

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: P851573

Luminaire Tested: **GLAN-SB9C-840-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851573
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-840-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 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: 60133 lumens
Efficiency: N/A
Efficacy: 133.7 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

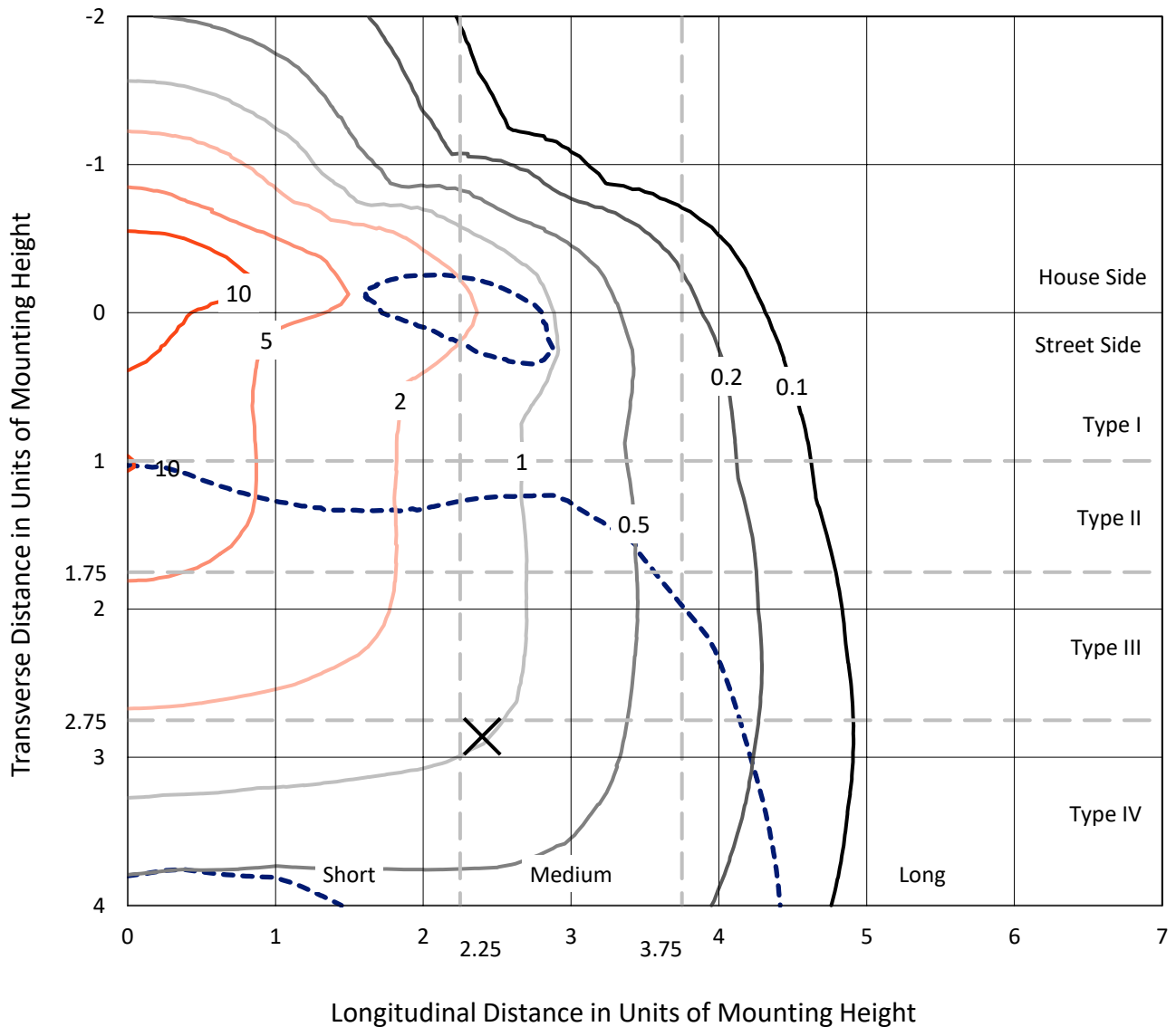
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

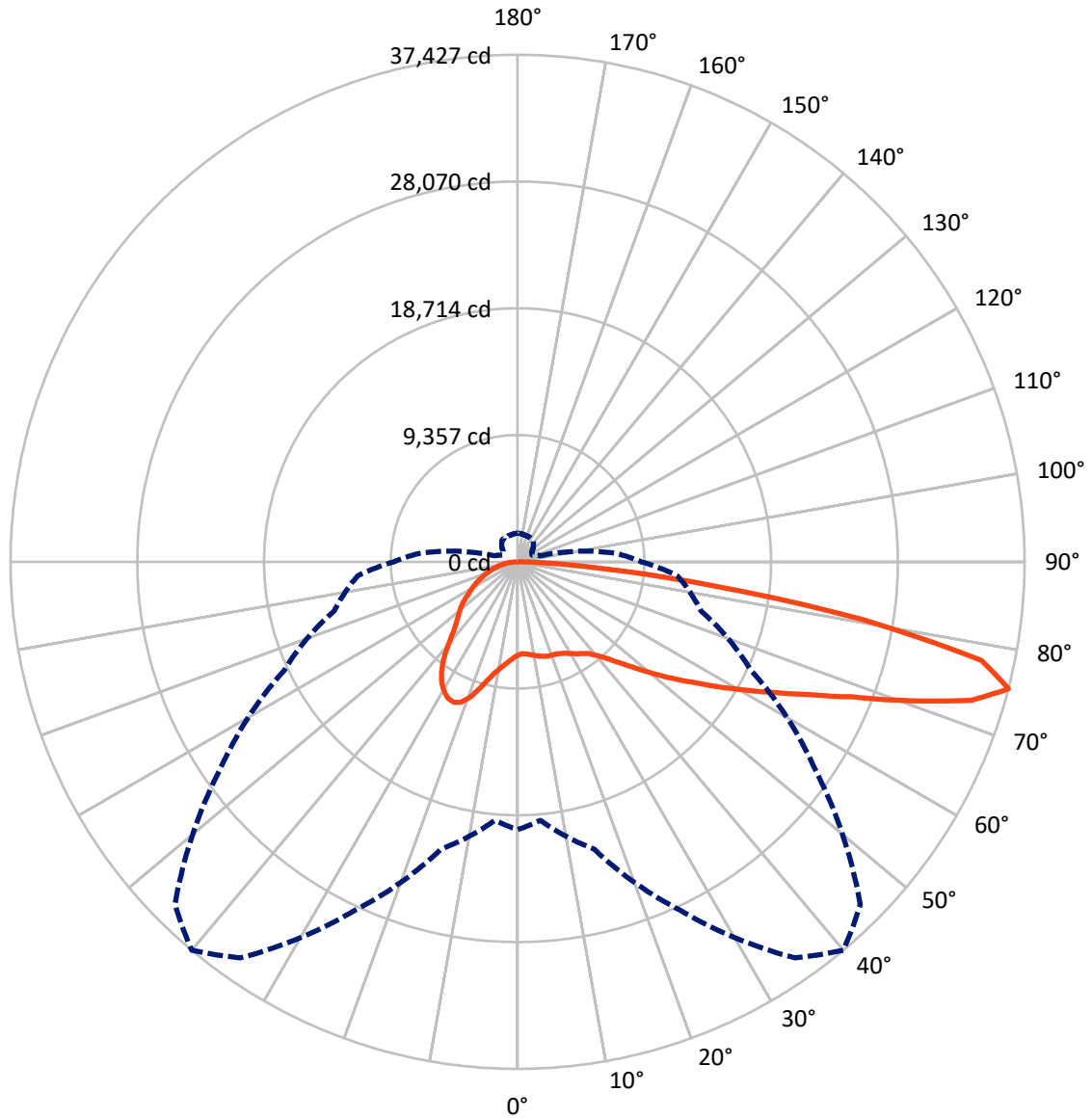
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 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	18631.2	0.0	18631.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	41501.8	0.0	41501.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	60133.0	0.0	60133.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	686.4	1.1
10°-20°	2304.5	3.8
20°-30°	4207.8	7.0
30°-40°	5967.9	9.9
40°-50°	8058.4	13.4
50°-60°	10840.7	18.0
60°-70°	13759.4	22.9
70°-80°	12487.5	20.8
80°-90°	1820.3	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°	60133.0	100.0
0°-180°	60133.0	100.0

Coefficient of Utilization

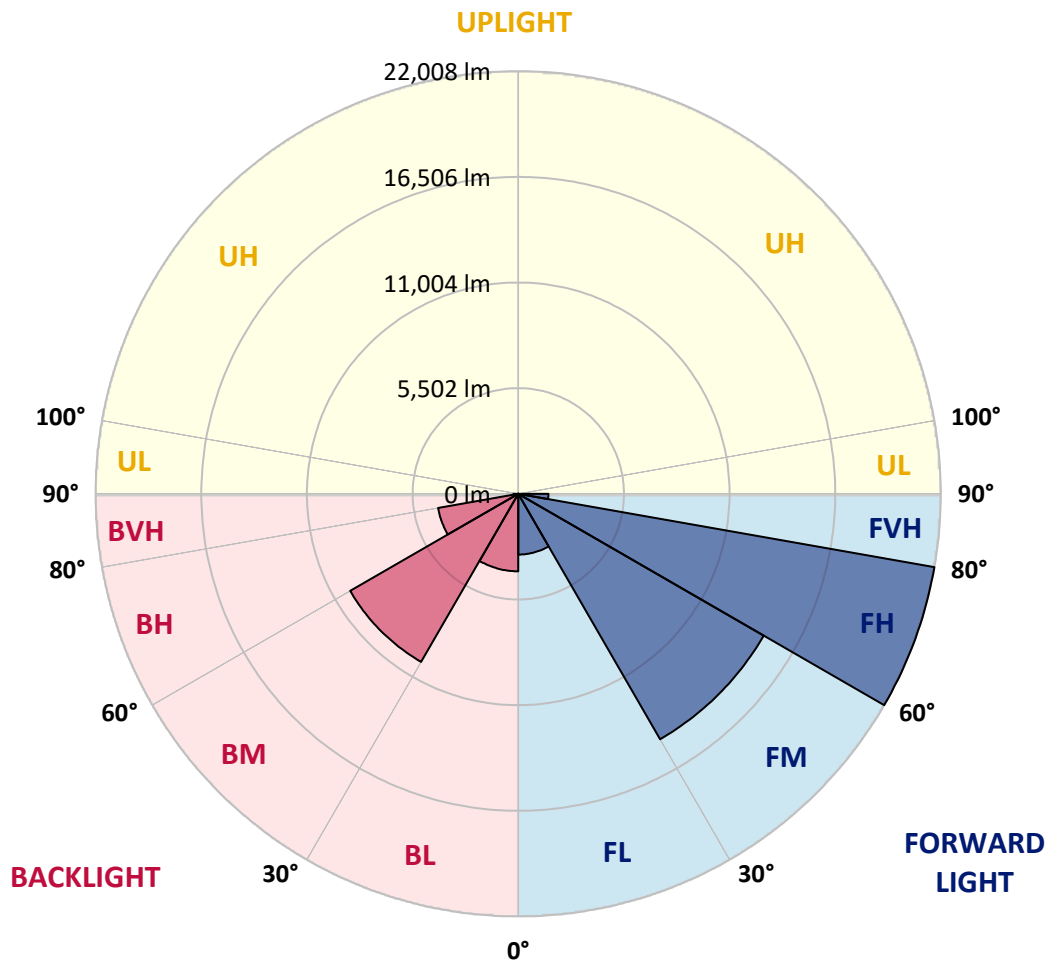


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3163.1	5.3			
FM (30°-60°)	14761.3	24.5			
FH (60°-80°)	22007.8	36.6			G5
FVH (80°-90°)	1569.7	2.6			G5
BL (0°-30°)	4035.7	6.7	B4/5000		
BM (30°-60°)	10105.8	16.8	B5		
BH (60°-80°)	4239.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	250.6	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°	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3
2.5°	6771.0	6809.3	6799.7	6787.0	6787.0	6790.2	6787.0	6809.3	6831.6	6854.0
5°	6841.2	6879.5	6860.3	6844.4	6831.6	6828.4	6818.9	6815.7	6828.4	6857.2
7.5°	6978.3	7016.6	6987.9	6959.2	6933.7	6920.9	6908.2	6889.0	6879.5	6895.4
10°	7131.4	7169.7	7134.6	7083.6	7042.1	7026.2	7013.4	6994.3	6981.5	6991.1
12.5°	7284.5	7322.8	7275.0	7204.8	7150.6	7141.0	7125.1	7118.7	7115.5	7112.3
15°	7428.1	7459.9	7399.3	7316.4	7259.0	7243.1	7227.1	7236.7	7252.6	7271.8
17.5°	7539.7	7571.6	7482.3	7373.8	7319.6	7313.2	7303.7	7335.6	7380.2	7428.1
20°	7641.7	7673.6	7558.8	7412.1	7348.3	7348.3	7351.5	7418.5	7482.3	7552.4
22.5°	7785.3	7810.8	7670.4	7469.5	7377.0	7383.4	7408.9	7475.9	7555.6	7651.3
25°	7998.9	8018.1	7845.9	7578.0	7472.7	7491.8	7514.2	7546.1	7622.6	7734.2
27.5°	8343.4	8359.3	8132.9	7769.3	7609.8	7641.7	7673.6	7651.3	7686.4	7782.1
30°	8828.2	8837.8	8550.7	8069.1	7842.7	7858.6	7865.0	7772.5	7705.5	7782.1
32.5°	9402.3	9399.1	9057.8	8432.7	8107.4	8091.4	8037.2	7855.4	7699.1	7766.1
35°	10292.1	10257.0	9816.9	8943.0	8407.2	8308.3	8180.7	7947.9	7731.0	7750.2
37.5°	11765.6	11657.2	11048.0	9778.6	8853.7	8601.7	8413.6	8097.8	7801.2	7743.8
40°	13427.3	13290.1	12620.3	10923.6	9523.5	9118.4	8815.4	8311.5	7916.0	7772.5
42.5°	15398.3	15203.7	14482.9	12272.7	10371.8	9785.0	9328.9	8582.6	8085.1	7865.0
45°	17819.0	17560.7	16540.1	13794.0	11440.3	10658.9	10049.7	8994.0	8343.4	8043.6
47.5°	20265.3	20329.1	18877.9	15535.4	12722.4	11736.9	10952.3	9612.8	8719.7	8330.6
50°	22864.6	22909.3	21203.0	17465.0	14176.8	12955.2	11966.5	10304.9	9242.8	8738.9
52.5°	24893.1	24899.4	23314.3	19483.9	15691.7	14294.8	13060.5	11095.8	9848.8	9281.1
55°	26162.4	26146.5	24794.2	21394.3	17433.1	15701.3	14272.4	11995.2	10588.7	9919.0
57.5°	27084.2	27036.3	25814.8	23036.8	19289.3	17362.9	15643.9	13015.8	11462.6	10678.0
60°	27435.0	27406.3	26506.9	24456.1	21241.2	19200.0	17225.8	14157.6	12454.5	11574.2
62.5°	27568.9	27623.2	27186.2	25830.7	23330.3	21234.8	18964.0	15522.7	13570.8	12588.5
65°	28041.0	28139.8	28050.5	27629.5	25690.4	23617.3	21269.9	17146.1	14789.1	13676.0
67.5°	28975.5	29074.3	29112.6	29782.4	28573.6	26586.6	24146.7	19168.1	16214.8	14805.1
70°	28953.1	28924.4	29600.6	31495.1	32184.0	30697.7	28025.0	21655.8	17914.7	15742.7
72.5°	26353.8	26124.2	27722.0	31475.9	35188.4	34990.6	32761.2	24864.4	19381.8	15857.6
75°	19770.9	19158.6	21981.2	28366.3	35689.1	37427.3	35772.0	26854.5	19034.2	14010.9
77.5°	8455.0	7839.5	11166.0	20998.8	31941.6	34987.4	33010.0	23429.1	15194.2	9265.1
80°	2213.4	2210.2	3374.4	9520.3	21722.8	25837.1	22666.9	15130.4	8681.5	3310.6
82.5°	915.4	893.0	1240.7	3702.9	10614.2	14498.9	11832.6	6748.7	3135.2	896.2
85°	341.3	338.1	602.8	1278.9	3744.3	5980.1	4328.0	1725.5	781.4	436.9
87.5°	95.7	92.5	130.8	443.3	912.2	1384.2	739.9	283.9	220.1	172.2
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°
6876.3	0°	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3	6876.3
6889.0	2.5°	6898.6	6914.6	6943.3	6965.6	6994.3	7026.2	7070.8	7099.5	7128.2	7147.4
6905.0	5°	6927.3	6962.4	7035.8	7109.1	7195.2	7275.0	7367.5	7434.4	7488.6	7504.6
6962.4	7.5°	6991.1	7048.5	7172.9	7297.3	7434.4	7565.2	7699.1	7814.0	7906.5	7941.5
7064.5	10°	7102.7	7179.3	7354.7	7530.1	7711.9	7912.8	8085.1	8250.9	8381.7	8435.9
7185.7	12.5°	7243.1	7338.7	7568.4	7810.8	8062.7	8340.2	8563.5	8767.6	8930.2	9003.6
7354.7	15°	7424.9	7549.2	7842.7	8168.0	8538.0	8923.9	9207.7	9434.2	9616.0	9705.3
7530.1	17.5°	7622.6	7788.4	8158.4	8649.6	9179.0	9686.1	10017.8	10183.7	10371.8	10458.0
7692.8	20°	7814.0	8018.1	8547.5	9261.9	9966.8	10505.8	10773.7	10818.4	10831.1	10840.7
7845.9	22.5°	8011.7	8286.0	9035.5	10033.8	10789.6	11162.8	11201.1	11009.7	10741.8	10617.4
7995.8	25°	8228.6	8592.2	9673.4	10885.3	11497.7	11542.3	11248.9	10783.3	10276.2	10043.3
8117.0	27.5°	8439.1	8946.2	10438.8	11698.6	12008.0	11615.7	10984.2	10324.0	9711.6	9466.1
8203.1	30°	8649.6	9351.2	11284.0	12409.9	12240.8	11433.9	10566.4	9829.6	9214.1	8955.8
8279.6	32.5°	8863.3	9823.3	12256.8	12923.3	12199.4	11048.0	10046.5	9274.7	8732.5	8461.4
8346.6	35°	9105.7	10403.7	13178.5	13204.0	11921.9	10480.3	9360.8	8611.3	8139.3	7922.4
8426.3	37.5°	9421.4	11140.5	13991.8	13274.2	11437.1	9647.9	8509.2	7826.7	7437.6	7338.7
8544.3	40°	9813.7	12027.1	14613.7	13162.5	10719.5	8636.8	7578.0	7032.6	6812.5	6834.8
8703.8	42.5°	10324.0	13019.0	15050.7	12875.5	9721.2	7593.9	6761.5	6519.1	6624.3	6713.6
8943.0	45°	10987.4	14049.2	15321.7	12387.5	8592.2	6710.4	6279.9	6337.3	6417.0	6426.6
9328.9	47.5°	11835.8	15092.1	15500.4	11650.8	7440.8	6088.5	5973.7	5986.5	5970.5	5903.5
9906.2	50°	12894.6	16106.3	15659.8	10674.8	6461.7	5699.4	5546.3	5501.7	5281.6	5064.7
10674.8	52.5°	14100.2	17037.6	15726.8	9462.9	5699.4	5374.1	5125.3	4844.7	4433.2	4366.3
11641.2	55°	15439.8	17898.8	15554.6	7973.4	5058.3	4956.3	4579.9	4241.9	4197.2	4139.8
12913.8	57.5°	17040.8	18826.9	15203.7	6311.8	4401.3	4468.3	4101.5	4139.8	4060.1	3970.8
14549.9	60°	18791.8	19786.9	14588.2	4796.8	3722.0	3859.1	3977.1	3974.0	3951.6	3878.3
16275.4	62.5°	20367.3	20418.4	13376.2	3674.2	3125.6	3387.1	3709.2	3706.1	3686.9	3645.5
18077.4	65°	21305.0	20322.7	11354.2	2892.8	2634.4	2998.0	3345.7	3371.2	3374.4	3371.2
19432.9	67.5°	21139.2	19203.2	8579.4	2302.7	2229.4	2602.5	2985.3	3020.3	3045.9	3052.2
19605.1	70°	19263.8	16744.2	5594.2	1837.1	1869.0	2254.9	2644.0	2679.1	2701.4	2726.9
17012.1	72.5°	15015.6	12311.0	3202.1	1486.2	1553.2	1955.1	2305.9	2347.4	2360.1	2408.0
11839.0	75°	9150.3	7239.9	1728.6	1170.5	1275.7	1671.2	1971.0	2018.9	2041.2	2098.6
5814.2	77.5°	4350.3	3135.2	985.5	912.2	1027.0	1365.1	1664.9	1719.1	1658.5	1690.4
1604.3	80°	1470.3	1164.1	621.9	695.3	784.6	1065.3	1333.2	1387.4	1259.8	1253.4
532.6	82.5°	513.5	472.0	395.5	462.5	507.1	762.3	1007.8	1078.0	937.7	934.5
239.2	85°	200.9	191.4	220.1	252.0	303.0	468.8	663.4	698.5	577.3	465.6
70.2	87.5°	41.5	44.7	54.2	57.4	92.5	162.7	239.2	293.4	232.8	197.7
0.0	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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180°
6876.3
7134.6
7511.0
7944.7
8439.1
9003.6
9698.9
10454.8
10866.2
10652.5
10078.4
9494.8
8984.5
8496.5
7970.2
7408.9
6911.4
6796.6
6490.4
5954.6
5093.4
4388.6
4149.4
3954.8
3852.8
3629.5
3371.2
3058.6
2739.7
2427.1
2105.0
1664.9
1240.7
889.8
459.3
181.8
0.0

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