

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: P851563

Luminaire Tested: **GLAN-SB9C-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851563
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-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 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: 55986 lumens
Efficiency: N/A
Efficacy: 124.5 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

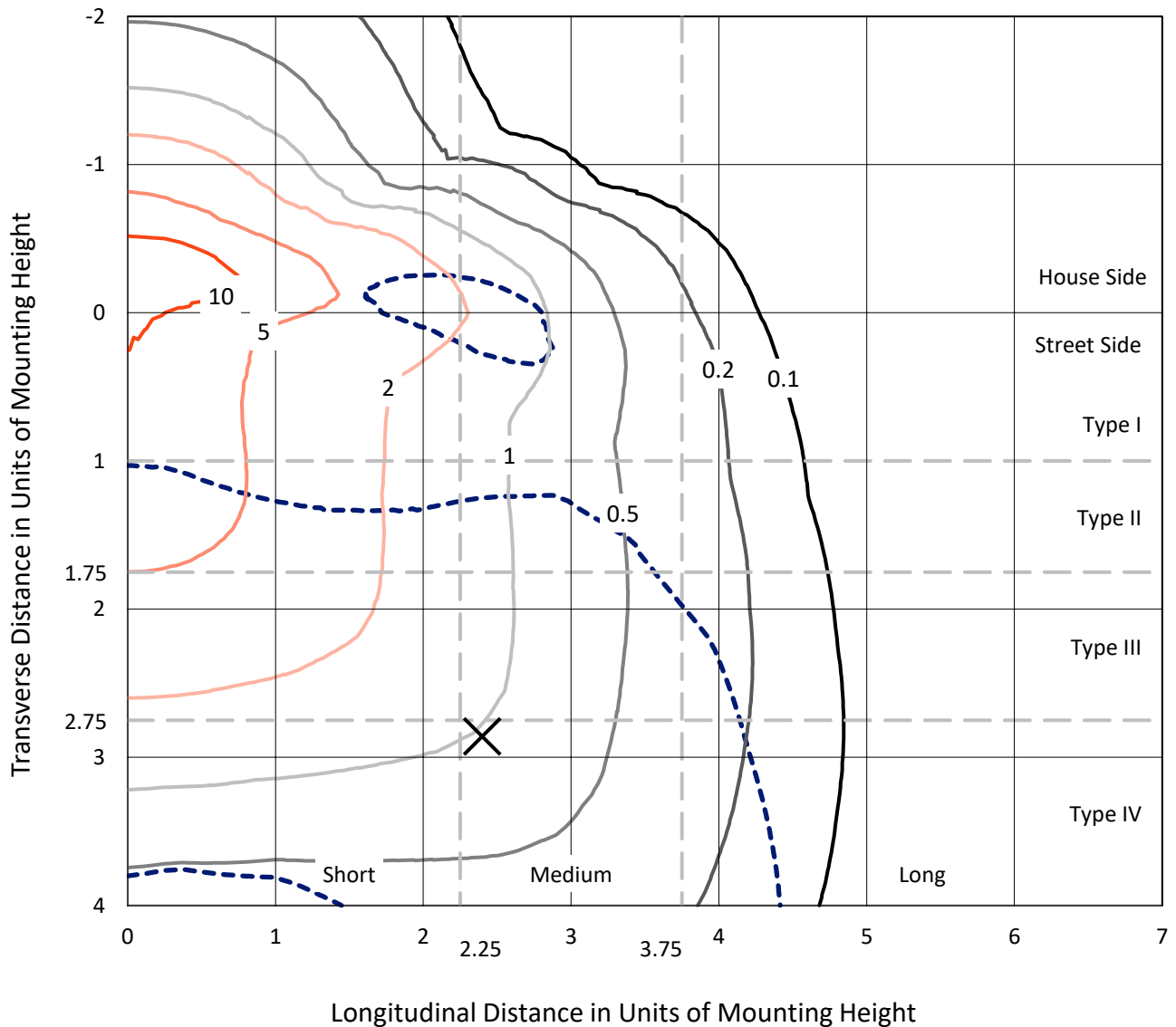
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

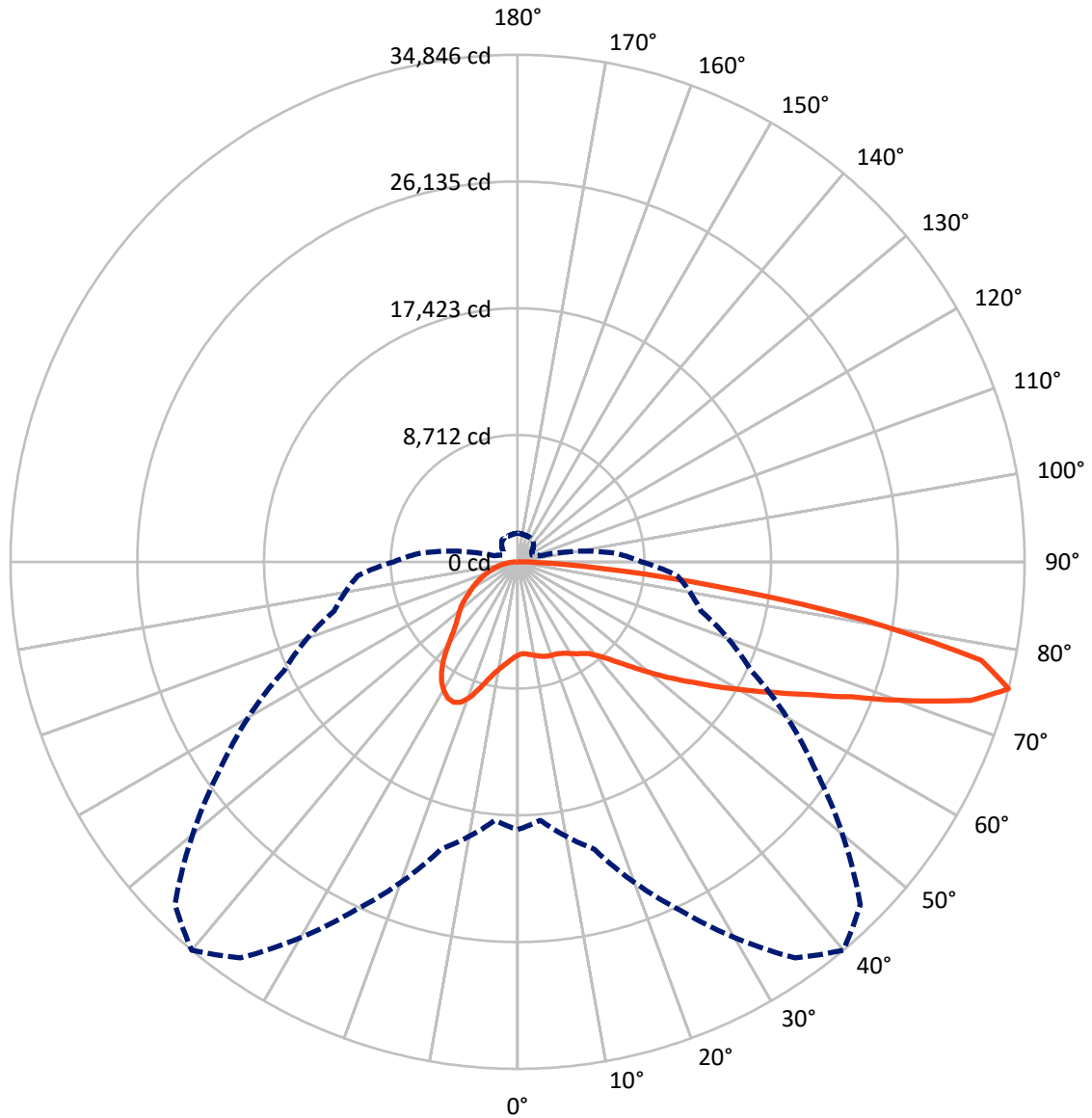
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 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	17346.3	0.0	17346.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	38639.7	0.0	38639.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	55986.0	0.0	55986.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.1	1.1
10°-20°	2145.6	3.8
20°-30°	3917.7	7.0
30°-40°	5556.3	9.9
40°-50°	7502.7	13.4
50°-60°	10093.1	18.0
60°-70°	12810.5	22.9
70°-80°	11626.3	20.8
80°-90°	1694.7	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°	55986.0	100.0
0°-180°	55986.0	100.0

Coefficient of Utilization

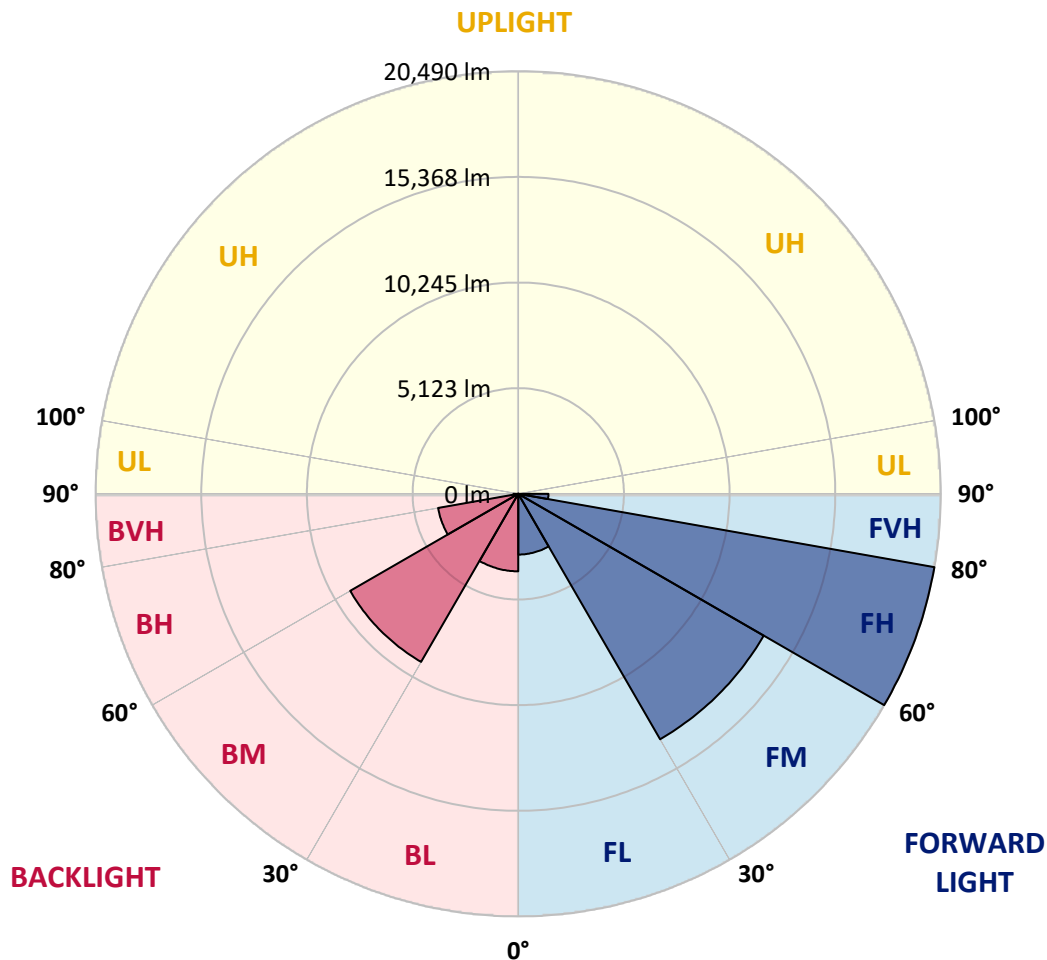


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2944.9	5.3			
FM (30°-60°)	13743.3	24.5			
FH (60°-80°)	20490.0	36.6			G5
FVH (80°-90°)	1461.4	2.6			G5
BL (0°-30°)	3757.4	6.7	B4/5000		
BM (30°-60°)	9408.8	16.8	B5		
BH (60°-80°)	3946.8	7.0	B4/5000		G4/5000
BVH (80°-90°)	233.3	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°	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1
2.5°	6304.1	6339.7	6330.8	6318.9	6318.9	6321.9	6318.9	6339.7	6360.5	6381.3
5°	6369.4	6405.0	6387.2	6372.4	6360.5	6357.5	6348.6	6345.7	6357.5	6384.3
7.5°	6497.1	6532.7	6506.0	6479.3	6455.5	6443.6	6431.8	6414.0	6405.0	6419.9
10°	6639.6	6675.3	6642.6	6595.1	6556.5	6541.6	6529.8	6511.9	6500.1	6509.0
12.5°	6782.2	6817.8	6773.3	6707.9	6657.4	6648.5	6633.7	6627.7	6624.8	6621.8
15°	6915.8	6945.5	6889.1	6811.9	6758.4	6743.6	6728.7	6737.6	6752.5	6770.3
17.5°	7019.7	7049.4	6966.3	6865.3	6814.8	6808.9	6800.0	6829.7	6871.2	6915.8
20°	7114.7	7144.4	7037.5	6900.9	6841.5	6841.5	6844.5	6906.9	6966.3	7031.6
22.5°	7248.4	7272.1	7141.5	6954.4	6868.3	6874.2	6898.0	6960.3	7034.6	7123.6
25°	7447.3	7465.1	7304.8	7055.3	6957.4	6975.2	6996.0	7025.7	7096.9	7200.8
27.5°	7768.0	7782.9	7572.0	7233.5	7085.0	7114.7	7144.4	7123.6	7156.3	7245.4
30°	8219.4	8228.3	7961.0	7512.6	7301.8	7316.7	7322.6	7236.5	7174.1	7245.4
32.5°	8753.9	8750.9	8433.2	7851.2	7548.3	7533.4	7482.9	7313.7	7168.2	7230.5
35°	9582.3	9549.7	9139.9	8326.3	7827.4	7735.3	7616.6	7399.8	7197.9	7215.7
37.5°	10954.2	10853.2	10286.1	9104.2	8243.1	8008.5	7833.3	7539.4	7263.2	7209.8
40°	12501.3	12373.6	11750.0	10170.3	8866.7	8489.6	8207.5	7738.3	7370.1	7236.5
42.5°	14336.4	14155.2	13484.1	11426.3	9656.6	9110.2	8685.6	7990.7	7527.5	7322.6
45°	16590.2	16349.6	15399.4	12842.7	10651.3	9923.8	9356.6	8373.8	7768.0	7488.9
47.5°	18867.7	18927.1	17576.0	14464.1	11845.0	10927.5	10197.0	8949.8	8118.4	7756.1
50°	21287.8	21329.4	19740.7	16260.6	13199.1	12061.8	11141.3	9594.2	8605.4	8136.2
52.5°	23176.3	23182.3	21706.5	18140.2	14609.6	13308.9	12159.8	10330.6	9169.6	8641.0
55°	24358.2	24343.3	23084.3	19918.9	16230.9	14618.5	13288.2	11168.0	9858.5	9234.9
57.5°	25216.3	25171.8	24034.5	21448.1	17959.1	16165.5	14565.0	12118.2	10672.1	9941.6
60°	25543.0	25516.2	24678.9	22769.5	19776.4	17875.9	16037.8	13181.3	11595.6	10776.0
62.5°	25667.7	25718.2	25311.4	24049.3	21721.3	19770.4	17656.2	14452.2	12634.9	11720.3
65°	26107.2	26199.2	26116.1	25724.1	23918.7	21988.6	19803.1	15963.6	13769.2	12732.9
67.5°	26977.2	27069.3	27104.9	27728.5	26603.1	24753.1	22481.5	17846.2	15096.5	13784.1
70°	26956.4	26929.7	27559.2	29323.0	29964.4	28580.7	26092.3	20162.4	16679.2	14657.1
72.5°	24536.3	24322.5	25810.2	29305.2	32761.6	32577.5	30501.9	23149.6	18045.2	14764.0
75°	18407.4	17837.3	20465.3	26410.0	33227.8	34846.2	33305.0	25002.5	17721.5	13044.7
77.5°	7871.9	7298.8	10395.9	19550.7	29738.8	32574.6	30733.5	21813.4	14146.3	8626.2
80°	2060.8	2057.8	3141.6	8863.7	20224.7	24055.3	21103.7	14086.9	8082.8	3082.3
82.5°	852.2	831.4	1155.1	3447.5	9882.2	13499.0	11016.6	6283.3	2918.9	834.4
85°	317.7	314.8	561.2	1190.7	3486.1	5567.7	4029.5	1606.5	727.5	406.8
87.5°	89.1	86.1	121.7	412.7	849.3	1288.7	688.9	264.3	204.9	160.3
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°
6402.1	0°	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1	6402.1
6414.0	2.5°	6422.9	6437.7	6464.4	6485.2	6511.9	6541.6	6583.2	6609.9	6636.7	6654.5
6428.8	5°	6449.6	6482.2	6550.5	6618.8	6699.0	6773.3	6859.4	6921.7	6972.2	6987.0
6482.2	7.5°	6509.0	6562.4	6678.2	6794.0	6921.7	7043.5	7168.2	7275.1	7361.2	7393.9
6577.3	10°	6612.9	6684.2	6847.5	7010.8	7180.1	7367.1	7527.5	7681.9	7803.6	7854.1
6690.1	12.5°	6743.6	6832.6	7046.4	7272.1	7506.7	7765.0	7972.9	8162.9	8314.4	8382.7
6847.5	15°	6912.8	7028.6	7301.8	7604.7	7949.1	8308.4	8572.7	8783.6	8952.8	9036.0
7010.8	17.5°	7096.9	7251.3	7595.8	8053.1	8546.0	9018.1	9327.0	9481.4	9656.6	9736.7
7162.2	20°	7275.1	7465.1	7958.1	8623.2	9279.4	9781.3	10030.7	10072.3	10084.2	10093.1
7304.8	22.5°	7459.2	7714.6	8412.4	9341.8	10045.6	10393.0	10428.6	10250.4	10001.0	9885.2
7444.3	25°	7661.1	7999.6	9006.3	10134.6	10704.8	10746.3	10473.2	10039.6	9567.5	9350.7
7557.2	27.5°	7857.1	8329.2	9718.9	10891.8	11179.9	10814.6	10226.7	9612.0	9041.9	8813.2
7637.4	30°	8053.1	8706.3	10505.8	11554.0	11396.6	10645.4	9837.7	9151.8	8578.7	8338.1
7708.6	32.5°	8252.0	9145.8	11411.5	12032.1	11358.0	10286.1	9353.7	8635.1	8130.3	7877.9
7771.0	35°	8477.7	9686.3	12269.7	12293.4	11099.7	9757.5	8715.3	8017.4	7578.0	7376.0
7845.2	37.5°	8771.7	10372.2	13026.9	12358.7	10648.3	8982.5	7922.4	7287.0	6924.7	6832.6
7955.1	40°	9136.9	11197.7	13605.9	12254.8	9980.2	8041.2	7055.3	6547.6	6342.7	6363.5
8103.6	42.5°	9612.0	12121.2	14012.7	11987.6	9050.8	7070.2	6295.2	6069.5	6167.5	6250.6
8326.3	45°	10229.7	13080.3	14265.1	11533.2	7999.6	6247.7	5846.8	5900.2	5974.5	5983.4
8685.6	47.5°	11019.5	14051.3	14431.4	10847.3	6927.7	5668.6	5561.7	5573.6	5558.8	5496.4
9223.0	50°	12005.4	14995.6	14579.9	9938.7	6016.0	5306.4	5163.8	5122.3	4917.4	4715.4
9938.7	52.5°	13127.8	15862.7	14642.2	8810.3	5306.4	5003.5	4771.9	4510.6	4127.5	4065.1
10838.4	55°	14375.0	16664.4	14481.9	7423.6	4709.5	4614.5	4264.1	3949.3	3907.8	3854.3
12023.2	57.5°	15865.6	17528.5	14155.2	5876.5	4097.8	4160.2	3818.7	3854.3	3780.1	3696.9
13546.5	60°	17495.8	18422.3	13582.1	4466.0	3465.3	3593.0	3702.9	3699.9	3679.1	3610.8
15153.0	62.5°	18962.7	19010.2	12453.8	3420.8	2910.0	3153.5	3453.4	3450.5	3432.7	3394.0
16830.7	65°	19835.7	18921.2	10571.1	2693.3	2452.7	2791.3	3114.9	3138.7	3141.6	3138.7
18092.7	67.5°	19681.3	17878.9	7987.7	2143.9	2075.6	2423.0	2779.4	2812.0	2835.8	2841.7
18253.0	70°	17935.3	15589.5	5208.4	1710.4	1740.1	2099.4	2461.7	2494.3	2515.1	2538.9
15838.9	72.5°	13980.0	11462.0	2981.3	1383.8	1446.1	1820.3	2146.9	2185.5	2197.4	2241.9
11022.5	75°	8519.3	6740.6	1609.4	1089.8	1187.8	1556.0	1835.1	1879.6	1900.4	1953.9
5413.3	77.5°	4050.3	2918.9	917.6	849.3	956.2	1270.9	1550.0	1600.5	1544.1	1573.8
1493.6	80°	1368.9	1083.8	579.0	647.3	730.5	991.8	1241.2	1291.7	1172.9	1167.0
495.9	82.5°	478.1	439.5	368.2	430.6	472.1	709.7	938.3	1003.7	873.0	870.0
222.7	85°	187.1	178.2	204.9	234.6	282.1	436.5	617.6	650.3	537.5	433.5
65.3	87.5°	38.6	41.6	50.5	53.4	86.1	151.4	222.7	273.2	216.8	184.1
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°
6402.1
6642.6
6993.0
7396.8
7857.1
8382.7
9030.0
9733.8
10116.8
9917.9
9383.4
8840.0
8364.9
7910.5
7420.6
6898.0
6434.7
6327.8
6042.8
5543.9
4742.2
4085.9
3863.2
3682.1
3587.1
3379.2
3138.7
2847.7
2550.7
2259.7
1959.8
1550.0
1155.1
828.5
427.6
169.3
0.0

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