

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: P851328

Luminaire Tested: **GLAN-SB9B-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851328  
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-SB9B-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49578 lumens  
Efficiency: N/A  
Efficacy: 150.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G5

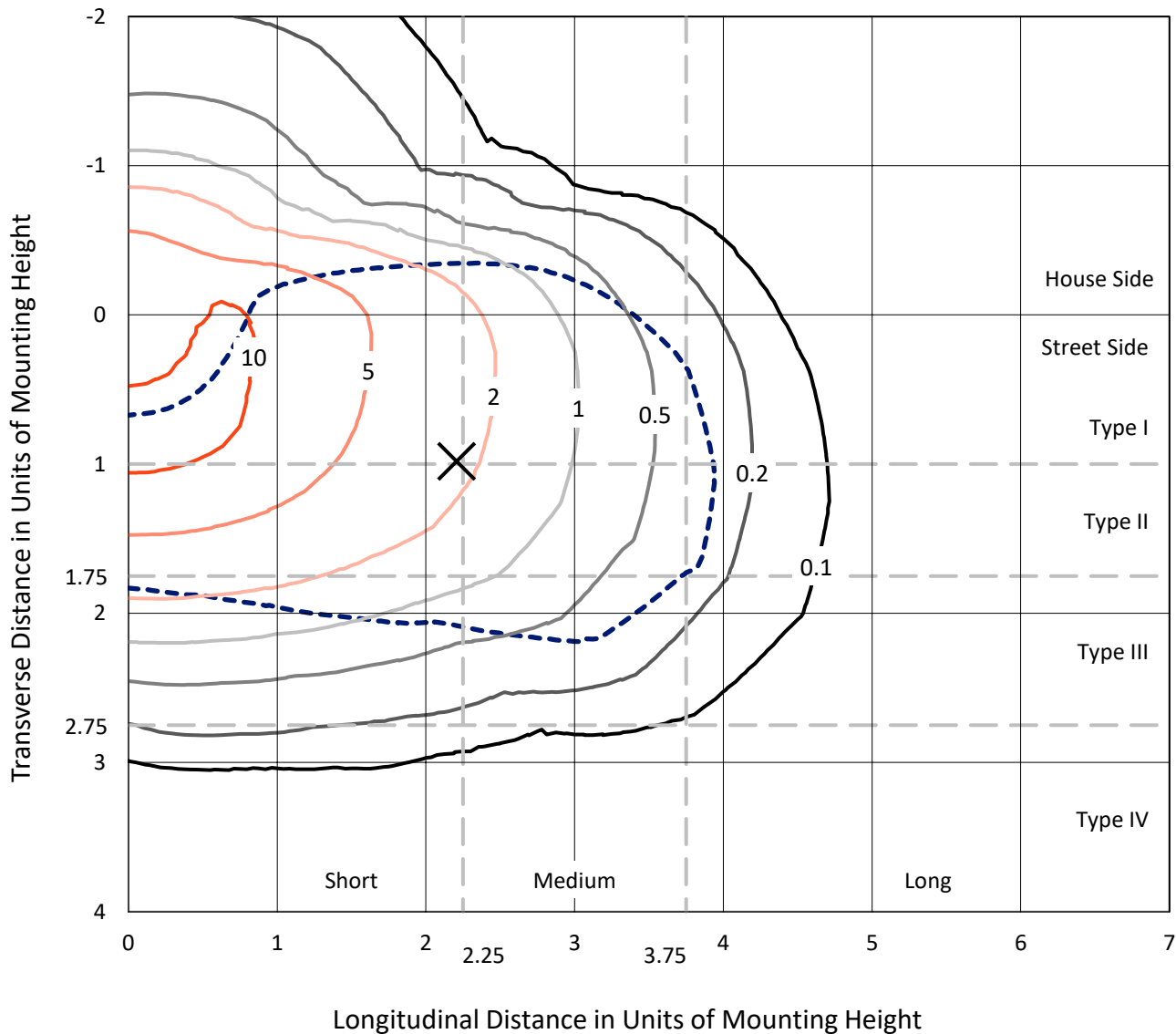
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

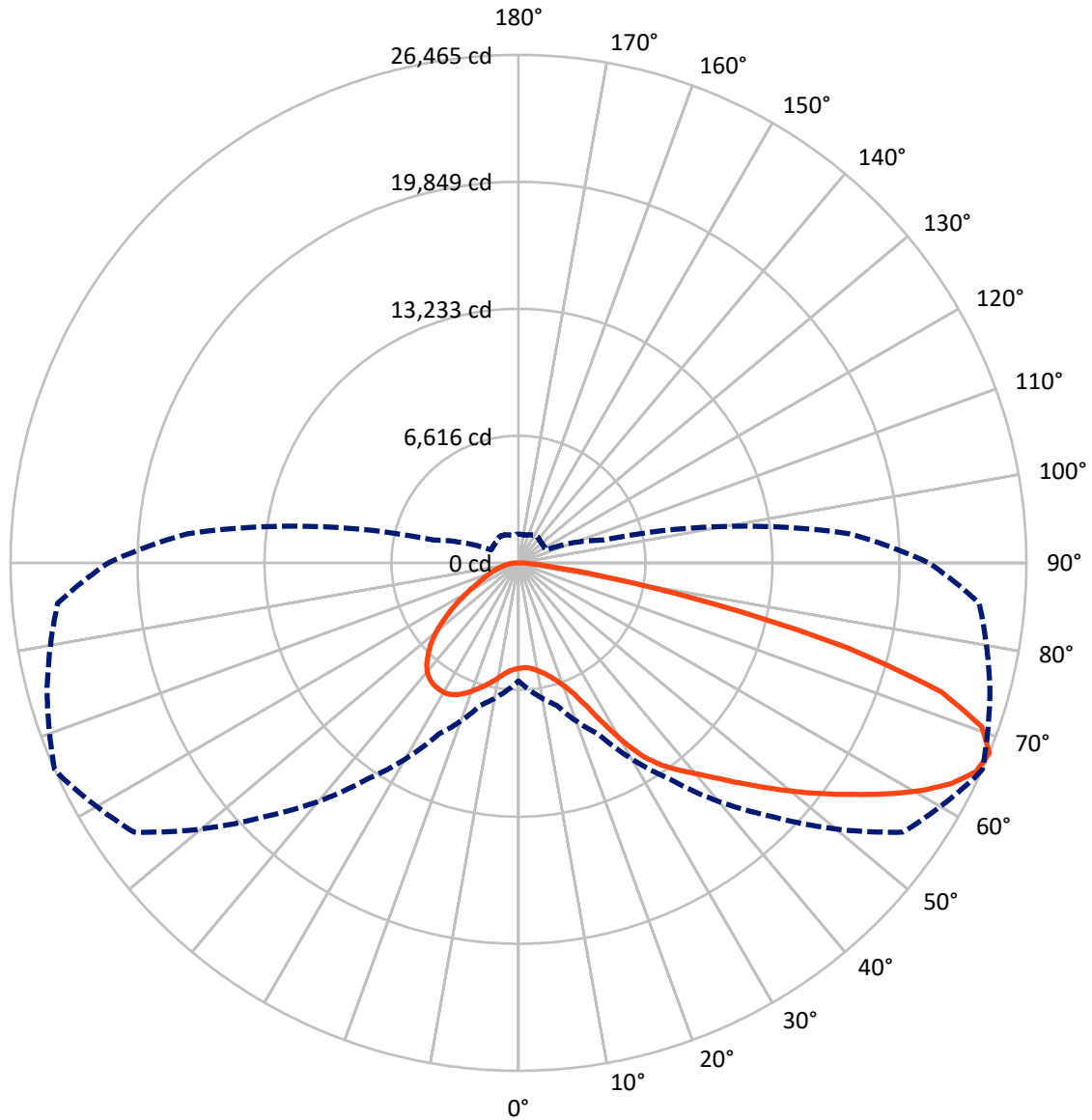
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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
<b>House Side</b>	Lumens	12327.4	0.0	12327.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	37250.6	0.0	37250.6
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	49578.0	0.0	49578.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	545.2	1.1
10°-20°	1801.2	3.6
20°-30°	3471.8	7.0
30°-40°	6087.3	12.3
40°-50°	9049.8	18.3
50°-60°	11471.5	23.1
60°-70°	11224.6	22.6
70°-80°	5354.3	10.8
80°-90°	572.2	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°	49578.0	100.0
0°-180°	49578.0	100.0

**Coefficient of Utilization**

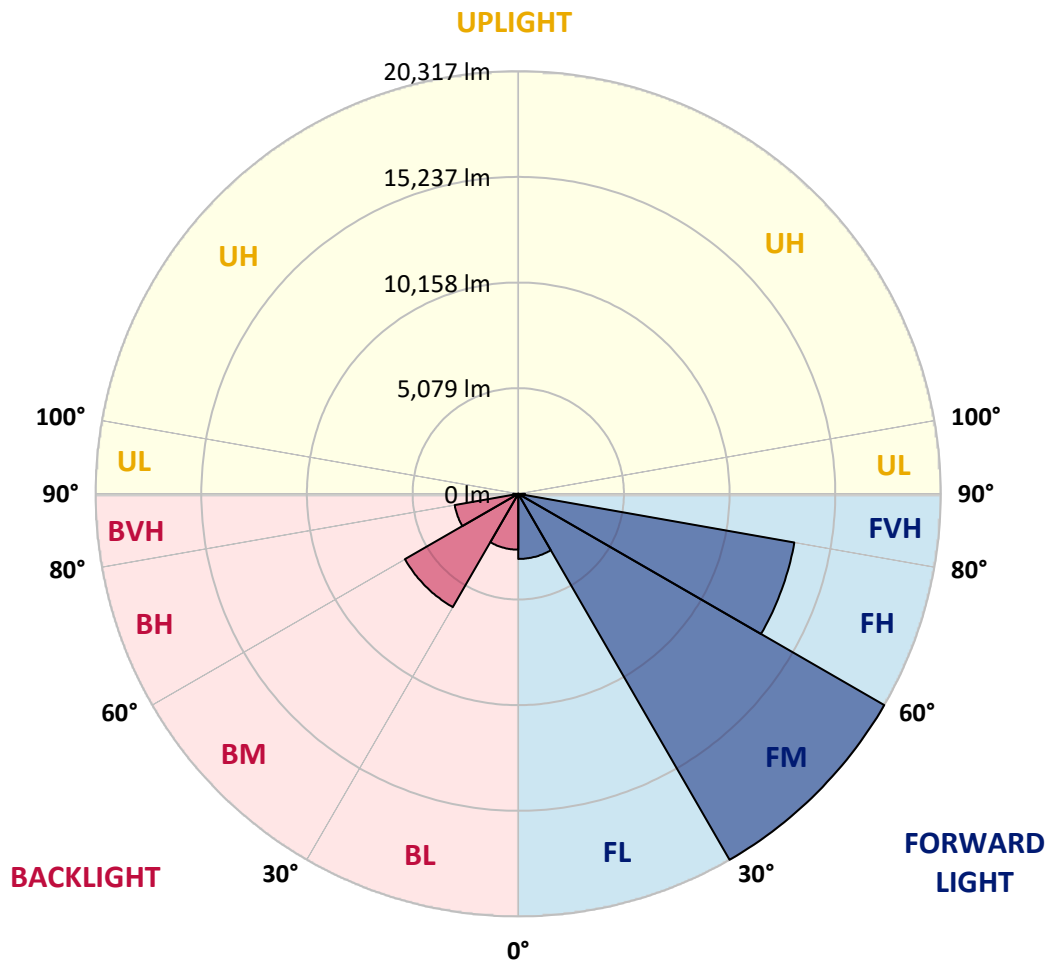


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3132.8	6.3			
FM (30°-60°)	20316.6	41.0			
FH (60°-80°)	13476.7	27.2			G5
FVH (80°-90°)	324.4	0.7			G3/500
BL (0°-30°)	2685.4	5.4	B4/5000		
BM (30°-60°)	6292.1	12.7	B4/8500		
BH (60°-80°)	3102.2	6.3	B4/5000		G4/5000
BVH (80°-90°)	247.8	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9
2.5°	5441.5	5472.8	5465.0	5452.0	5449.4	5454.6	5462.4	5470.2	5467.6	5480.6
5°	5425.9	5457.2	5454.6	5454.6	5465.0	5485.8	5498.9	5511.9	5498.9	5514.5
7.5°	5436.3	5459.8	5470.2	5480.6	5506.7	5545.7	5577.0	5605.7	5590.0	5608.3
10°	5569.2	5587.4	5597.8	5597.8	5616.1	5660.4	5691.6	5743.7	5730.7	5759.3
12.5°	5811.4	5829.7	5829.7	5819.3	5832.3	5860.9	5871.4	5928.7	5905.2	5952.1
15°	6108.4	6144.9	6116.2	6098.0	6103.2	6131.8	6129.2	6173.5	6150.1	6189.1
17.5°	6436.6	6483.5	6436.6	6434.0	6423.6	6454.8	6457.4	6496.5	6454.8	6483.5
20°	6824.7	6889.8	6850.8	6863.8	6840.4	6853.4	6866.4	6923.7	6858.6	6879.4
22.5°	7371.7	7449.9	7408.2	7457.7	7442.1	7431.7	7429.1	7530.6	7429.1	7436.9
25°	8168.8	8262.6	8189.7	8257.4	8257.4	8291.3	8330.3	8460.6	8291.3	8241.8
27.5°	9346.2	9440.0	9296.7	9338.4	9325.4	9408.7	9367.1	9690.1	9507.7	9427.0
30°	10763.3	10930.0	10659.1	10648.7	10635.6	10768.5	10828.4	11042.0	10857.0	10776.3
32.5°	12294.9	12469.5	12146.5	12052.7	12003.2	12083.9	12034.4	12206.4	12078.7	11953.7
35°	13915.2	14087.1	13779.7	13597.4	13399.4	13230.1	13052.9	13097.2	12977.4	12787.2
37.5°	15446.8	15762.0	15436.4	15241.0	14876.3	14545.5	14050.6	13844.8	13732.8	13558.3
40°	17007.1	17186.9	16939.4	16772.7	16376.7	15858.4	15066.5	14631.5	14480.4	14311.1
42.5°	18155.9	18327.8	18194.9	18080.3	17770.3	17168.6	16144.9	15600.5	15381.7	15191.5
45°	19067.6	19195.2	19111.8	19153.5	19020.7	18437.2	17262.4	16639.8	16413.2	16181.4
47.5°	19434.8	19570.3	19703.1	19950.6	20177.2	19747.4	18463.2	17765.1	17525.5	17288.4
50°	19393.2	19531.2	19916.7	20442.9	21146.2	21003.0	19729.2	18963.4	18742.0	18471.0
52.5°	19059.7	19216.0	19711.0	20586.2	21706.3	21943.3	21018.6	20200.7	19992.3	19669.3
55°	18184.5	18278.3	19020.7	20260.6	21839.1	22599.7	22282.0	21518.7	21310.3	20859.7
57.5°	16561.7	16697.1	17778.2	19382.7	21505.7	23045.2	23391.6	22904.5	22703.9	22055.3
60°	14443.9	14660.1	15897.4	17908.4	20656.5	23042.6	24399.7	24266.9	24100.1	23232.7
62.5°	12047.5	12297.5	13488.0	15824.5	19171.8	22388.8	25030.1	25407.8	25321.8	24319.0
65°	9252.5	9424.4	10609.6	13128.5	16861.2	20984.7	25103.0	26186.6	26202.3	25144.7
67.5°	6160.5	6655.4	7684.3	9851.6	13766.7	18689.9	24462.2	26314.3	26465.4	25428.6
70°	3006.0	3657.2	4665.3	6402.7	9851.6	15170.7	22787.3	25267.1	25603.2	24600.3
72.5°	1247.7	1458.7	2008.3	3159.7	5655.1	10237.1	19421.8	22427.8	23050.4	21797.5
75°	841.4	911.7	1148.7	1620.2	2576.2	5048.2	14006.3	16723.2	17726.1	16462.7
77.5°	648.6	692.9	836.2	1133.1	1531.7	1909.4	7496.8	10078.2	10596.6	9809.9
80°	510.6	544.4	625.2	825.7	1086.2	1021.1	2555.4	4566.3	4865.9	4081.8
82.5°	442.8	455.9	448.0	560.0	721.5	596.5	838.8	1685.3	1859.9	1349.3
85°	320.4	356.9	372.5	346.4	382.9	302.2	343.8	596.5	656.4	586.1
87.5°	130.2	192.8	237.0	224.0	140.7	86.0	106.8	174.5	200.6	218.8
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°
5498.9	0°	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9	5498.9
5501.5	2.5°	5504.1	5522.3	5535.3	5551.0	5561.4	5577.0	5608.3	5626.5	5629.1	5642.1
5543.1	5°	5553.6	5579.6	5608.3	5649.9	5696.8	5735.9	5795.8	5837.5	5853.1	5866.1
5644.7	7.5°	5660.4	5696.8	5748.9	5821.9	5889.6	5941.7	6014.6	6064.1	6113.6	6131.8
5806.2	10°	5819.3	5871.4	5946.9	6045.9	6118.8	6186.5	6262.1	6303.8	6353.2	6374.1
5999.0	12.5°	6017.2	6071.9	6170.9	6309.0	6376.7	6423.6	6449.6	6439.2	6449.6	6467.9
6230.8	15°	6243.8	6303.8	6415.8	6564.2	6611.1	6569.5	6512.1	6460.0	6452.2	6457.4
6512.1	17.5°	6512.1	6556.4	6686.7	6811.7	6777.8	6605.9	6480.9	6397.5	6355.9	6342.8
6871.6	20°	6887.2	6887.2	6994.0	7072.2	6845.6	6553.8	6358.5	6223.0	6137.0	6100.6
7361.3	22.5°	7343.1	7301.4	7369.1	7314.4	6832.5	6408.0	6137.0	5902.6	5772.4	5720.3
8046.4	25°	7921.4	7871.9	7853.6	7515.0	6738.8	6176.1	5735.9	5452.0	5337.4	5308.7
9033.6	27.5°	8794.0	8669.0	8431.9	7624.4	6566.8	5811.4	5267.0	5003.9	4938.8	4941.4
10302.2	30°	9955.8	9705.7	9124.8	7642.7	6285.5	5295.7	4787.7	4600.2	4568.9	4581.9
11367.6	32.5°	11031.6	10794.5	9833.3	7559.3	5853.1	4790.3	4357.9	4232.9	4186.0	4201.6
12180.3	35°	11875.5	11810.4	10489.8	7442.1	5321.7	4316.2	3972.4	3865.6	3774.4	3753.6
12946.1	37.5°	12672.6	12646.6	10982.1	7278.0	4795.5	3980.2	3662.4	3521.8	3388.9	3316.0
13792.7	40°	13547.9	13521.8	11305.1	7025.3	4329.3	3688.5	3383.7	3198.8	3034.7	2901.8
14751.3	42.5°	14532.5	14378.8	11458.8	6663.2	3933.3	3441.0	3157.1	2907.0	2690.8	2568.4
15834.9	45°	15608.3	15261.9	11456.2	6202.2	3599.9	3214.4	2914.8	2560.6	2360.0	2245.4
16947.2	47.5°	16749.2	16105.8	11315.5	5691.6	3276.9	2964.3	2539.7	2268.8	2136.0	2065.7
18155.9	50°	17926.6	16895.1	11075.9	5105.5	2946.1	2680.4	2305.3	2120.4	2018.8	1953.6
19354.1	52.5°	19033.7	17611.4	10786.7	4441.3	2610.1	2404.3	2201.1	2057.8	1951.0	1878.1
20515.9	55°	20062.6	18228.8	10377.8	3761.4	2336.6	2219.3	2151.6	2031.8	1909.4	1823.4
21695.9	57.5°	20976.9	18629.9	9671.8	3123.2	2141.2	2091.7	2099.5	1987.5	1846.8	1773.9
22857.6	60°	21737.5	18924.3	8627.3	2531.9	1982.3	1966.7	2018.8	1904.2	1740.0	1656.7
23839.7	62.5°	22193.4	18919.1	7345.7	2073.5	1846.8	1852.1	1912.0	1800.0	1633.2	1555.1
24352.8	65°	22154.3	18455.4	5939.1	1773.9	1716.6	1721.8	1800.0	1685.3	1544.7	1497.8
24094.9	67.5°	21370.3	17324.9	4555.9	1578.5	1573.3	1596.8	1687.9	1607.2	1490.0	1484.8
22558.1	70°	19247.3	14977.9	3282.1	1422.3	1424.9	1458.7	1578.5	1557.7	1461.3	1471.7
18966.0	72.5°	15433.8	11419.7	2203.7	1258.1	1260.8	1315.5	1474.3	1518.6	1432.7	1570.7
13456.7	75°	10278.8	7121.7	1417.0	1083.6	1086.2	1156.6	1383.2	1443.1	1354.5	1565.5
7001.9	77.5°	4938.8	3201.4	1026.3	911.7	911.7	976.8	1195.6	1292.0	1154.0	1216.5
2250.6	80°	1706.2	1203.4	807.5	734.6	718.9	763.2	1008.1	1120.1	995.1	916.9
734.6	82.5°	672.1	625.2	648.6	570.5	518.4	547.0	784.1	924.7	732.0	661.6
414.2	85°	385.5	406.4	458.5	377.7	299.6	336.0	575.7	664.2	552.2	487.1
135.5	87.5°	104.2	143.3	211.0	195.4	135.5	143.3	273.5	367.3	317.8	244.9
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°
5498.9
5639.5
5863.5
6134.4
6384.5
6473.1
6475.7
6361.1
6092.8
5712.5
5313.9
4949.2
4626.2
4222.5
3769.2
3318.6
2914.8
2576.2
2240.2
2050.0
1930.2
1846.8
1789.5
1727.0
1620.2
1531.7
1495.2
1492.6
1469.1
1591.6
1578.5
1114.9
859.6
659.0
497.5
252.7
0.0

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