

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: P848875

Luminaire Tested: **GLAN-SB5C-927-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848875
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-927-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17790 lumens
Efficiency: N/A
Efficacy: 71.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

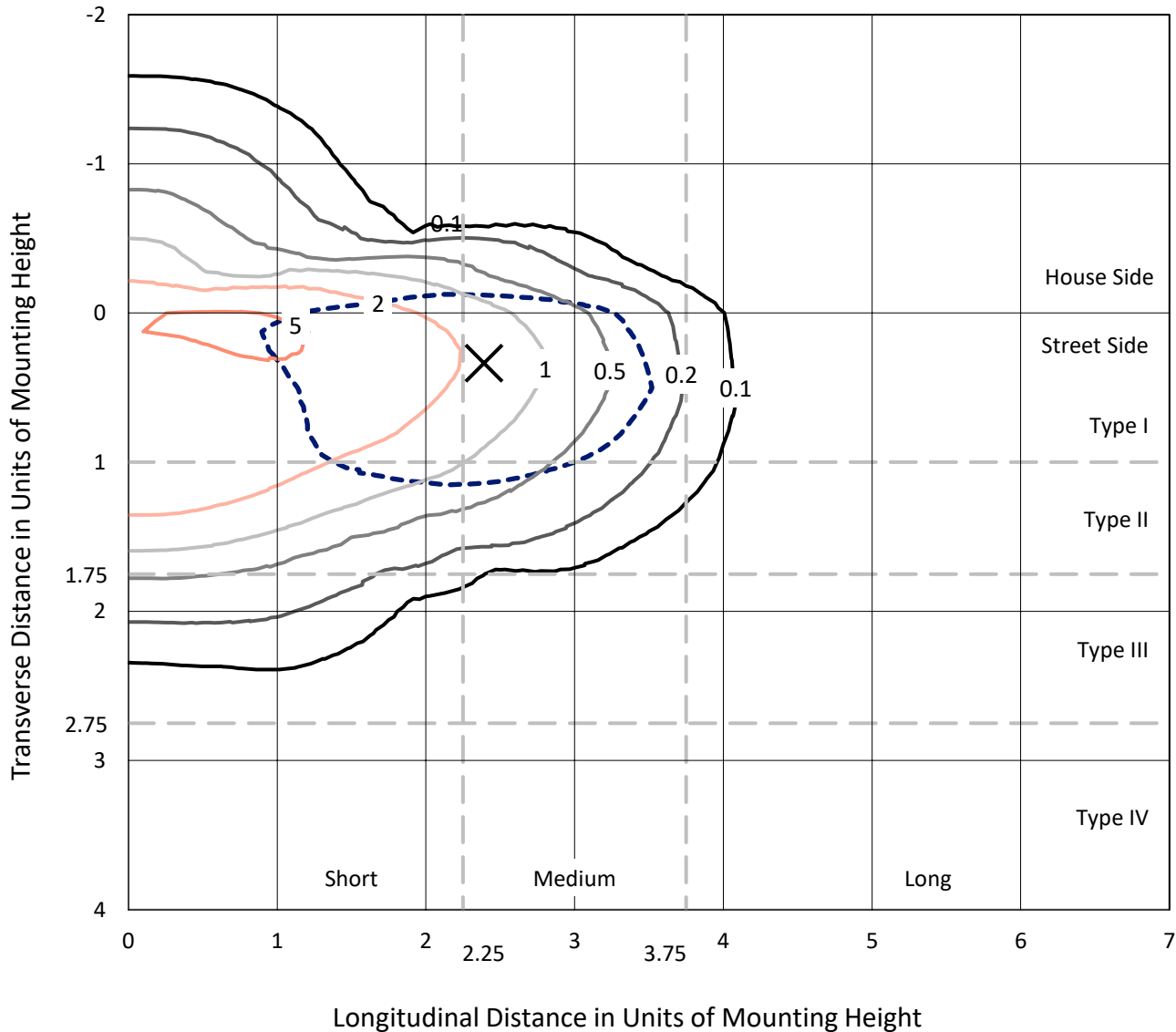
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

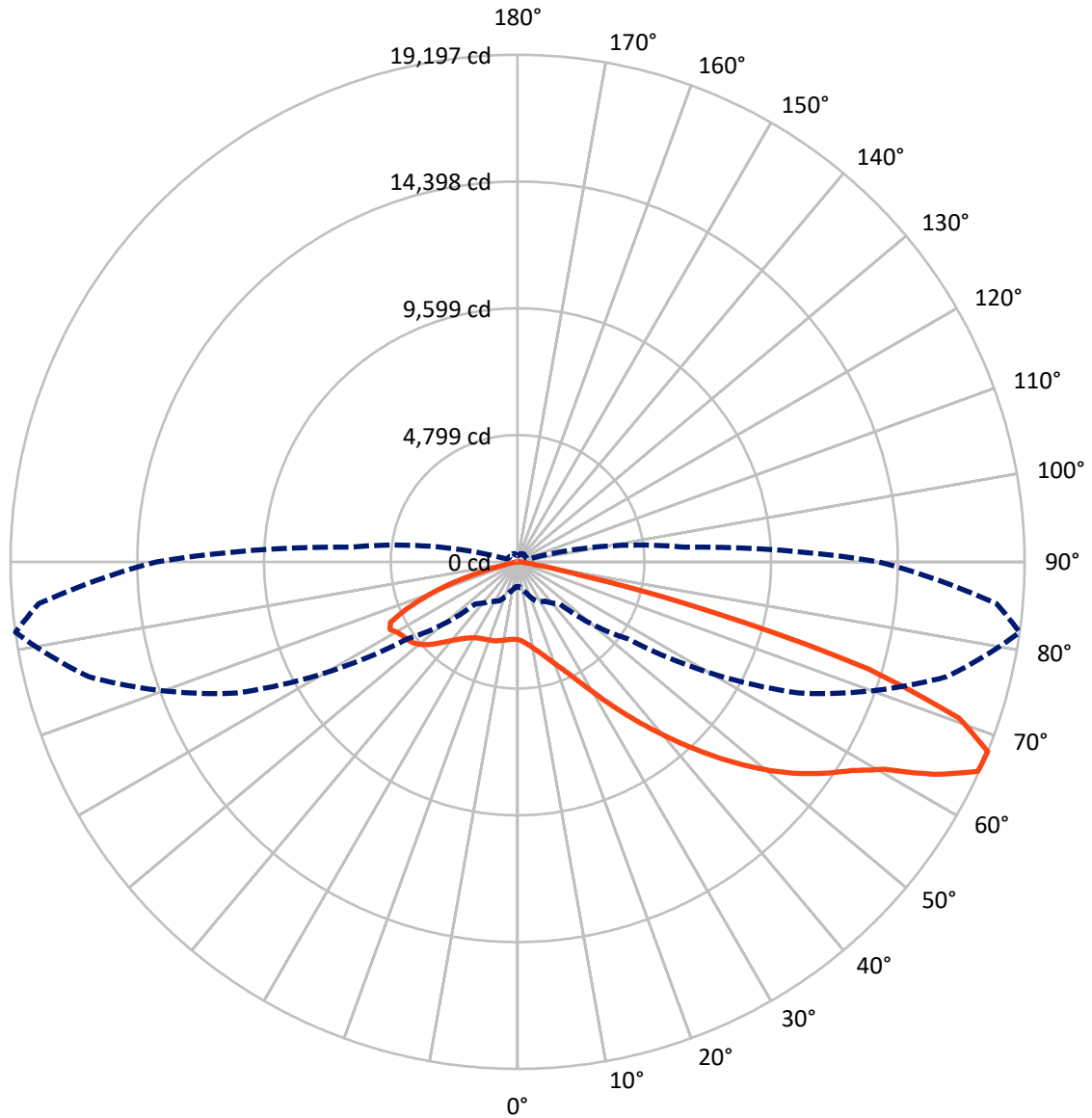
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3222.5	0.0	3222.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	14567.5	0.0	14567.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	17790.0	0.0	17790.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.6	1.5
10°-20°	682.3	3.8
20°-30°	1092.9	6.1
30°-40°	1932.5	10.9
40°-50°	3386.0	19.0
50°-60°	4515.9	25.4
60°-70°	4204.1	23.6
70°-80°	1613.5	9.1
80°-90°	100.2	0.6
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°	17790.0	100.0
0°-180°	17790.0	100.0

Coefficient of Utilization

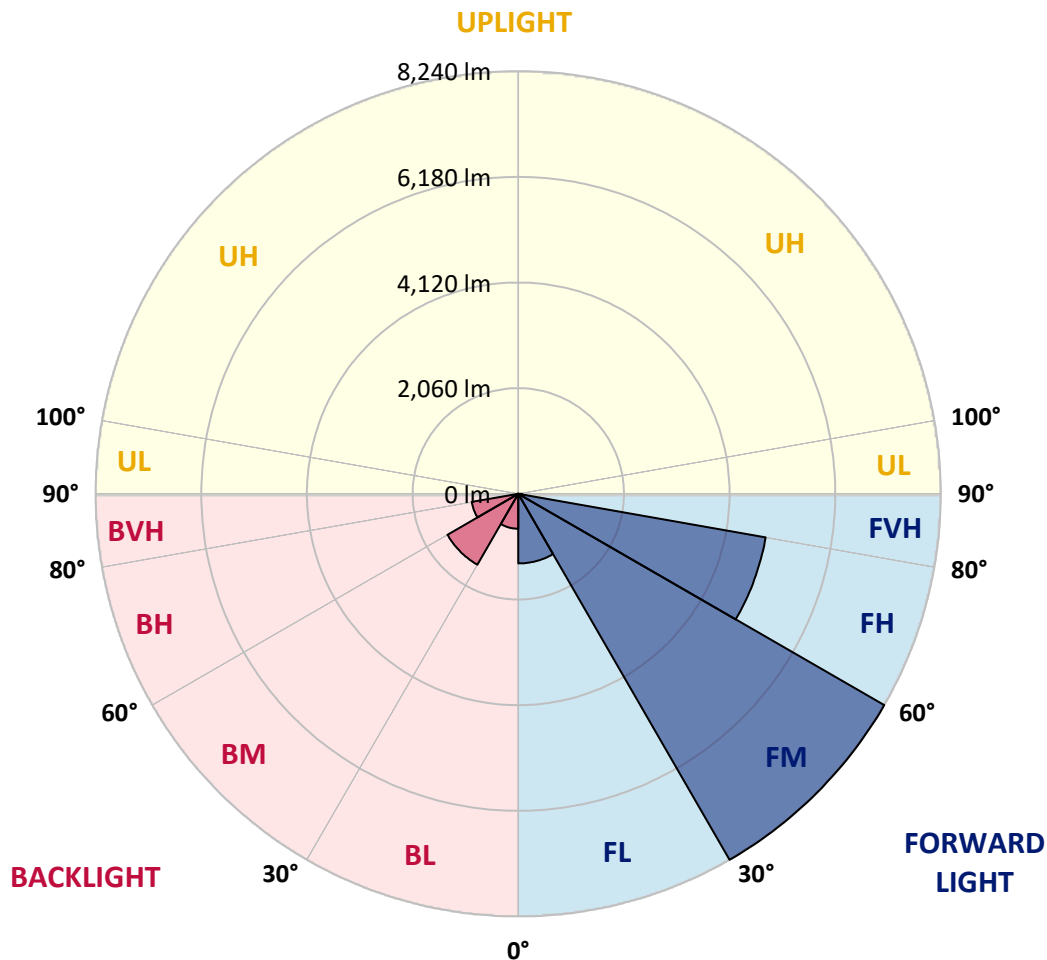


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1357.2	7.6			
FM (30°-60°)	8239.6	46.3			
FH (60°-80°)	4897.9	27.5			G2/5000
FVH (80°-90°)	72.9	0.4			G1/100
BL (0°-30°)	680.6	3.8	B2/1000		
BM (30°-60°)	1594.8	9.0	B2/2500		
BH (60°-80°)	919.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2
2.5°	3115.0	3132.9	3122.7	3117.6	3108.6	3095.8	3085.5	3053.5	3020.2	2998.4
5°	3177.8	3195.7	3194.4	3199.5	3205.9	3209.8	3207.2	3171.3	3124.0	3086.8
7.5°	3124.0	3144.4	3161.1	3186.7	3231.5	3278.9	3302.0	3294.3	3245.6	3194.4
10°	2971.5	2993.3	3033.0	3093.2	3188.0	3290.5	3376.3	3416.0	3385.2	3328.9
12.5°	2692.3	2714.1	2792.2	2922.9	3081.7	3259.7	3423.7	3530.0	3537.7	3481.3
15°	2378.5	2400.3	2483.5	2647.5	2889.6	3175.2	3449.3	3650.4	3718.3	3669.6
17.5°	2183.8	2203.0	2265.8	2397.7	2650.0	3006.1	3440.3	3778.5	3933.4	3895.0
20°	2124.9	2141.6	2171.0	2263.2	2473.3	2830.6	3381.4	3898.9	4165.3	4143.5
22.5°	2187.7	2203.0	2212.0	2253.0	2384.9	2715.4	3307.1	4021.8	4434.3	4436.8
25°	2332.4	2347.8	2337.5	2363.1	2420.8	2679.5	3278.9	4166.6	4772.4	4800.6
27.5°	2570.6	2571.9	2547.6	2546.3	2555.3	2733.3	3308.4	4321.5	5198.9	5251.4
30°	3048.4	3029.2	2935.7	2834.5	2788.4	2894.7	3390.4	4504.7	5702.3	5795.8
32.5°	3784.9	3756.7	3585.1	3343.0	3099.6	3154.7	3537.7	4713.5	6250.5	6419.5
35°	4584.1	4576.4	4397.1	4037.2	3612.0	3524.9	3777.2	4987.6	6848.6	7117.6
37.5°	5327.0	5323.1	5220.7	4796.7	4279.3	4041.0	4161.4	5346.2	7489.0	7878.4
40°	6005.8	6017.4	5914.9	5535.8	5014.5	4703.2	4684.0	5789.4	8201.2	8707.1
42.5°	6592.5	6605.3	6501.5	6221.0	5740.7	5435.9	5325.7	6332.4	8896.7	9597.3
45°	6990.8	7070.2	7054.8	6830.7	6486.1	6169.8	6096.8	7013.9	9689.5	10541.3
47.5°	7103.5	7176.5	7291.8	7322.5	7112.5	6801.2	6888.3	7834.9	10491.3	11486.5
50°	6825.6	6893.5	7133.0	7451.9	7597.9	7501.8	7658.1	8714.8	11312.3	12429.2
52.5°	6277.4	6346.5	6648.8	7153.5	7749.1	8051.3	8430.5	9581.9	12107.7	13322.0
55°	5484.5	5557.5	5945.6	6516.9	7460.9	8278.0	9074.7	10447.8	12836.5	14125.0
57.5°	4406.1	4459.9	4863.3	5662.6	6735.9	8052.6	9549.9	11393.0	13523.1	14914.0
60°	2871.6	2919.0	3387.8	4279.3	5534.5	7299.5	9644.7	12447.2	14435.0	15940.0
62.5°	1909.7	1941.7	2219.7	2874.2	3897.6	5853.4	9090.1	13288.7	15772.2	17725.5
65°	1310.3	1342.3	1620.3	2076.2	2518.1	3872.0	7495.4	13177.2	16983.9	19143.4
67.5°	935.0	961.9	1197.6	1627.9	1822.6	2249.1	5081.1	11752.9	16809.7	19197.2
70°	669.9	685.2	879.9	1268.0	1448.6	1351.3	2825.5	8988.9	14718.1	17726.8
72.5°	468.8	473.9	611.0	965.7	1166.8	986.2	1344.9	5993.0	11131.7	13913.7
75°	317.6	324.1	411.1	708.3	936.3	753.1	712.1	3213.6	6534.8	7701.7
77.5°	194.7	197.2	265.1	484.2	700.6	573.8	458.5	1361.5	2528.4	2482.3
80°	110.2	110.2	169.1	301.0	477.8	370.2	321.5	578.9	800.5	703.2
82.5°	61.5	62.8	123.0	187.0	316.4	219.0	176.8	267.7	345.8	306.1
85°	25.6	28.2	75.6	88.4	151.1	108.9	71.7	112.7	128.1	114.0
87.5°	2.6	3.8	23.1	16.7	17.9	21.8	10.2	21.8	17.9	17.9
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°
2947.2	0°	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2	2947.2
2990.7	2.5°	2966.4	2947.2	2898.5	2842.2	2767.9	2732.0	2683.3	2650.0	2621.9	2624.4
3065.0	5°	3024.1	2975.4	2866.5	2730.7	2561.7	2441.3	2313.2	2224.8	2153.1	2137.7
3167.5	7.5°	3103.5	3026.6	2835.8	2591.1	2305.5	2089.0	1895.6	1771.4	1683.0	1654.8
3291.7	10°	3205.9	3094.5	2796.1	2415.7	2004.5	1729.1	1521.6	1424.3	1364.1	1343.6
3437.8	12.5°	3325.0	3172.6	2743.5	2201.8	1694.5	1429.4	1297.5	1248.8	1229.6	1223.2
3617.1	15°	3474.9	3270.0	2664.1	1948.1	1432.0	1246.3	1189.9	1183.5	1186.1	1183.5
3832.3	17.5°	3652.9	3376.3	2534.8	1686.9	1255.2	1152.8	1132.3	1137.4	1143.8	1142.5
4073.1	20°	3847.6	3481.3	2369.5	1455.0	1134.8	1086.1	1074.6	1079.7	1084.9	1082.3
4351.0	22.5°	4069.2	3594.0	2186.4	1274.4	1054.1	1024.7	1011.9	1013.1	1013.1	1008.0
4703.2	25°	4334.3	3718.3	1994.3	1146.3	992.6	969.6	954.2	949.1	941.4	926.0
5131.0	27.5°	4650.7	3850.2	1809.8	1056.7	944.0	922.2	904.3	891.5	872.2	846.6
5644.6	30°	5006.8	4010.3	1653.6	1000.3	905.6	883.8	863.3	844.1	815.9	783.9
6235.1	32.5°	5425.6	4181.9	1539.6	963.2	871.0	847.9	823.6	800.5	769.8	737.8
6898.6	35°	5925.1	4389.4	1473.0	937.6	844.1	813.3	786.4	760.8	737.8	709.6
7619.7	37.5°	6466.9	4609.7	1452.5	924.8	826.1	778.7	748.0	730.1	727.5	710.9
8399.7	40°	7060.0	4871.0	1467.8	917.1	806.9	745.4	712.1	708.3	714.7	685.2
9233.5	42.5°	7687.6	5181.0	1493.5	908.1	780.0	712.1	680.1	680.1	675.0	634.0
10114.8	45°	8366.4	5538.3	1519.1	886.3	748.0	678.8	654.5	645.5	623.8	584.1
11001.1	47.5°	9050.4	5902.1	1538.3	846.6	709.6	650.7	628.9	608.4	576.4	540.5
11870.8	50°	9699.8	6228.7	1517.8	787.7	666.0	623.8	600.7	572.5	538.0	513.6
12694.4	52.5°	10280.0	6511.8	1430.7	718.5	619.9	595.6	575.1	545.6	517.5	491.8
13437.2	55°	10784.6	6741.0	1277.0	653.2	578.9	571.3	550.8	513.6	475.2	453.4
14173.7	57.5°	11268.8	6915.2	1084.9	599.4	541.8	544.4	513.6	480.3	444.4	421.4
15166.4	60°	11913.0	7148.3	890.2	549.5	502.1	509.8	476.5	452.1	407.3	377.8
16868.6	62.5°	12942.8	7510.8	707.0	488.0	456.0	458.5	444.4	415.0	361.2	326.6
18130.2	65°	13760.0	7377.6	557.2	421.4	403.5	407.3	407.3	375.3	317.6	277.9
18198.1	67.5°	13667.8	6317.1	444.4	356.1	353.5	356.1	365.0	338.1	281.8	249.8
16812.2	70°	12590.6	5024.7	356.1	295.9	307.4	301.0	326.6	308.7	253.6	221.6
13033.8	72.5°	10273.6	3619.6	271.5	244.6	235.7	245.9	294.6	277.9	211.3	175.5
6903.7	75°	6003.3	1931.5	202.4	193.4	170.4	204.9	261.3	237.0	161.4	129.4
2115.9	77.5°	1954.6	673.7	148.6	142.2	126.8	165.2	222.9	199.8	131.9	102.5
619.9	80°	523.9	203.7	101.2	93.5	82.0	123.0	176.8	158.8	94.8	66.6
266.4	82.5°	210.1	85.8	58.9	52.5	44.8	84.5	139.6	128.1	70.4	42.3
83.3	85°	67.9	28.2	21.8	16.7	20.5	52.5	83.3	87.1	50.0	21.8
12.8	87.5°	9.0	3.8	3.8	5.1	3.8	9.0	25.6	24.3	14.1	2.6
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>
2947.2
2598.8
2103.1
1626.7
1328.2
1219.4
1182.2
1139.9
1081.0
1005.5
923.5
844.1
781.3
739.0
707.0
709.6
686.5
634.0
582.8
539.2
509.8
489.3
450.9
418.8
374.0
324.1
274.1
244.6
217.7
171.6
125.5
98.6
65.3
42.3
16.7
0.0
0.0

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