

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: P851583

Luminaire Tested: **GLAN-SB9C-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58059 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

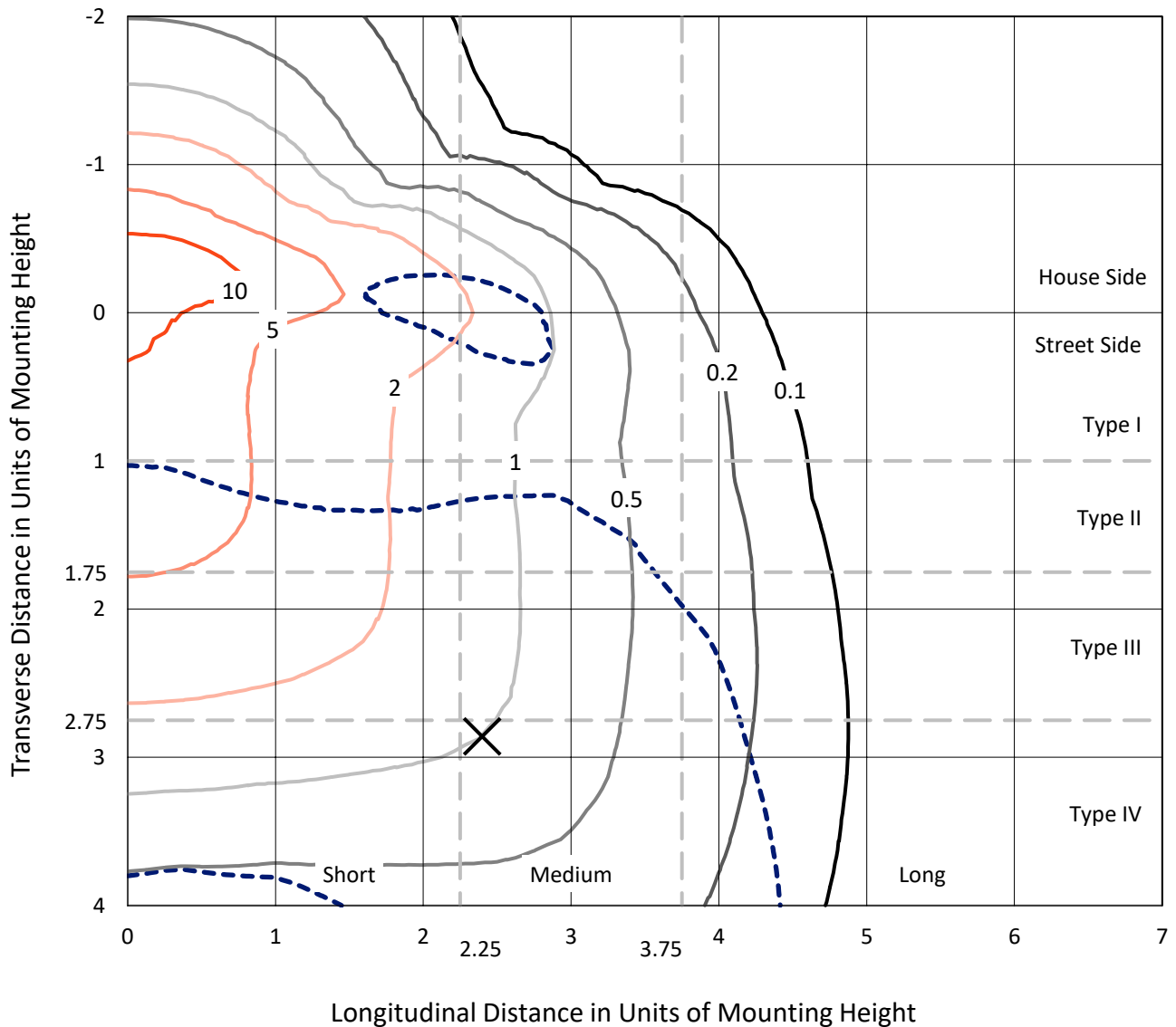
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

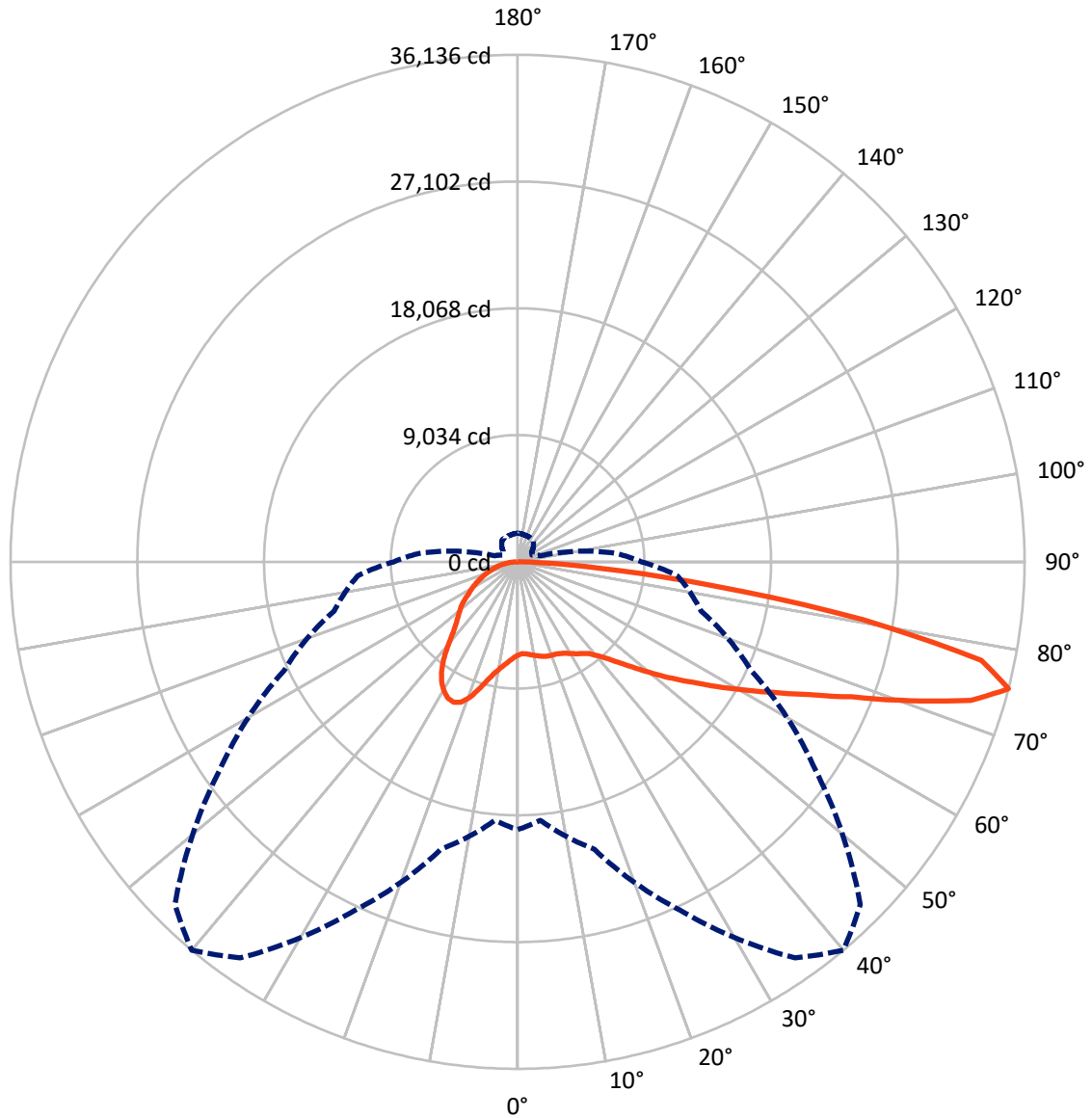
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17988.6	0.0	17988.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	40070.4	0.0	40070.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	58059.0	0.0	58059.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	662.7	1.1
10°-20°	2225.0	3.8
20°-30°	4062.7	7.0
30°-40°	5762.0	9.9
40°-50°	7780.5	13.4
50°-60°	10466.8	18.0
60°-70°	13284.8	22.9
70°-80°	12056.8	20.8
80°-90°	1757.5	3.0
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°	58059.0	100.0
0°-180°	58059.0	100.0

Coefficient of Utilization

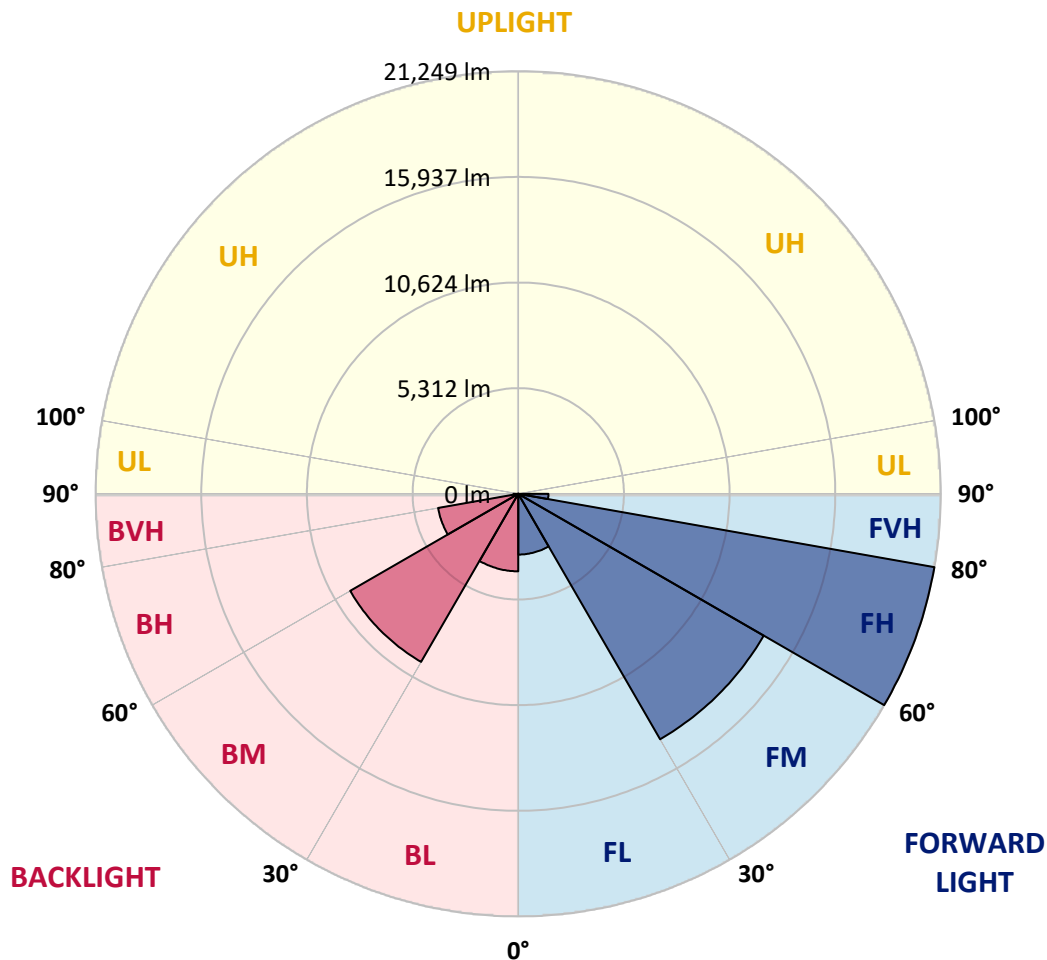


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3054.0	5.3			
FM (30°-60°)	14252.2	24.5			
FH (60°-80°)	21248.7	36.6			G5
FVH (80°-90°)	1515.5	2.6			G5
BL (0°-30°)	3896.5	6.7	B4/5000		
BM (30°-60°)	9757.2	16.8	B5		
BH (60°-80°)	4092.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	242.0	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1
2.5°	6537.5	6574.5	6565.2	6552.9	6552.9	6556.0	6552.9	6574.5	6596.0	6617.6
5°	6605.3	6642.2	6623.7	6608.3	6596.0	6592.9	6583.7	6580.6	6592.9	6620.6
7.5°	6737.7	6774.6	6746.9	6719.2	6694.6	6682.2	6669.9	6651.4	6642.2	6657.6
10°	6885.5	6922.4	6888.6	6839.3	6799.3	6783.9	6771.5	6753.1	6740.7	6750.0
12.5°	7033.3	7070.2	7024.0	6956.3	6903.9	6894.7	6879.3	6873.2	6870.1	6867.0
15°	7171.9	7202.6	7144.1	7064.1	7008.6	6993.3	6977.9	6987.1	7002.5	7021.0
17.5°	7279.6	7310.4	7224.2	7119.5	7067.2	7061.0	7051.8	7082.6	7125.7	7171.9
20°	7378.2	7409.0	7298.1	7156.5	7094.9	7094.9	7098.0	7162.6	7224.2	7292.0
22.5°	7516.7	7541.4	7405.9	7211.9	7122.6	7128.7	7153.4	7218.0	7295.0	7387.4
25°	7723.1	7741.5	7575.3	7316.6	7215.0	7233.4	7255.0	7285.8	7359.7	7467.5
27.5°	8055.6	8071.0	7852.4	7501.3	7347.4	7378.2	7409.0	7387.4	7421.3	7513.7
30°	8523.7	8532.9	8255.8	7790.8	7572.2	7587.6	7593.7	7504.4	7439.8	7513.7
32.5°	9078.0	9074.9	8745.4	8141.9	7827.8	7812.4	7760.0	7584.5	7433.6	7498.3
35°	9937.1	9903.3	9478.3	8634.6	8117.2	8021.8	7898.6	7673.8	7464.4	7482.9
37.5°	11359.8	11255.1	10666.9	9441.4	8548.3	8305.1	8123.4	7818.5	7532.1	7476.7
40°	12964.2	12831.7	12185.1	10546.8	9195.0	8803.9	8511.4	8024.8	7643.0	7504.4
42.5°	14867.2	14679.4	13983.4	11849.4	10014.1	9447.5	9007.2	8286.6	7806.2	7593.7
45°	17204.4	16955.0	15969.6	13318.3	11045.7	10291.3	9703.1	8683.8	8055.6	7766.2
47.5°	19566.3	19627.9	18226.8	14999.6	12283.6	11332.1	10574.6	9281.2	8419.0	8043.3
50°	22076.0	22119.1	20471.7	16862.6	13687.8	12508.4	11553.8	9949.4	8924.0	8437.5
52.5°	24034.5	24040.6	22510.2	18811.9	15150.5	13801.7	12610.0	10713.1	9509.1	8961.0
55°	25260.1	25244.7	23939.0	20656.4	16831.8	15159.7	13780.2	11581.5	10223.5	9576.8
57.5°	26150.0	26103.8	24924.4	22242.3	18624.0	16764.1	15104.3	12566.9	11067.3	10309.7
60°	26488.7	26461.0	25592.7	23612.6	20508.6	18537.8	16631.7	13669.3	12024.9	11175.0
62.5°	26618.1	26670.4	26248.6	24939.8	22525.6	20502.5	18309.9	14987.3	13102.7	12154.3
65°	27073.8	27169.3	27083.1	26676.6	24804.3	22802.7	20536.3	16554.7	14279.0	13204.3
67.5°	27976.1	28071.5	28108.5	28755.2	27588.1	25669.6	23313.9	18507.0	15655.5	14294.4
70°	27954.5	27926.8	28579.6	30408.8	31073.9	29638.9	27058.4	20908.9	17296.8	15199.8
72.5°	25444.8	25223.1	26765.9	30390.3	33974.7	33783.8	31631.3	24006.8	18713.3	15310.6
75°	19089.0	18497.8	21223.0	27387.9	34458.2	36136.4	34538.2	25928.3	18377.7	13527.7
77.5°	8163.4	7569.1	10780.9	20274.6	30839.9	33780.7	31871.5	22621.1	14670.1	8945.6
80°	2137.1	2134.0	3258.0	9191.9	20973.6	24946.0	21885.1	14608.5	8382.0	3196.4
82.5°	883.8	862.2	1197.9	3575.1	10248.1	13998.8	11424.5	6515.9	3027.0	865.3
85°	329.5	326.4	582.0	1234.8	3615.2	5773.8	4178.7	1665.9	754.4	421.9
87.5°	92.4	89.3	126.3	428.0	880.7	1336.4	714.4	274.1	212.5	166.3
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°
6639.1	0°	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1	6639.1
6651.4	2.5°	6660.7	6676.1	6703.8	6725.3	6753.1	6783.9	6827.0	6854.7	6882.4	6900.9
6666.8	5°	6688.4	6722.3	6793.1	6863.9	6947.1	7024.0	7113.3	7178.0	7230.4	7245.8
6722.3	7.5°	6750.0	6805.4	6925.5	7045.6	7178.0	7304.3	7433.6	7544.5	7633.8	7667.6
6820.8	10°	6857.8	6931.7	7101.0	7270.4	7445.9	7639.9	7806.2	7966.3	8092.6	8144.9
6937.8	12.5°	6993.3	7085.6	7307.3	7541.4	7784.7	8052.6	8268.1	8465.2	8622.2	8693.1
7101.0	15°	7168.8	7288.9	7572.2	7886.3	8243.5	8616.1	8890.1	9108.8	9284.3	9370.5
7270.4	17.5°	7359.7	7519.8	7877.0	8351.3	8862.4	9352.0	9672.3	9832.4	10014.1	10097.3
7427.4	20°	7544.5	7741.5	8252.7	8942.5	9623.0	10143.4	10402.1	10445.2	10457.5	10466.8
7575.3	22.5°	7735.4	8000.2	8723.9	9687.7	10417.5	10777.8	10814.8	10630.0	10371.3	10251.2
7720.0	25°	7944.8	8295.8	9339.7	10509.9	11101.1	11144.2	10860.9	10411.4	9921.7	9696.9
7837.0	27.5°	8148.0	8637.6	10078.8	11295.1	11593.8	11215.1	10605.4	9967.9	9376.7	9139.6
7920.1	30°	8351.3	9028.7	10894.8	11981.8	11818.6	11039.5	10202.0	9490.6	8896.3	8646.9
7994.0	32.5°	8557.6	9484.5	11834.0	12477.6	11778.6	10666.9	9700.0	8954.8	8431.3	8169.6
8058.7	35°	8791.6	10044.9	12724.0	12748.6	11510.7	10118.8	9038.0	8314.3	7858.6	7649.2
8135.7	37.5°	9096.5	10756.2	13509.2	12816.3	11042.6	9315.1	8215.8	7556.8	7181.1	7085.6
8249.6	40°	9475.2	11612.3	14109.7	12708.6	10349.8	8338.9	7316.6	6790.0	6577.5	6599.1
8403.6	42.5°	9967.9	12570.0	14531.6	12431.4	9385.9	7332.0	6528.3	6294.2	6395.9	6482.1
8634.6	45°	10608.4	13564.6	14793.3	11960.3	8295.8	6479.0	6063.3	6118.7	6195.7	6204.9
9007.2	47.5°	11427.5	14571.6	14965.7	11248.9	7184.2	5878.5	5767.7	5780.0	5764.6	5699.9
9564.5	50°	12449.9	15550.8	15119.7	10306.7	6238.8	5502.8	5355.0	5311.9	5099.4	4890.0
10306.7	52.5°	13613.9	16450.0	15184.4	9136.5	5502.8	5188.7	4948.5	4677.6	4280.3	4215.7
11239.7	55°	14907.2	17281.4	15018.1	7698.4	4883.9	4785.3	4422.0	4095.6	4052.5	3997.0
12468.4	57.5°	16453.1	18177.5	14679.4	6094.1	4249.5	4314.2	3960.1	3997.0	3920.0	3833.8
14048.1	60°	18143.7	19104.4	14085.0	4631.4	3593.6	3726.0	3840.0	3836.9	3815.3	3744.5
15714.0	62.5°	19664.9	19714.1	12914.9	3547.4	3017.8	3270.3	3581.3	3578.2	3559.8	3519.7
17453.9	65°	20570.2	19621.8	10962.6	2793.0	2543.6	2894.6	3230.3	3254.9	3258.0	3254.9
18762.6	67.5°	20410.1	18540.9	8283.5	2223.3	2152.5	2512.8	2882.3	2916.2	2940.8	2947.0
18928.9	70°	18599.4	16166.7	5401.2	1773.7	1804.5	2177.1	2552.8	2586.7	2608.2	2632.9
16425.4	72.5°	14497.7	11886.4	3091.7	1435.0	1499.7	1887.7	2226.4	2266.4	2278.7	2324.9
11430.6	75°	8834.7	6990.2	1669.0	1130.1	1231.7	1613.6	1903.1	1949.2	1970.8	2026.2
5613.7	77.5°	4200.3	3027.0	951.5	880.7	991.6	1318.0	1607.4	1659.8	1601.3	1632.1
1548.9	80°	1419.6	1124.0	600.5	671.3	757.5	1028.5	1287.2	1339.5	1216.4	1210.2
514.3	82.5°	495.8	455.7	381.8	446.5	489.6	736.0	973.1	1040.8	905.3	902.3
231.0	85°	194.0	184.8	212.5	243.3	292.5	452.7	640.5	674.4	557.4	449.6
67.7	87.5°	40.0	43.1	52.3	55.4	89.3	157.0	231.0	283.3	224.8	190.9
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°
6639.1
6888.6
7251.9
7670.7
8148.0
8693.1
9364.4
10094.2
10491.4
10285.1
9730.8
9167.3
8674.6
8203.4
7695.3
7153.4
6673.0
6562.1
6266.5
5749.2
4917.8
4237.2
4006.3
3818.4
3719.9
3504.3
3254.9
2953.1
2645.2
2343.4
2032.4
1607.4
1197.9
859.1
443.4
175.5
0.0

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