	2835.2	2978.9	3178.6	3404.5	3654.6
15°	2667.2	2676.5	2685.9	2706.4	2775.5	2786.7	2913.6	3113.3	3367.1	3660.2
17.5°	2695.2	2710.1	2702.7	2726.9	2799.7	2807.2	2919.2	3094.6	3365.3	3695.6
20°	2762.4	2773.6	2758.7	2773.6	2846.4	2861.3	2977.0	3130.1	3397.0	3757.2
22.5°	2868.8	2874.4	2838.9	2850.1	2924.8	2943.4	3077.8	3230.9	3473.5	3856.1
25°	3003.2	3014.4	2960.2	2973.3	3044.2	3066.6	3221.5	3382.1	3594.8	3992.4
27.5°	3158.1	3163.7	3117.0	3115.2	3206.6	3238.3	3395.1	3568.7	3757.2	4164.1
30°	3335.4	3352.2	3307.4	3299.9	3415.7	3441.8	3596.7	3798.3	3996.1	4421.7
32.5°	3475.4	3488.4	3462.3	3481.0	3598.6	3619.1	3841.2	4123.0	4371.3	4787.5
35°	3677.0	3684.4	3624.7	3658.3	3792.7	3844.9	4175.3	4578.5	4843.5	5246.7
37.5°	4406.8	4406.8	4152.9	3986.8	4115.6	4162.2	4632.6	5151.5	5425.8	5862.6
40°	5416.5	5399.7	5028.3	4688.6	4671.8	4763.2	5284.0	5873.8	6178.0	6601.7
42.5°	6493.5	6467.3	5961.5	5625.6	5569.6	5601.3	6036.2	6764.1	7073.9	7503.2
45°	7449.1	7441.6	6978.8	6527.1	6426.3	6527.1	6975.0	7805.6	8027.7	8479.4
47.5°	8249.8	8249.8	7912.0	7617.1	7564.8	7624.6	8246.1	8961.0	8940.4	9519.0
50°	9171.9	9164.4	8843.4	8716.4	8770.6	8854.6	9709.4	10177.9	9884.9	10540.0
52.5°	9817.7	9862.5	9752.3	9731.8	10008.1	10153.6	11195.1	11368.7	10730.4	11508.7
55°	10329.1	10381.3	10508.3	10652.0	11183.9	11374.3	12634.2	12497.9	11437.8	12348.6
57.5°	11053.3	10978.6	11174.6	11458.3	12318.7	12548.3	14028.4	13563.7	12007.0	13029.9
60°	11932.4	11943.6	11977.2	12335.5	13451.7	13746.6	15402.2	14571.6	12372.9	13448.0
62.5°	12988.8	13005.6	13074.7	13625.3	14972.9	15251.0	16865.5	15396.6	12540.9	13330.4
65°	12916.0	12986.9	13757.8	15641.1	17285.4	17559.8	18573.3	15975.2	12287.0	12255.3
67.5°	11766.3	11882.0	13171.7	18048.8	20772.0	21078.1	20637.6	16089.0	11191.4	9530.2
70°	10258.2	10299.2	11850.3	20213.9	24809.2	25119.0	22485.4	14836.6	8492.5	5315.7
72.5°	8010.9	8020.3	9840.1	20716.0	27000.5	27017.3	21035.2	11014.1	4567.3	2041.9
75°	5722.6	5666.6	6590.5	16800.2	23754.7	23945.0	15769.9	5166.4	1745.2	965.0
77.5°	3068.5	3130.1	3729.2	9963.3	16410.1	16734.8	8604.5	1489.4	888.4	657.0
80°	948.2	1000.4	1528.6	4561.7	9295.1	9491.0	3189.8	662.6	619.7	468.5
82.5°	298.6	309.8	713.0	1916.9	3858.0	3947.6	923.9	375.2	423.7	309.8
85°	85.9	87.7	317.3	714.9	953.8	972.4	259.4	145.6	242.6	192.2
87.5°	9.3	29.9	119.5	119.5	84.0	82.1	28.0	31.7	69.1	24.3
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°
3691.9	0°	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9	3691.9
3708.7	2.5°	3699.4	3701.2	3677.0	3635.9	3591.1	3553.8	3507.1	3469.8	3443.7	3436.2
3742.3	5°	3725.5	3712.4	3643.4	3518.3	3369.0	3240.2	3096.5	2982.6	2908.0	2876.2
3777.7	7.5°	3764.7	3727.4	3576.2	3329.8	3044.2	2790.4	2532.8	2333.1	2206.2	2142.7
3811.3	10°	3798.3	3723.6	3464.2	3057.3	2620.5	2236.0	1888.9	1648.1	1513.7	1450.3
3850.5	12.5°	3830.0	3721.8	3318.6	2734.4	2142.7	1672.4	1349.5	1230.0	1192.7	1179.6
3914.0	15°	3889.7	3727.4	3135.7	2364.8	1666.8	1263.6	1146.0	1144.2	1151.6	1147.9
4011.1	17.5°	3971.9	3733.0	2928.5	1972.9	1286.0	1114.3	1108.7	1125.5	1136.7	1131.1
4132.4	20°	4078.3	3755.4	2708.3	1584.6	1105.0	1077.0	1090.0	1105.0	1114.3	1105.0
4294.8	22.5°	4227.6	3794.5	2467.5	1272.9	1047.1	1054.6	1065.8	1082.6	1091.9	1078.8
4501.9	25°	4410.5	3856.1	2230.4	1106.8	1019.1	1028.4	1045.2	1063.9	1075.1	1062.0
4763.2	27.5°	4647.5	3955.1	2012.1	1069.5	991.1	996.7	1021.0	1049.0	1063.9	1047.1
5134.7	30°	4991.0	4117.4	1823.5	1086.3	974.3	961.2	994.8	1034.0	1050.8	1035.9
5640.5	32.5°	5446.4	4347.0	1707.8	1112.4	966.8	920.2	951.9	1002.3	1030.3	1021.0
6301.2	35°	6043.7	4696.1	1663.0	1142.3	961.2	877.2	899.6	953.8	1002.3	1011.6
7133.7	37.5°	6767.8	5181.3	1676.1	1155.3	944.4	841.8	853.0	899.6	963.1	993.0
8070.6	40°	7591.0	5746.9	1750.8	1142.3	925.8	811.9	813.8	849.2	905.2	950.0
9078.5	42.5°	8440.2	6407.6	1888.9	1093.8	909.0	785.8	780.2	804.5	841.8	873.5
10084.6	45°	9248.4	7087.0	2025.1	1026.6	888.4	759.7	746.6	755.9	763.4	776.5
11064.5	47.5°	9953.9	7564.8	1985.9	965.0	860.4	729.8	707.4	703.7	681.3	679.4
11939.9	50°	10441.1	7669.4	1763.8	903.4	819.4	696.2	660.7	638.3	599.1	580.5
12595.0	52.5°	10596.0	7256.9	1440.9	841.8	752.2	651.4	601.0	565.5	517.0	500.2
12972.0	55°	10390.7	6448.7	1151.6	767.1	658.9	591.7	535.7	489.0	449.8	429.3
13013.1	57.5°	9888.6	5420.2	910.8	679.4	559.9	524.5	468.5	421.8	388.2	367.7
12557.7	60°	9056.1	4304.1	720.5	574.9	477.8	451.7	393.8	364.0	334.1	309.8
11381.8	62.5°	7792.5	3072.2	565.5	455.4	399.4	369.6	336.0	313.6	278.1	244.5
9267.1	65°	6081.0	1879.5	436.8	334.1	321.0	306.1	285.6	265.0	222.1	188.5
6045.5	67.5°	3835.6	890.3	311.7	252.0	253.8	246.4	237.0	220.2	188.5	158.7
2708.3	70°	1689.2	431.2	205.3	192.2	188.5	188.5	196.0	190.4	160.5	132.5
940.7	72.5°	574.9	231.4	153.1	145.6	136.3	134.4	164.2	158.7	128.8	102.7
468.5	75°	300.5	154.9	112.0	104.5	82.1	98.9	130.7	123.2	91.5	67.2
309.8	77.5°	196.0	110.1	76.5	67.2	46.7	65.3	97.1	85.9	54.1	33.6
203.4	80°	123.2	72.8	44.8	31.7	22.4	35.5	52.3	37.3	20.5	7.5
119.5	82.5°	65.3	37.3	16.8	11.2	9.3	11.2	13.1	9.3	3.7	0.0
61.6	85°	26.1	13.1	5.6	3.7	1.9	0.0	3.7	1.9	0.0	0.0
11.2	87.5°	9.3	1.9	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

180°
3691.9
3449.2
2887.4
2152.0
1452.1
1175.9
1146.0
1129.2
1103.1
1077.0
1060.2
1047.1
1034.0
1021.0
1011.6
1000.4
965.0
886.6
783.9
677.5
582.3
498.3
429.3
364.0
304.2
238.9
182.9
154.9
126.9
97.1
61.6
29.9
5.6
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