

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: P853223

Luminaire Tested: **GLAN-SB9C-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853223
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55823 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

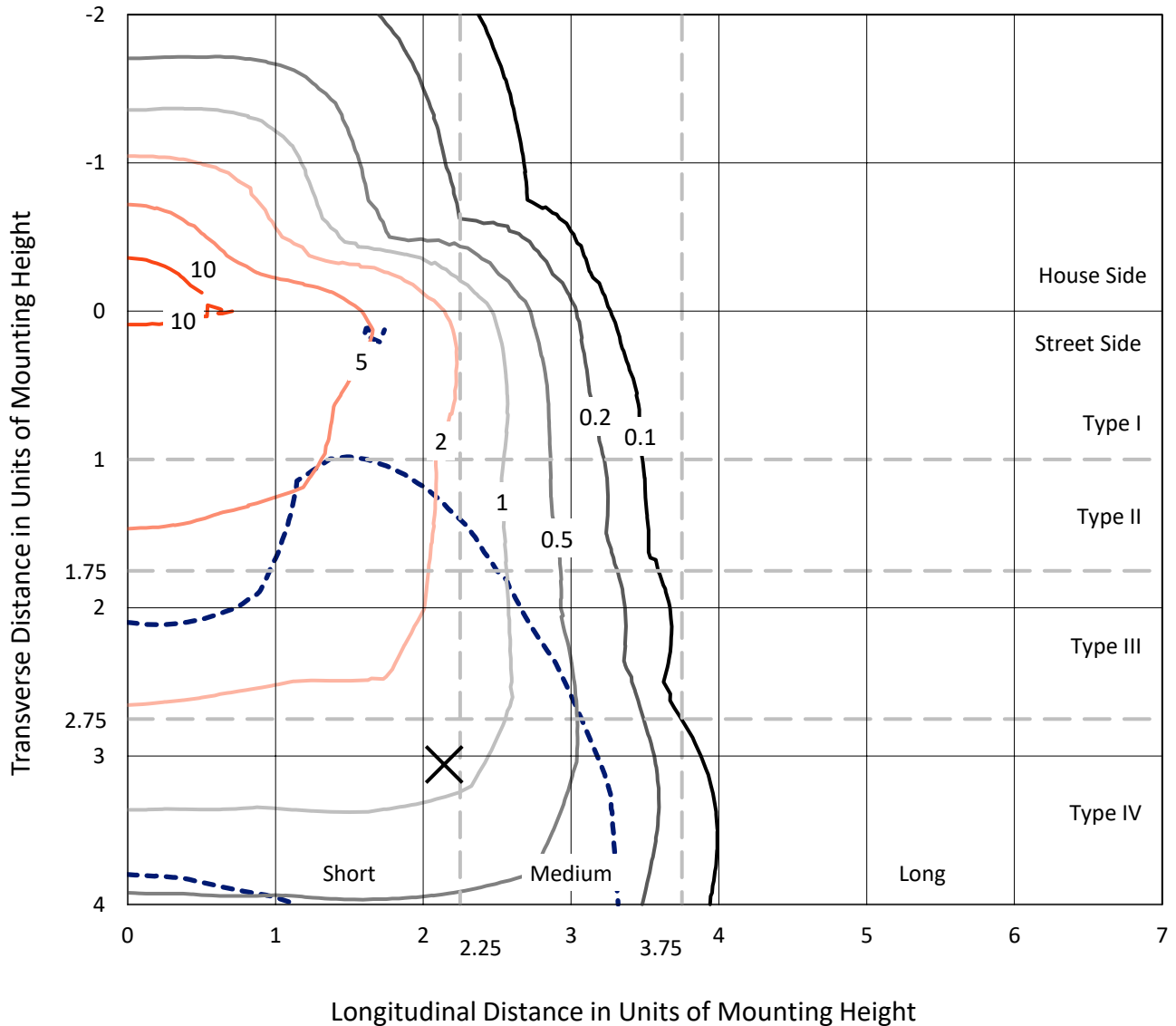
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

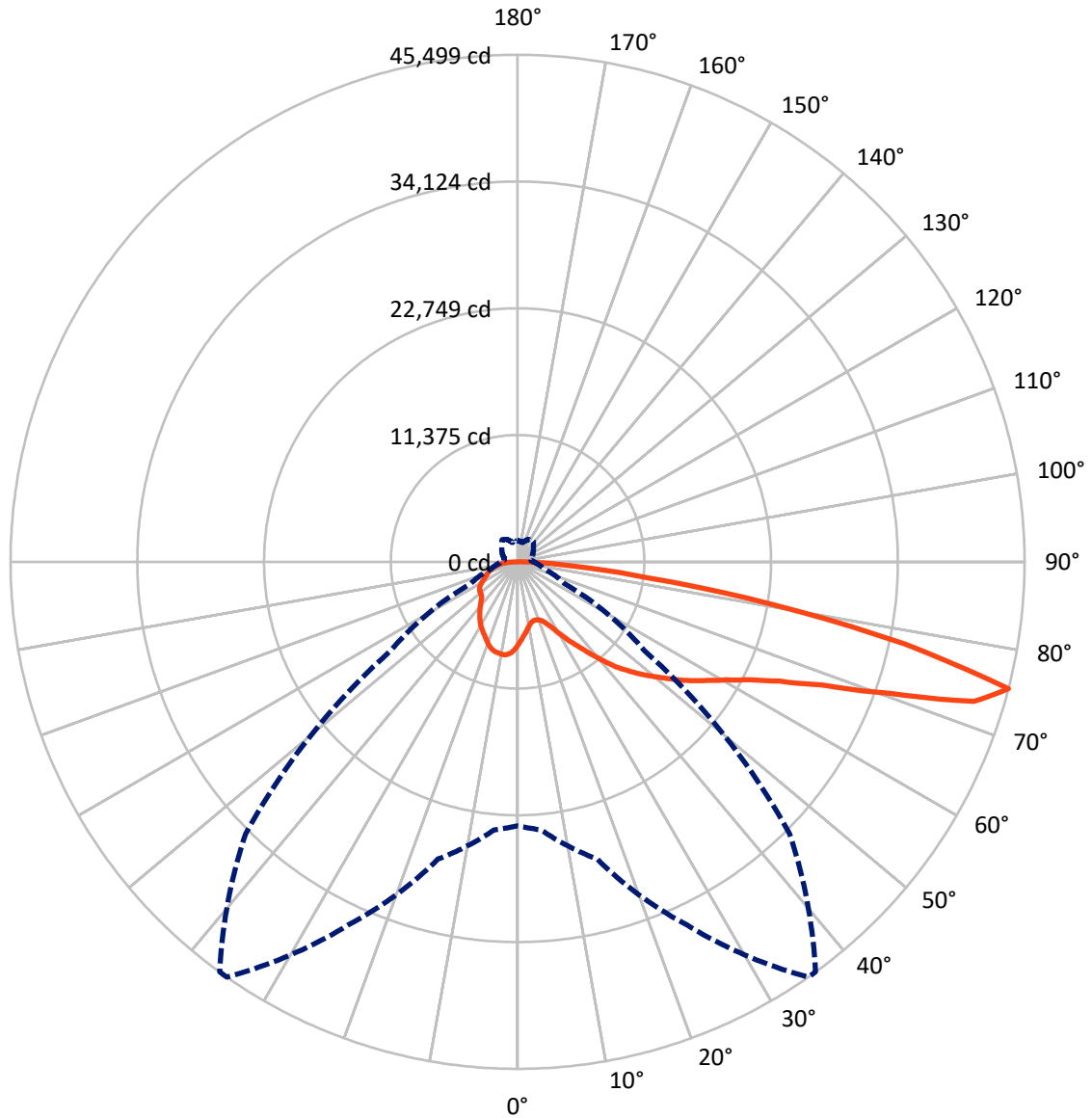
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13284.5	0.0	13284.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	42538.5	0.0	42538.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	55823.0	0.0	55823.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	704.3	1.3
10°-20°	2031.5	3.6
20°-30°	3411.5	6.1
30°-40°	5301.9	9.5
40°-50°	7869.4	14.1
50°-60°	10864.2	19.5
60°-70°	13180.7	23.6
70°-80°	10892.9	19.5
80°-90°	1566.7	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°	55823.0	100.0
0°-180°	55823.0	100.0

Coefficient of Utilization

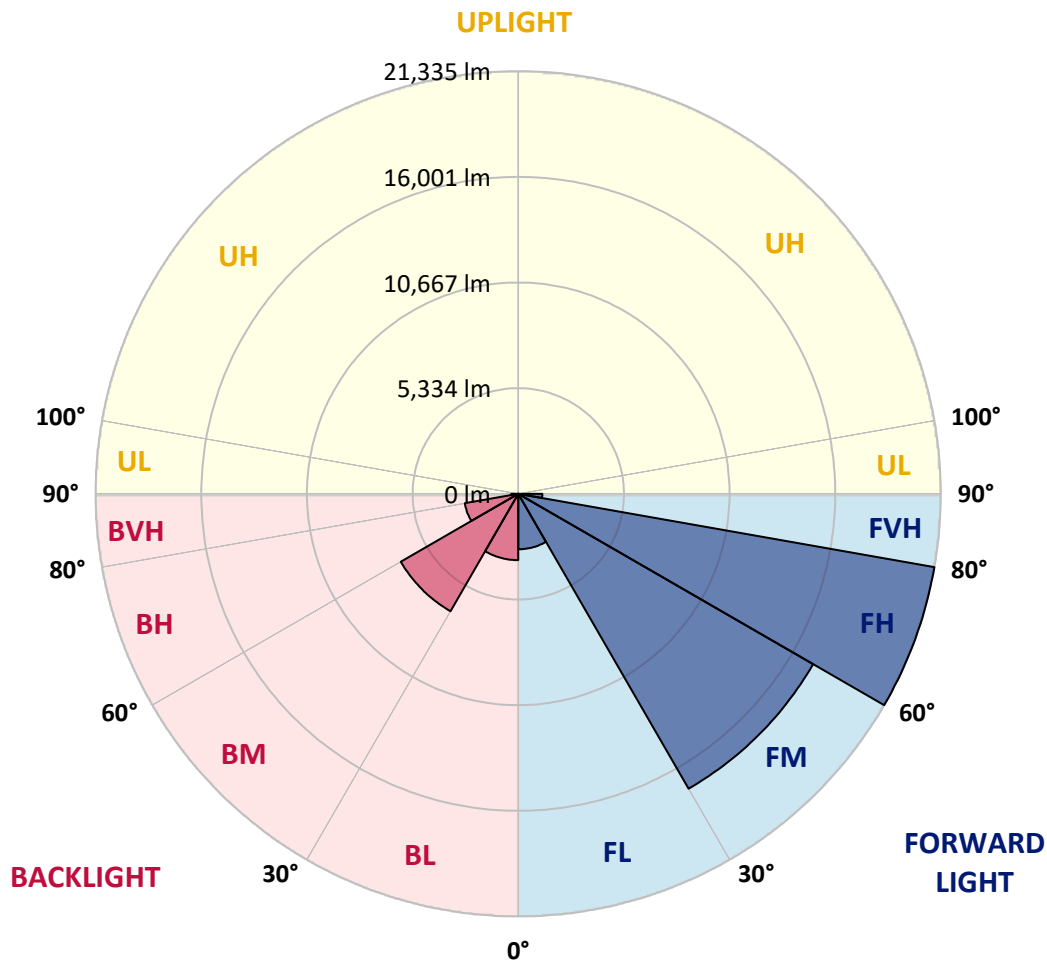


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2799.4	5.0			
FM (30°-60°)	17190.5	30.8			
FH (60°-80°)	21334.7	38.2			G5
FVH (80°-90°)	1213.9	2.2			G5
BL (0°-30°)	3347.9	6.0	B4/5000		
BM (30°-60°)	6845.0	12.3	B4/8500		
BH (60°-80°)	2738.8	4.9	B4/5000		G4/5000
BVH (80°-90°)	352.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8
2.5°	6859.4	6901.6	6919.7	6910.7	6955.9	6949.9	7013.3	7091.7	7200.4	7306.0
5°	6331.3	6376.5	6415.8	6452.0	6539.5	6566.7	6666.2	6817.1	7016.3	7218.5
7.5°	5839.4	5878.6	5939.0	6005.4	6153.2	6180.4	6346.4	6581.7	6859.4	7155.1
10°	5438.0	5477.2	5540.6	5616.1	5800.1	5833.3	6044.6	6358.4	6720.6	7094.8
12.5°	5266.0	5278.1	5314.3	5389.7	5549.7	5570.8	5803.2	6162.3	6584.8	7049.5
15°	5256.9	5281.1	5284.1	5323.3	5456.1	5465.2	5679.4	6035.5	6500.3	7040.4
17.5°	5347.5	5365.6	5338.4	5362.6	5474.2	5489.3	5658.3	5975.2	6473.1	7079.7
20°	5588.9	5604.0	5522.5	5489.3	5570.8	5582.9	5748.8	6014.4	6500.3	7161.2
22.5°	6101.9	6111.0	5911.8	5776.0	5782.0	5788.1	5932.9	6174.3	6605.9	7309.0
25°	6901.6	6895.6	6578.7	6316.2	6165.3	6132.1	6228.7	6433.9	6783.9	7505.2
27.5°	7837.1	7791.9	7475.0	7082.7	6753.8	6705.5	6684.4	6771.9	7037.4	7764.7
30°	8893.4	8851.1	8510.1	7997.1	7541.4	7462.9	7263.8	7218.5	7414.7	8117.8
32.5°	10052.2	10025.0	9617.6	8996.0	8386.4	8295.8	7960.9	7840.2	7994.1	8651.9
35°	11023.9	10999.8	10661.8	10022.0	9276.6	9165.0	8823.9	8688.1	8766.6	9337.0
37.5°	11902.1	11890.0	11600.3	11096.3	10326.8	10191.0	9807.7	9762.5	9747.4	10239.3
40°	12716.9	12686.7	12384.9	12119.3	11549.0	11425.3	11087.3	11048.0	10933.4	11349.8
42.5°	13619.2	13540.7	13103.1	12979.4	12825.5	12722.9	12520.7	12526.7	12273.3	12602.2
45°	14355.5	14310.2	13860.6	13788.2	13954.1	13911.9	14086.9	14132.2	13640.3	13914.9
47.5°	15146.2	15103.9	14723.7	14672.4	15122.0	15134.1	15752.7	15767.8	14974.2	15278.9
50°	16120.9	16060.5	15683.3	15746.7	16250.7	16295.9	17427.6	17325.0	16202.4	16664.1
52.5°	16763.7	16799.9	16718.4	16821.0	17509.1	17551.3	19075.3	18812.8	17418.5	18031.1
55°	17237.5	17309.9	17563.4	17798.8	18836.9	18879.1	20629.4	20228.1	18426.5	19298.6
57.5°	17847.1	17744.5	18218.3	18677.0	20098.3	20210.0	22141.3	21592.1	19319.7	20391.0
60°	18722.2	18649.8	19018.0	19697.0	21510.6	21688.7	23740.8	22820.3	19974.6	21257.1
62.5°	20496.7	20315.6	20372.9	20973.5	23291.1	23526.5	25545.4	23891.7	20300.5	21595.1
65°	23149.3	22838.5	22548.7	22965.2	25798.9	26031.2	27582.4	24733.6	20179.8	20940.3
67.5°	26489.9	26182.1	25826.0	26218.3	29492.6	29676.7	30096.2	25207.4	19229.2	18417.4
70°	29245.2	29130.5	29556.0	31170.5	35392.4	35398.4	33319.2	24815.1	16624.9	13057.9
72.5°	28880.0	28810.6	31052.8	36044.2	42828.1	42668.2	36370.1	21845.6	11198.9	5890.7
75°	23692.5	24142.1	27615.6	35956.7	45498.9	45477.7	34502.1	13887.8	4632.3	2441.4
77.5°	12704.8	13417.0	17928.5	26547.3	35519.1	36053.2	24256.8	4858.6	1988.7	1563.2
80°	4143.4	4765.1	7146.1	13516.6	23079.9	22980.3	10396.2	1907.2	1361.0	1107.5
82.5°	1759.4	1831.8	3192.8	6382.6	11844.7	11660.6	3310.5	1095.4	956.6	757.5
85°	688.1	769.5	1409.3	2951.4	5130.2	5018.5	1195.0	543.2	612.6	494.9
87.5°	226.3	274.6	504.0	1011.0	1596.4	1539.1	292.7	187.1	265.6	226.3
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°
7438.8	0°	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8	7438.8
7459.9	2.5°	7502.2	7550.4	7607.8	7692.3	7764.7	7825.1	7888.4	7927.7	7942.8	7988.0
7472.0	5°	7556.5	7662.1	7803.9	7942.8	8078.6	8160.0	8232.5	8268.7	8301.9	8326.0
7505.2	7.5°	7647.0	7782.8	8006.1	8187.2	8301.9	8368.3	8416.5	8404.5	8416.5	8422.6
7541.4	10°	7725.5	7915.6	8181.2	8353.2	8440.7	8443.7	8431.6	8389.4	8368.3	8371.3
7595.7	12.5°	7819.0	8030.3	8317.0	8461.8	8486.0	8419.6	8368.3	8295.8	8268.7	8256.6
7677.2	15°	7945.8	8187.2	8464.8	8519.2	8458.8	8374.3	8286.8	8169.1	8108.7	8060.5
7816.0	17.5°	8099.7	8365.2	8579.5	8540.3	8410.5	8271.7	8129.9	7951.8	7828.1	7776.8
8006.1	20°	8313.9	8552.3	8667.0	8495.0	8298.9	8087.6	7846.2	7628.9	7514.2	7462.9
8247.6	22.5°	8573.5	8802.8	8751.5	8416.5	8138.9	7800.9	7499.1	7339.2	7281.9	7245.7
8558.4	25°	8884.3	9080.5	8811.9	8301.9	7876.4	7420.7	7188.3	7137.0	7109.9	7082.7
8938.6	27.5°	9288.7	9394.3	8857.1	8132.9	7466.0	7016.3	6931.8	6940.9	6931.8	6886.5
9466.7	30°	9822.8	9801.7	8899.4	7858.3	6995.2	6651.2	6657.2	6696.4	6702.5	6672.3
10203.1	32.5°	10526.0	10311.7	8920.5	7502.2	6545.5	6331.3	6337.3	6379.6	6409.7	6358.4
11165.7	35°	11377.0	10906.2	8887.3	7055.5	6198.5	6026.5	5981.2	5993.3	6002.3	5954.1
12333.6	37.5°	12369.8	11573.1	8739.4	6560.6	5911.8	5727.7	5631.2	5549.7	5501.4	5456.1
13655.4	40°	13459.2	12300.4	8467.9	6077.8	5591.9	5410.9	5266.0	5112.1	4949.1	4888.8
15055.6	42.5°	14600.0	13048.8	8138.9	5616.1	5223.8	5075.9	4922.0	4698.7	4454.2	4330.5
16510.2	45°	15782.9	13815.3	7816.0	5160.4	4846.5	4783.2	4605.1	4336.5	4071.0	3914.0
17967.8	47.5°	16941.7	14539.6	7342.2	4701.7	4493.5	4562.9	4424.0	4176.6	3880.8	3633.4
19413.3	50°	18049.3	15218.6	6566.7	4236.9	4206.8	4496.5	4363.7	4007.6	3669.6	3352.7
20831.6	52.5°	19147.7	15767.8	5573.8	3814.5	4052.9	4478.4	4285.2	3892.9	3479.5	3147.5
22165.5	55°	20080.2	16051.5	4617.2	3452.3	3829.5	4324.5	4191.7	3757.1	3210.9	2857.8
23079.9	57.5°	20611.3	15822.1	3820.5	3096.2	3521.7	4071.0	4031.7	3467.4	2891.0	2619.4
23257.9	60°	20382.0	14892.7	3168.7	2785.4	3229.0	3796.3	3754.1	3180.7	2646.6	2390.1
22304.3	62.5°	19117.5	13121.2	2652.6	2513.8	2963.4	3515.7	3476.5	2960.4	2459.5	2212.0
19772.4	65°	16570.6	10673.8	2251.3	2287.5	2694.9	3177.7	3235.0	2776.3	2311.6	2070.2
15297.1	67.5°	12638.4	7731.5	1937.4	2091.3	2432.3	2845.8	3011.7	2643.6	2187.9	1958.5
8851.1	70°	7203.4	4390.8	1671.8	1901.2	2200.0	2537.9	2839.7	2537.9	2055.1	1865.0
3316.5	72.5°	2731.1	2015.9	1445.5	1711.1	1976.6	2278.4	2649.6	2372.0	1901.2	1759.4
1714.1	75°	1457.6	1228.2	1216.2	1487.8	1720.1	2024.9	2411.2	2209.0	1786.5	1858.9
1186.0	77.5°	992.8	869.1	1017.0	1273.5	1439.5	1744.3	2157.7	1961.5	1548.1	1542.1
820.8	80°	688.1	615.6	826.9	1026.0	1113.6	1466.6	1883.1	1683.9	1261.4	1176.9
507.0	82.5°	413.4	401.4	618.6	766.5	787.6	1131.7	1560.2	1412.3	1032.1	899.3
301.8	85°	226.3	238.4	395.3	449.6	458.7	790.7	1222.2	1092.4	793.7	666.9
108.6	87.5°	63.4	81.5	144.9	178.0	220.3	410.4	727.3	648.8	398.3	277.6
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>
7438.8
7985.0
8332.1
8431.6
8377.3
8250.6
8075.5
7779.8
7456.9
7251.7
7082.7
6895.6
6687.4
6382.6
5987.2
5486.3
4915.9
4345.6
3902.0
3606.2
3325.6
3111.3
2827.6
2583.2
2353.9
2172.8
2031.0
1922.3
1840.8
1735.2
1919.3
1421.4
1125.6
905.3
673.0
277.6
0.0

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