

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: P851493

Luminaire Tested: **GLAN-SB9C-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851493  
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-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 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: 65317 lumens  
Efficiency: N/A  
Efficacy: 145.2 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

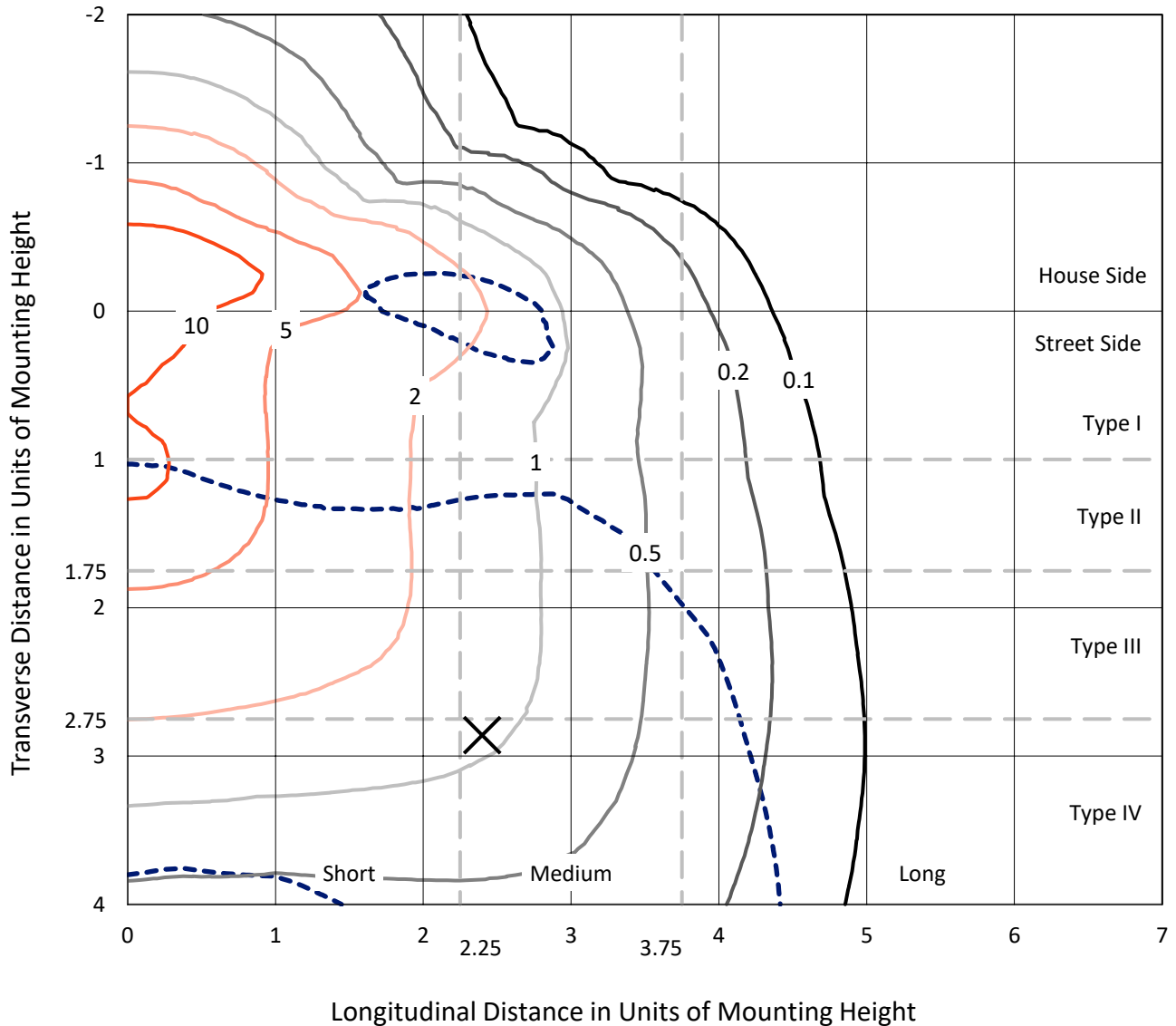
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

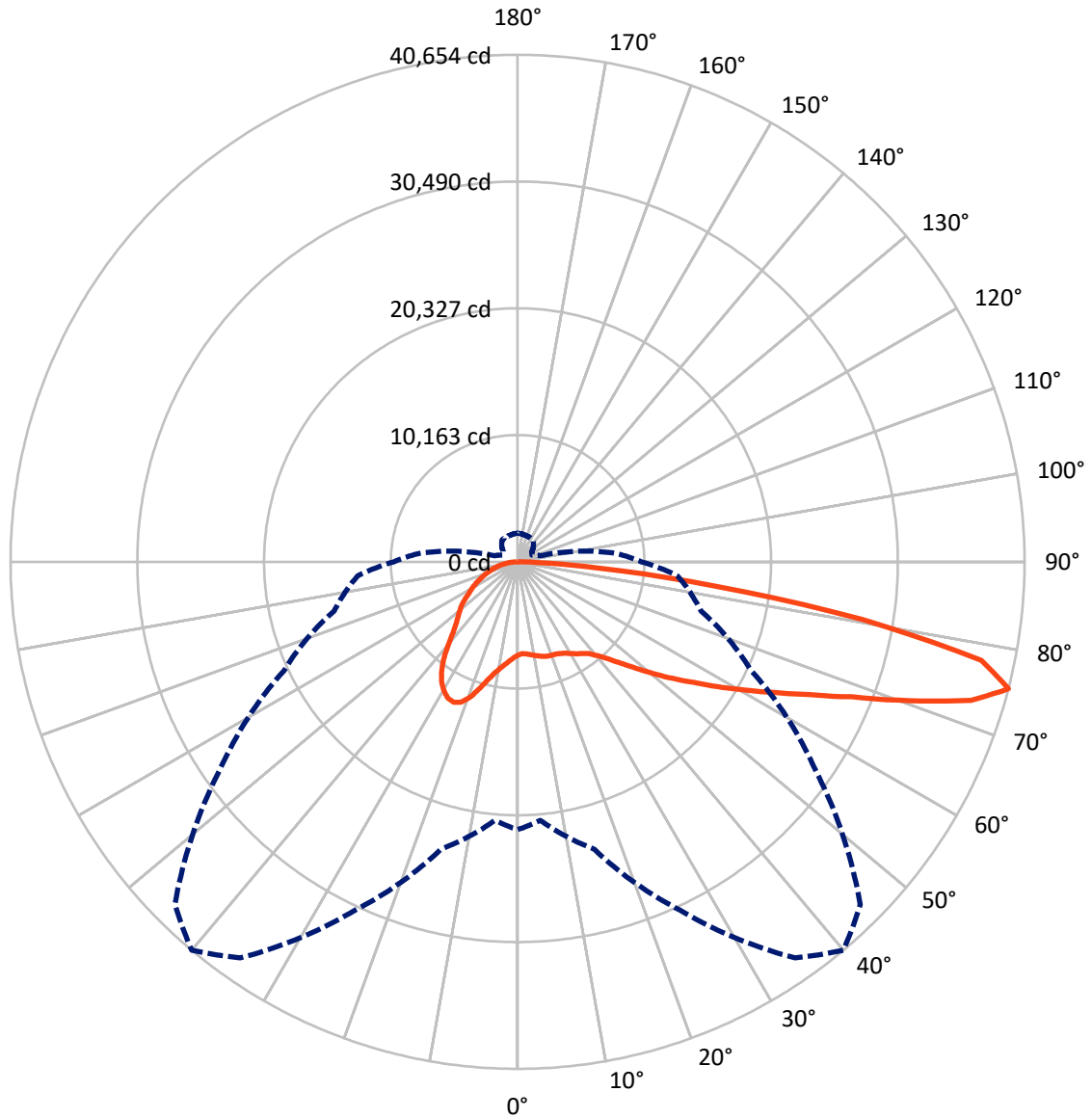
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 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
<b>House Side</b>	Lumens	20237.4	0.0	20237.4
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	45079.6	0.0	45079.6
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	65317.0	0.0	65317.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	745.6	1.1
10°-20°	2503.2	3.8
20°-30°	4570.6	7.0
30°-40°	6482.4	9.9
40°-50°	8753.1	13.4
50°-60°	11775.3	18.0
60°-70°	14945.6	22.9
70°-80°	13564.0	20.8
80°-90°	1977.2	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°	65317.0	100.0
0°-180°	65317.0	100.0

**Coefficient of Utilization**

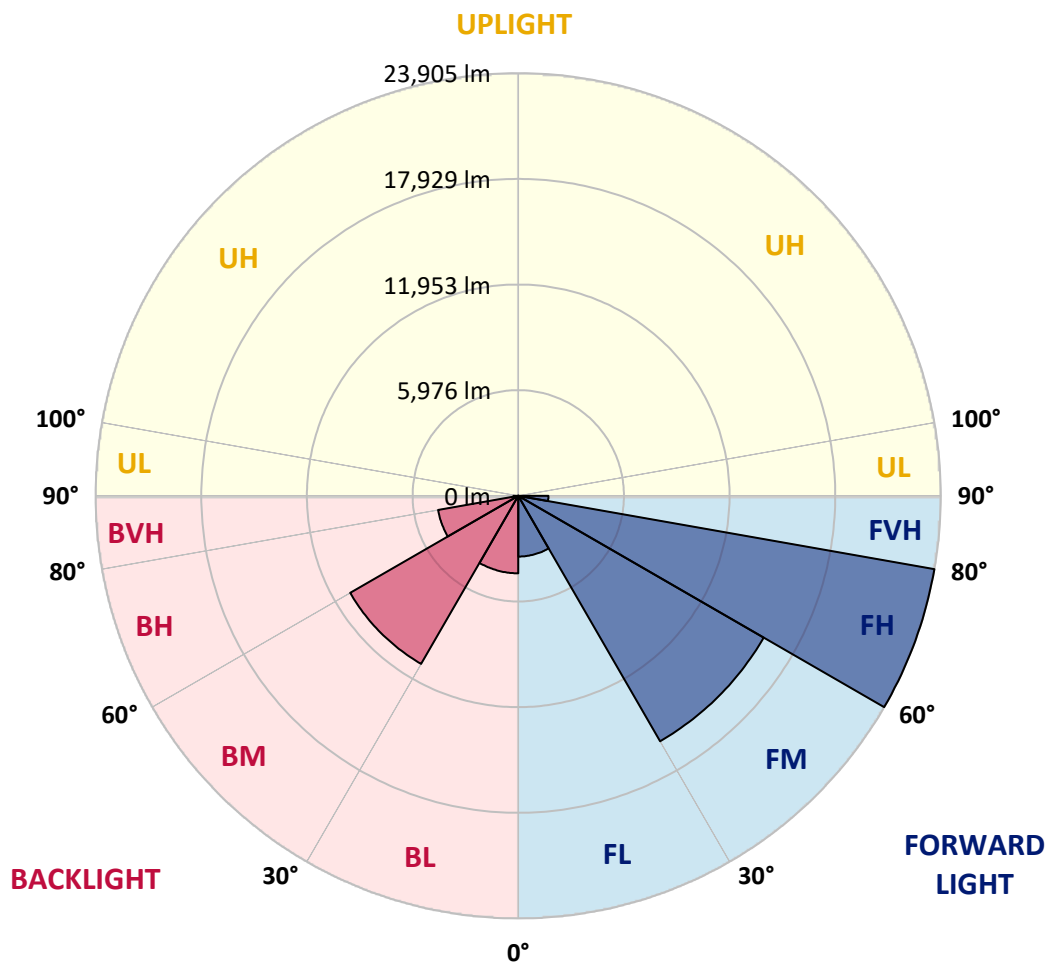


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3435.7	5.3			
FM (30°-60°)	16033.9	24.5			
FH (60°-80°)	23905.0	36.6			G5
FVH (80°-90°)	1705.0	2.6			G5
BL (0°-30°)	4383.6	6.7	B4/5000		
BM (30°-60°)	10977.0	16.8	B5		
BH (60°-80°)	4604.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	272.2	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°	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1
2.5°	7354.8	7396.3	7385.9	7372.1	7372.1	7375.5	7372.1	7396.3	7420.6	7444.8
5°	7431.0	7472.6	7451.8	7434.4	7420.6	7417.1	7406.7	7403.3	7417.1	7448.3
7.5°	7579.9	7621.5	7590.3	7559.2	7531.4	7517.6	7503.7	7482.9	7472.6	7489.9
10°	7746.2	7787.8	7749.7	7694.3	7649.2	7631.9	7618.1	7597.3	7583.4	7593.8
12.5°	7912.5	7954.1	7902.1	7825.9	7767.0	7756.6	7739.3	7732.4	7728.9	7725.4
15°	8068.4	8103.1	8037.2	7947.2	7884.8	7867.5	7850.2	7860.6	7877.9	7898.7
17.5°	8189.7	8224.3	8127.3	8009.5	7950.6	7943.7	7933.3	7967.9	8016.4	8068.4
20°	8300.5	8335.2	8210.5	8051.1	7981.8	7981.8	7985.3	8058.0	8127.3	8203.5
22.5°	8456.4	8484.1	8331.7	8113.5	8013.0	8019.9	8047.6	8120.4	8207.0	8310.9
25°	8688.5	8709.3	8522.2	8231.2	8116.9	8137.7	8162.0	8196.6	8279.7	8401.0
27.5°	9062.7	9080.0	8834.0	8439.1	8265.9	8300.5	8335.2	8310.9	8349.0	8453.0
30°	9589.3	9599.6	9287.9	8764.7	8518.8	8536.1	8543.0	8442.6	8369.8	8453.0
32.5°	10212.8	10209.4	9838.7	9159.7	8806.3	8789.0	8730.1	8532.6	8362.9	8435.6
35°	11179.4	11141.3	10663.2	9714.0	9132.0	9024.6	8886.0	8633.1	8397.5	8418.3
37.5°	12779.9	12662.1	12000.4	10621.6	9617.0	9343.3	9138.9	8795.9	8473.7	8411.4
40°	14584.8	14435.8	13708.3	11865.3	10344.5	9904.5	9575.4	9028.0	8598.5	8442.6
42.5°	16725.8	16514.4	15731.5	13330.7	11266.0	10628.6	10133.2	9322.5	8782.1	8543.0
45°	19355.2	19074.6	17966.0	14983.2	12426.5	11577.8	10916.1	9769.4	9062.7	8737.0
47.5°	22012.3	22081.6	20505.3	16874.7	13819.2	12748.7	11896.5	10441.5	9471.5	9048.8
50°	24835.8	24884.3	23030.8	18970.6	15398.9	14072.1	12998.1	11193.2	10039.6	9492.3
52.5°	27039.1	27046.0	25324.2	21163.6	17044.5	15527.1	14186.4	12052.4	10697.8	10081.2
55°	28417.9	28400.5	26931.7	23238.7	18936.0	17054.9	15502.9	13029.3	11501.6	10774.1
57.5°	29419.1	29367.1	28040.3	25022.8	20952.2	18859.8	16992.5	14137.9	12450.8	11598.6
60°	29800.1	29768.9	28792.0	26564.4	23072.4	20855.2	18710.8	15378.1	13528.2	12572.0
62.5°	29945.6	30004.5	29529.9	28057.6	25341.5	23065.5	20598.9	16860.9	14740.7	13673.7
65°	30458.4	30565.7	30468.7	30011.5	27905.1	25653.3	23103.6	18624.2	16064.1	14855.0
67.5°	31473.4	31580.8	31622.4	32349.9	31036.9	28878.6	26228.4	20820.6	17612.6	16081.4
70°	31449.1	31418.0	32152.4	34210.2	34958.5	33344.1	30441.0	23522.8	19459.1	17099.9
72.5°	28625.7	28376.3	30111.9	34189.4	38221.9	38007.1	35585.6	27007.9	21052.7	17224.6
75°	21475.4	20810.2	23876.1	30811.7	38765.8	40653.9	38855.9	29169.6	20675.1	15218.8
77.5°	9183.9	8515.3	12128.6	22809.1	34695.2	38003.7	35855.8	25448.9	16504.0	10063.9
80°	2404.2	2400.8	3665.3	10341.0	23595.5	28064.5	24621.0	16434.8	9429.9	3596.0
82.5°	994.3	970.0	1347.6	4022.1	11529.3	15748.8	12852.6	7330.5	3405.4	973.5
85°	370.7	367.2	654.8	1389.2	4067.1	6495.6	4701.1	1874.2	848.8	474.6
87.5°	103.9	100.5	142.0	481.5	990.8	1503.5	803.7	308.3	239.0	187.1
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°
7469.1	0°	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1	7469.1
7482.9	2.5°	7493.3	7510.7	7541.8	7566.1	7597.3	7631.9	7680.4	7711.6	7742.8	7763.6
7500.3	5°	7524.5	7562.6	7642.3	7722.0	7815.5	7902.1	8002.6	8075.3	8134.2	8151.6
7562.6	7.5°	7593.8	7656.2	7791.3	7926.4	8075.3	8217.4	8362.9	8487.6	8588.1	8626.2
7673.5	10°	7715.1	7798.2	7988.7	8179.3	8376.7	8595.0	8782.1	8962.2	9104.2	9163.1
7805.1	12.5°	7867.5	7971.4	8220.8	8484.1	8757.8	9059.2	9301.7	9523.4	9700.1	9779.8
7988.7	15°	8064.9	8200.1	8518.8	8872.1	9274.0	9693.2	10001.5	10247.5	10444.9	10541.9
8179.3	17.5°	8279.7	8459.9	8861.7	9395.3	9970.3	10521.2	10881.4	11061.6	11266.0	11359.5
8356.0	20°	8487.6	8709.3	9284.4	10060.4	10826.0	11411.5	11702.5	11751.0	11764.8	11775.2
8522.2	22.5°	8702.4	9000.3	9814.4	10898.8	11719.8	12125.1	12166.7	11958.9	11667.8	11532.7
8685.1	25°	8938.0	9332.9	10507.3	11823.7	12488.9	12537.4	12218.7	11712.9	11162.1	10909.2
8816.7	27.5°	9166.6	9717.4	11338.7	12707.1	13043.2	12617.1	11931.1	11214.0	10548.9	10282.1
8910.2	30°	9395.3	10157.4	12256.8	13479.7	13296.1	12419.6	11477.3	10677.1	10008.4	9727.8
8993.4	32.5°	9627.4	10670.1	13313.4	14037.4	13251.0	12000.4	10912.6	10074.3	9485.3	9190.9
9066.1	35°	9890.6	11300.6	14314.6	14342.3	12949.6	11383.8	10167.8	9353.7	8841.0	8605.4
9152.7	37.5°	10233.6	12100.9	15198.0	14418.5	12423.1	10479.6	9242.8	8501.5	8078.8	7971.4
9280.9	40°	10659.7	13064.0	15873.5	14297.3	11643.6	9381.4	8231.2	7638.8	7399.8	7424.0
9454.1	42.5°	11214.0	14141.4	16348.2	13985.5	10559.3	8248.6	7344.4	7081.1	7195.4	7292.4
9714.0	45°	11934.6	15260.4	16642.6	13455.4	9332.9	7288.9	6821.3	6883.6	6970.2	6980.6
10133.2	47.5°	12856.1	16393.2	16836.6	12655.2	8082.3	6613.4	6488.7	6502.5	6485.2	6412.5
10760.2	50°	14006.3	17494.8	17009.8	11595.1	7018.7	6190.7	6024.5	5976.0	5736.9	5501.3
11595.1	52.5°	15315.8	18506.4	17082.6	10278.7	6190.7	5837.4	5567.2	5262.3	4815.4	4742.7
12644.8	55°	16770.8	19441.8	16895.5	8660.8	5494.4	5383.6	4974.8	4607.6	4559.1	4496.7
14027.1	57.5°	18509.9	20449.9	16514.4	6855.9	4780.8	4853.5	4455.1	4496.7	4410.1	4313.1
15804.3	60°	20411.8	21492.7	15845.8	5210.3	4042.9	4191.8	4320.0	4316.5	4292.3	4212.6
17678.5	62.5°	22123.2	22178.6	14529.4	3990.9	3395.0	3679.1	4029.0	4025.5	4004.8	3959.7
19635.8	65°	23141.7	22074.7	12333.0	3142.1	2861.5	3256.5	3634.1	3661.8	3665.3	3661.8
21108.1	67.5°	22961.6	20858.7	9319.0	2501.2	2421.6	2826.9	3242.6	3280.7	3308.4	3315.4
21295.2	70°	20924.5	18187.7	6076.4	1995.5	2030.1	2449.3	2871.9	2910.0	2934.3	2962.0
18478.7	72.5°	16310.0	13372.3	3478.2	1614.4	1687.1	2123.6	2504.7	2549.7	2563.6	2615.6
12859.6	75°	9939.2	7864.0	1877.7	1271.4	1385.7	1815.3	2141.0	2192.9	2217.2	2279.5
6315.5	77.5°	4725.3	3405.4	1070.5	990.8	1115.5	1482.7	1808.4	1867.3	1801.4	1836.1
1742.6	80°	1597.1	1264.5	675.5	755.2	852.2	1157.1	1448.1	1507.0	1368.4	1361.5
578.5	82.5°	557.8	512.7	429.6	502.3	550.8	828.0	1094.7	1170.9	1018.5	1015.0
259.8	85°	218.3	207.9	239.0	273.7	329.1	509.3	720.6	758.7	627.0	505.8
76.2	87.5°	45.0	48.5	58.9	62.4	100.5	176.7	259.8	318.7	252.9	214.8
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°
7469.1
7749.7
8158.5
8629.6
9166.6
9779.8
10535.0
11356.1
11803.0
11570.8
10947.3
10313.3
9759.0
9229.0
8657.3
8047.6
7507.2
7382.5
7049.9
6467.9
5532.5
4766.9
4507.1
4295.8
4184.9
3942.4
3661.8
3322.3
2975.9
2636.4
2286.5
1808.4
1347.6
966.5
498.9
197.5
0.0

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