

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: P851738

Luminaire Tested: **GLAN-SB9D-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851738
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9D-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 76795 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

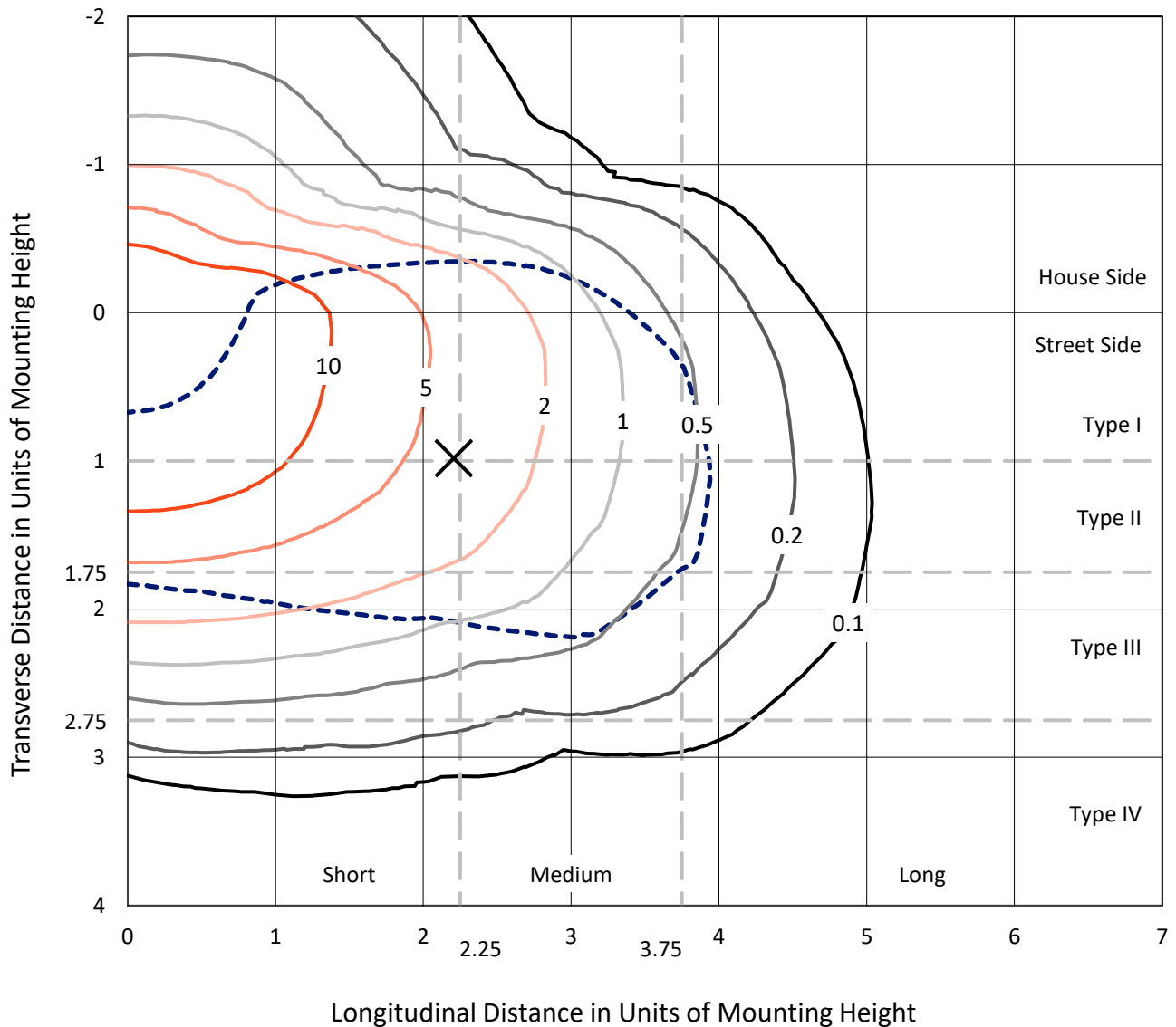
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

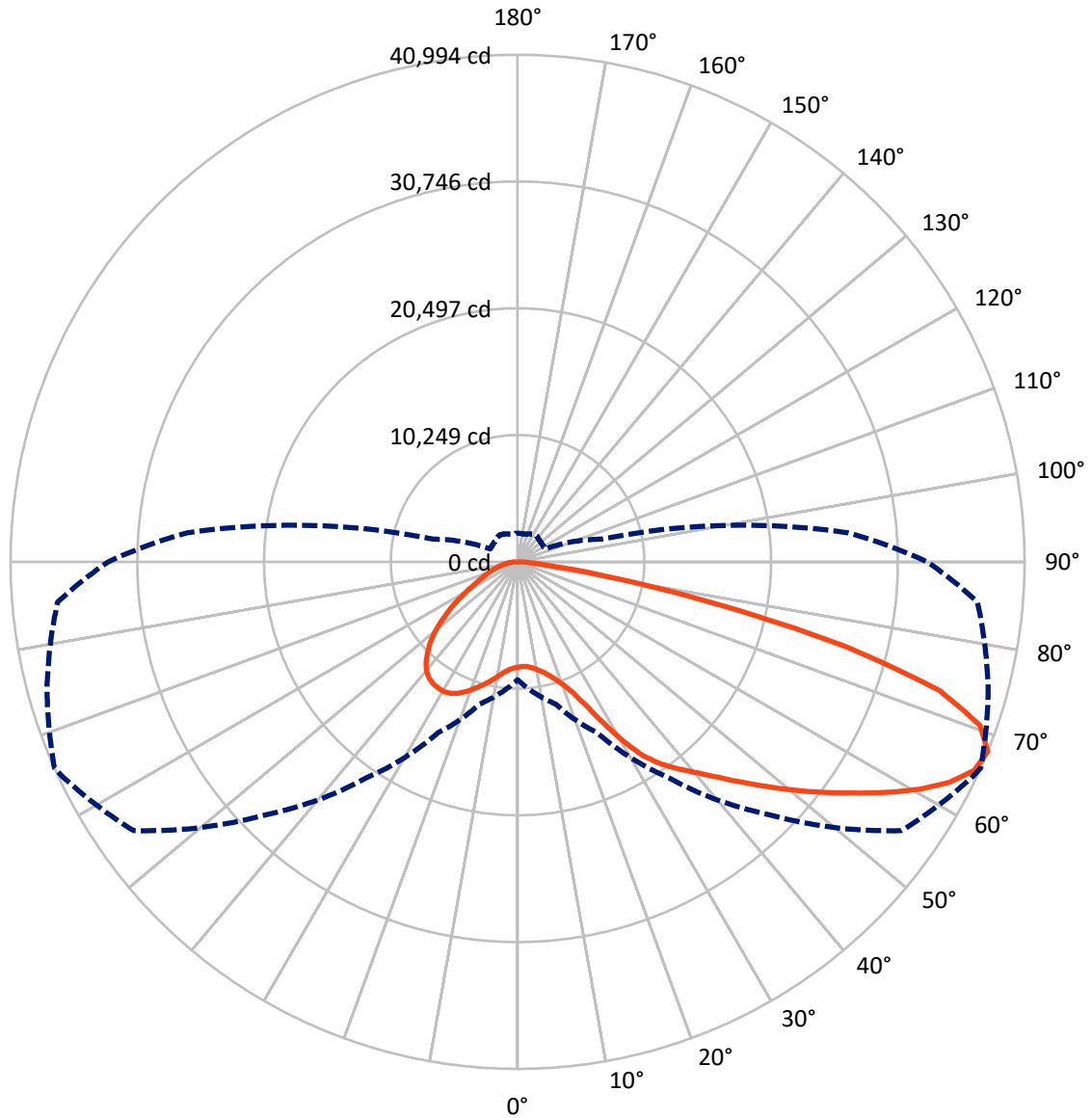
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19094.9	0.0	19094.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	57700.1	0.0	57700.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	76795.0	0.0	76795.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	844.5	1.1
10°-20°	2790.1	3.6
20°-30°	5377.7	7.0
30°-40°	9429.1	12.3
40°-50°	14017.9	18.3
50°-60°	17769.1	23.1
60°-70°	17386.6	22.6
70°-80°	8293.6	10.8
80°-90°	886.4	1.2
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°	76795.0	100.0
0°-180°	76795.0	100.0

Coefficient of Utilization

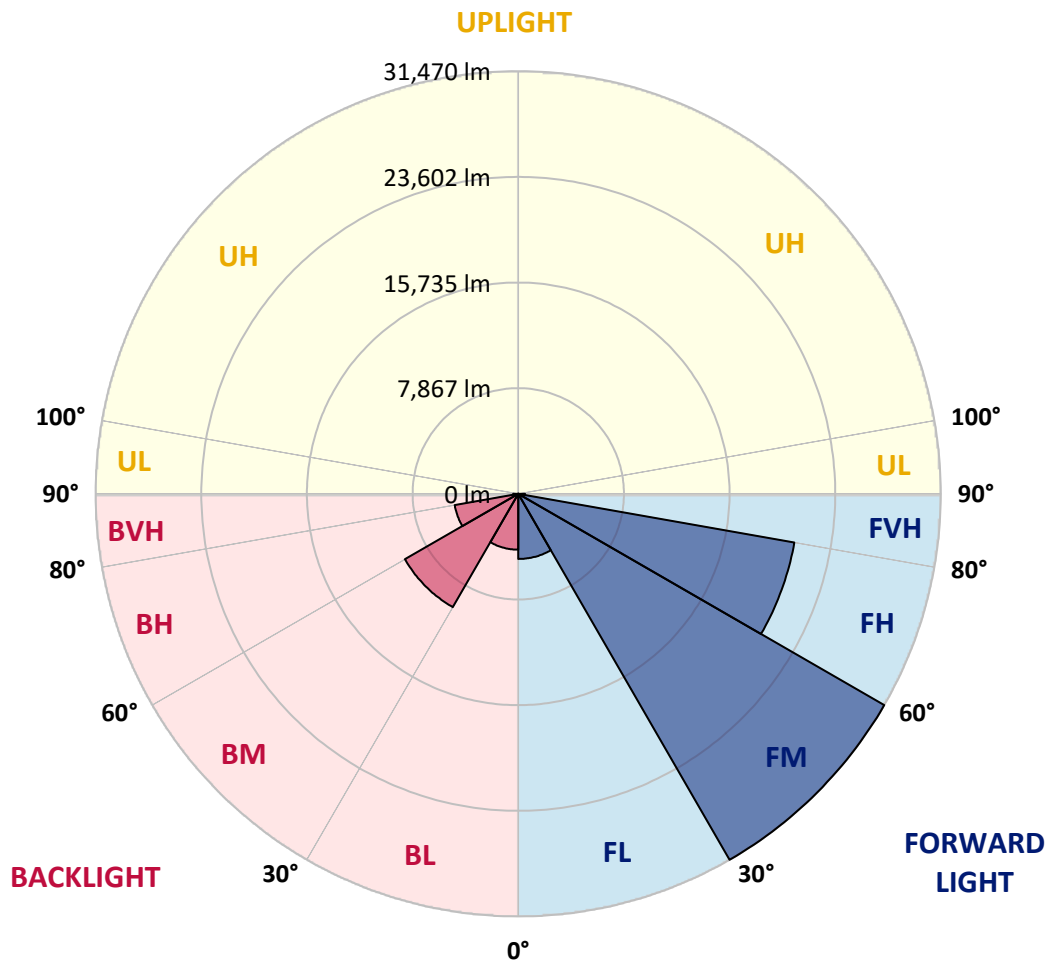


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4852.7	6.3			
FM (30°-60°)	31469.9	41.0			
FH (60°-80°)	20875.0	27.2			G5
FVH (80°-90°)	502.5	0.7			G4/750
BL (0°-30°)	4159.5	5.4	B4/5000		
BM (30°-60°)	9746.2	12.7	B5		
BH (60°-80°)	4805.3	6.3	B4/5000		G4/5000
BVH (80°-90°)	383.8	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6
2.5°	8428.8	8477.2	8465.1	8445.0	8440.9	8449.0	8461.1	8473.2	8469.2	8489.3
5°	8404.6	8453.0	8449.0	8449.0	8465.1	8497.4	8517.6	8537.8	8517.6	8541.8
7.5°	8420.7	8457.1	8473.2	8489.3	8529.7	8590.2	8638.6	8683.0	8658.8	8687.0
10°	8626.5	8654.8	8670.9	8670.9	8699.1	8767.7	8816.2	8896.9	8876.7	8921.1
12.5°	9001.8	9030.0	9030.0	9013.9	9034.0	9078.4	9094.6	9183.3	9147.0	9219.6
15°	9461.7	9518.2	9473.8	9445.6	9453.7	9498.1	9494.0	9562.6	9526.3	9586.8
17.5°	9970.1	10042.8	9970.1	9966.1	9950.0	9998.4	10002.4	10062.9	9998.4	10042.8
20°	10571.3	10672.2	10611.7	10631.8	10595.5	10615.7	10635.9	10724.6	10623.8	10656.1
22.5°	11418.6	11539.7	11475.1	11551.8	11527.6	11511.4	11507.4	11664.8	11507.4	11519.5
25°	12653.3	12798.6	12685.6	12790.5	12790.5	12842.9	12903.5	13105.2	12842.9	12766.3
27.5°	14477.1	14622.3	14400.4	14465.0	14444.8	14573.9	14509.3	15009.7	14727.2	14602.1
30°	16672.0	16930.3	16510.6	16494.5	16474.3	16680.1	16772.9	17103.8	16817.3	16692.2
32.5°	19044.5	19314.9	18814.5	18669.3	18592.6	18717.7	18641.0	18907.3	18709.6	18516.0
35°	21554.2	21820.5	21344.4	21061.9	20755.3	20493.0	20218.7	20287.3	20101.7	19807.1
37.5°	23926.7	24414.9	23910.6	23607.9	23043.1	22530.6	21764.0	21445.3	21271.8	21001.4
40°	26343.6	26622.0	26238.7	25980.4	25367.1	24564.2	23337.6	22663.8	22429.8	22167.5
42.5°	28122.9	28389.2	28183.5	28005.9	27525.8	26593.7	25008.0	24164.8	23825.8	23531.3
45°	29535.1	29732.9	29603.7	29668.3	29462.5	28558.7	26739.0	25774.7	25423.6	25064.5
47.5°	30104.1	30313.9	30519.6	30903.0	31254.0	30588.2	28599.1	27517.7	27146.5	26779.3
50°	30039.5	30253.3	30850.5	31665.5	32755.0	32533.0	30560.0	29373.7	29030.8	28611.2
52.5°	29523.0	29765.1	30531.8	31887.5	33622.5	33989.6	32557.3	31290.3	30967.5	30467.2
55°	28167.3	28312.6	29462.5	31383.1	33828.2	35006.4	34514.2	33331.9	33009.2	32311.1
57.5°	25653.6	25863.4	27537.9	30023.4	33311.8	35696.4	36233.0	35478.5	35167.8	34163.1
60°	22373.3	22708.2	24624.7	27739.6	31996.4	35692.3	37794.5	37588.7	37330.5	35986.9
62.5°	18661.2	19048.6	20892.5	24511.7	29696.5	34679.6	38770.9	39356.0	39222.8	37669.4
65°	14331.8	14598.1	16434.0	20335.7	26117.6	32504.8	38883.9	40562.4	40586.6	38948.5
67.5°	9542.4	10309.1	11902.8	15259.8	21324.2	28950.1	37891.3	40760.1	40994.1	39388.3
70°	4656.2	5664.9	7226.4	9917.7	15259.8	23499.0	35296.9	39138.1	39658.6	38105.2
72.5°	1932.7	2259.5	3110.9	4894.3	8759.7	15857.0	30083.9	34740.1	35704.4	33763.7
75°	1303.3	1412.2	1779.4	2509.7	3990.5	7819.6	21695.4	25903.8	27457.2	25500.3
77.5°	1004.7	1073.3	1295.2	1755.2	2372.5	2957.5	11612.3	15610.9	16413.8	15195.3
80°	790.8	843.3	968.4	1279.0	1682.5	1581.7	3958.2	7073.1	7537.1	6322.6
82.5°	685.9	706.1	694.0	867.5	1117.7	924.0	1299.2	2610.6	2880.9	2090.1
85°	496.3	552.8	577.0	536.6	593.1	468.0	532.6	924.0	1016.8	907.8
87.5°	201.7	298.6	367.2	347.0	217.9	133.2	165.4	270.3	310.7	338.9
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°
8517.6	0°	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6	8517.6
8521.6	2.5°	8525.7	8553.9	8574.1	8598.3	8614.4	8638.6	8687.0	8715.3	8719.3	8739.5
8586.2	5°	8602.3	8642.7	8687.0	8751.6	8824.2	8884.8	8977.6	9042.1	9066.3	9086.5
8743.5	7.5°	8767.7	8824.2	8904.9	9017.9	9122.8	9203.5	9316.5	9393.1	9469.8	9498.1
8993.7	10°	9013.9	9094.6	9211.6	9364.9	9477.9	9582.8	9699.8	9764.4	9841.0	9873.3
9292.3	12.5°	9320.5	9405.2	9558.6	9772.4	9877.3	9950.0	9990.3	9974.2	9990.3	10018.5
9651.4	15°	9671.5	9764.4	9937.8	10167.8	10240.5	10175.9	10087.1	10006.4	9994.3	10002.4
10087.1	17.5°	10087.1	10155.7	10357.5	10551.1	10498.7	10232.4	10038.7	9909.6	9845.0	9824.9
10643.9	20°	10668.2	10668.2	10833.6	10954.6	10603.6	10151.7	9849.1	9639.3	9506.1	9449.6
11402.5	22.5°	11374.3	11309.7	11414.6	11329.9	10583.4	9925.7	9506.1	9143.0	8941.2	8860.5
12463.7	25°	12270.0	12193.3	12165.1	11640.6	10438.2	9566.6	8884.8	8445.0	8267.4	8223.0
13992.9	27.5°	13621.7	13428.0	13060.8	11810.0	10171.9	9001.8	8158.5	7751.0	7650.1	7654.1
15957.9	30°	15421.2	15033.9	14134.1	11838.3	9736.1	8202.9	7416.1	7125.6	7077.1	7097.3
17608.1	32.5°	17087.6	16720.4	15231.6	11709.2	9066.3	7420.1	6750.3	6556.6	6484.0	6508.2
18867.0	35°	18394.9	18294.0	16248.4	11527.6	8243.2	6685.8	6153.2	5987.7	5846.5	5814.2
20053.2	37.5°	19629.6	19589.2	17011.0	11273.4	7428.2	6165.3	5673.0	5455.1	5249.3	5136.4
21364.6	40°	20985.3	20944.9	17511.3	10882.0	6705.9	5713.4	5241.3	4954.8	4700.6	4494.8
22849.4	42.5°	22510.5	22272.4	17749.3	10321.2	6092.6	5330.0	4890.2	4502.9	4168.0	3978.4
24527.9	45°	24176.9	23640.2	17745.3	9607.0	5576.2	4979.0	4515.0	3966.3	3655.6	3478.0
26250.8	47.5°	25944.1	24947.5	17527.4	8816.2	5075.8	4591.7	3934.0	3514.4	3308.6	3199.6
28122.9	50°	27767.9	26170.1	17156.2	7908.3	4563.4	4151.9	3570.8	3284.4	3127.0	3026.1
29979.0	52.5°	29482.7	27279.7	16708.3	6879.4	4042.9	3724.2	3409.5	3187.5	3022.1	2909.1
31778.5	55°	31076.5	28235.9	16074.9	5826.3	3619.3	3437.7	3332.8	3147.2	2957.5	2824.4
33606.3	57.5°	32492.7	28857.3	14981.4	4837.8	3316.7	3240.0	3252.1	3078.6	2860.7	2747.7
35405.9	60°	33670.9	29313.2	13363.4	3921.9	3070.5	3046.3	3127.0	2949.5	2695.3	2566.2
36927.0	62.5°	34377.0	29305.2	11378.3	3211.7	2860.7	2868.8	2961.6	2788.1	2529.9	2408.8
37721.9	65°	34316.4	28587.0	9199.5	2747.7	2659.0	2667.0	2788.1	2610.6	2392.7	2320.0
37322.4	67.5°	33102.0	26835.8	7057.0	2445.1	2437.1	2473.4	2614.6	2489.5	2307.9	2299.9
34941.9	70°	29813.5	23200.4	5083.9	2203.0	2207.1	2259.5	2445.1	2412.8	2263.6	2279.7
29377.8	72.5°	23906.5	17688.8	3413.5	1948.8	1952.9	2037.6	2283.7	2352.3	2219.2	2433.0
20844.1	75°	15921.5	11031.3	2195.0	1678.5	1682.5	1791.5	2142.5	2235.3	2098.1	2424.9
10845.7	77.5°	7650.1	4958.8	1589.7	1412.2	1412.2	1513.1	1852.0	2001.3	1787.4	1884.3
3486.1	80°	2642.8	1864.1	1250.8	1137.8	1113.6	1182.2	1561.5	1735.0	1541.3	1420.3
1137.8	82.5°	1041.0	968.4	1004.7	883.6	802.9	847.3	1214.5	1432.4	1133.8	1024.9
641.5	85°	597.2	629.4	710.1	585.1	464.0	520.5	891.7	1028.9	855.4	754.5
209.8	87.5°	161.4	221.9	326.8	302.6	209.8	221.9	423.7	568.9	492.3	379.3
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°
8517.6
8735.5
9082.5
9502.1
9889.4
10026.6
10030.7
9853.1
9437.5
8848.4
8231.1
7666.2
7165.9
6540.5
5838.4
5140.4
4515.0
3990.5
3470.0
3175.4
2989.8
2860.7
2771.9
2675.1
2509.7
2372.5
2316.0
2312.0
2275.7
2465.3
2445.1
1726.9
1331.5
1020.8
770.7
391.4
0.0

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