

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: P850798

Luminaire Tested: **GLAN-SB8C-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850798
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-SB8C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 47387 lumens
Efficiency: N/A
Efficacy: 118.5 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

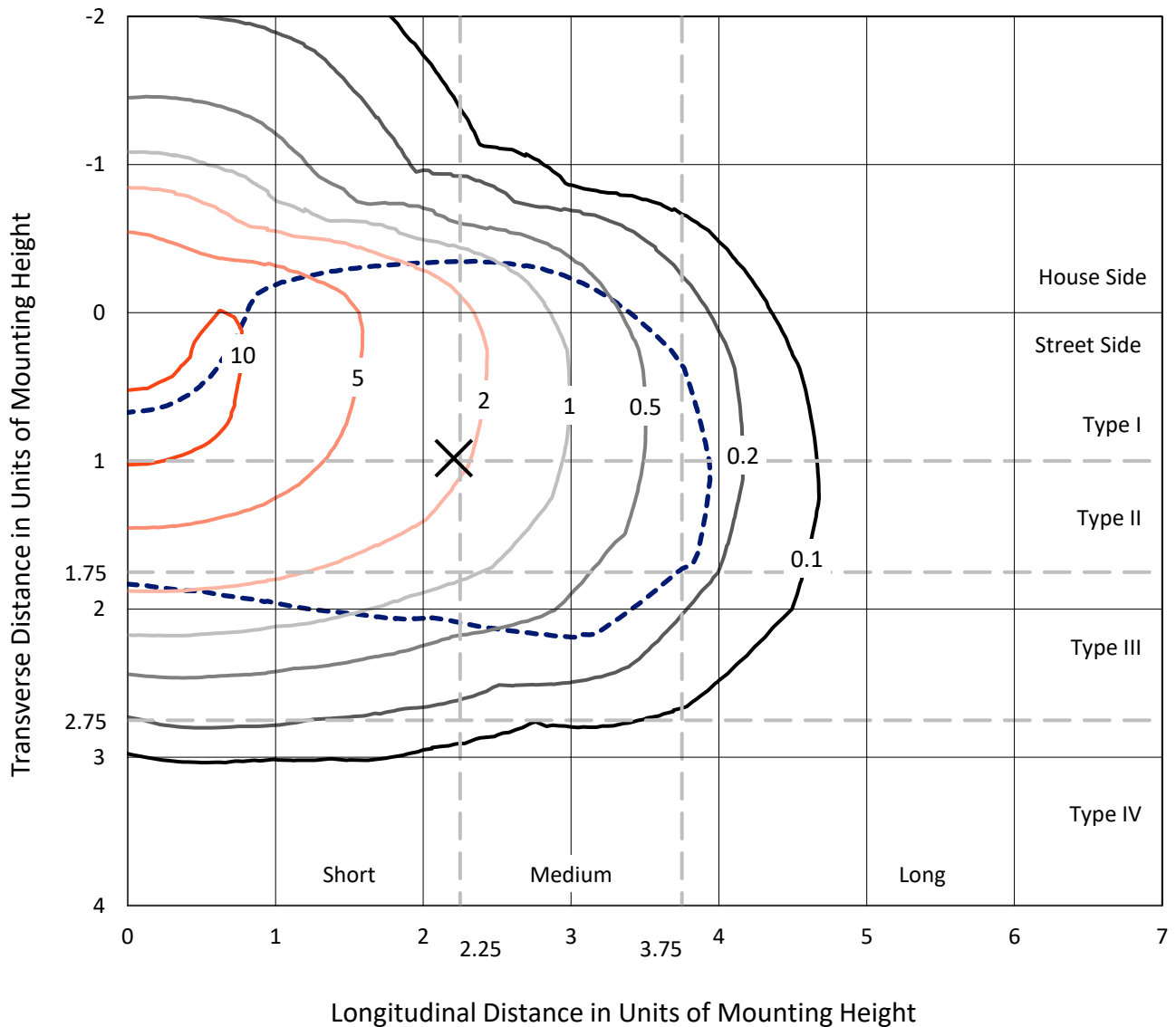
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

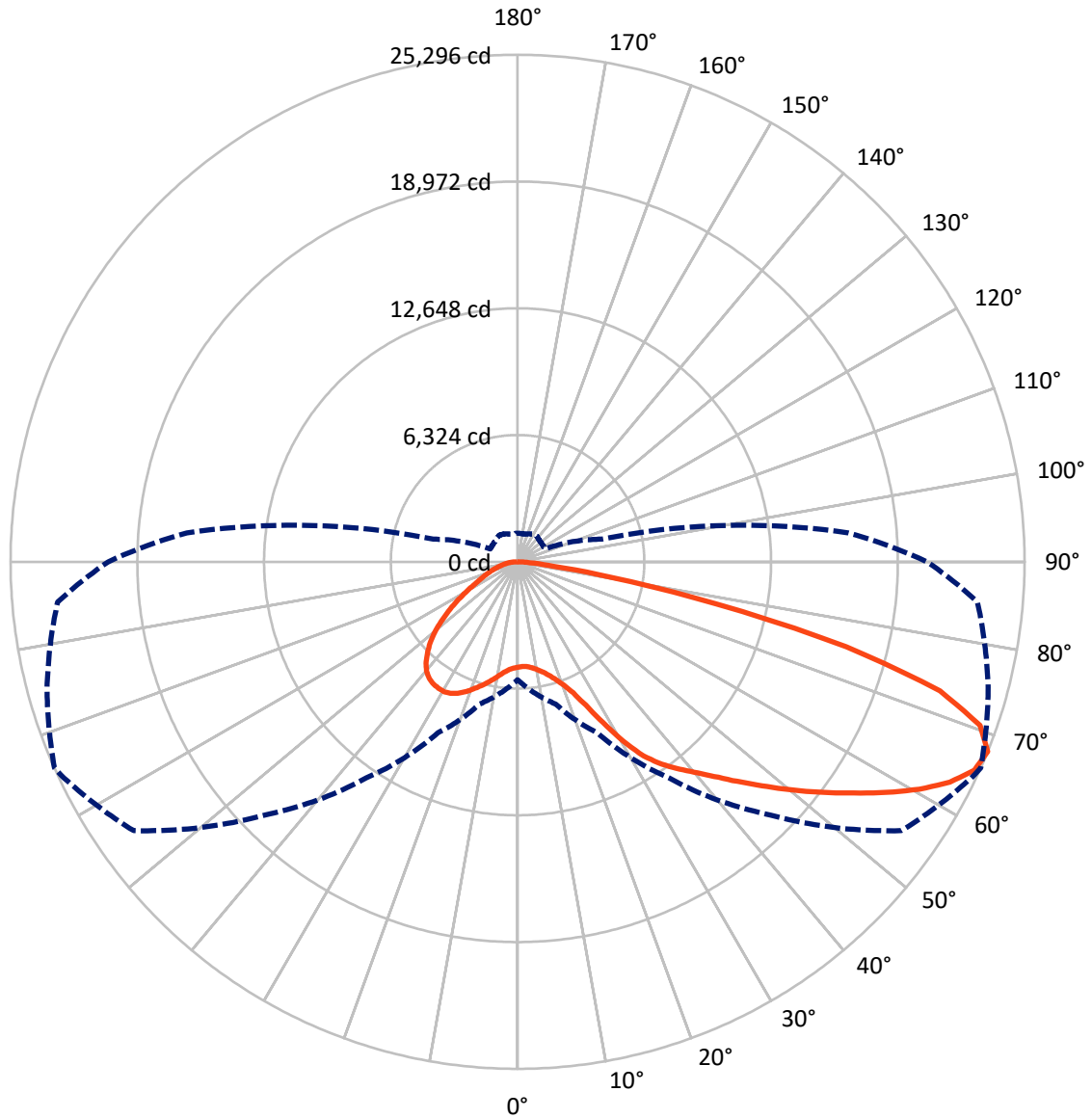
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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	11782.6	0.0	11782.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	35604.4	0.0	35604.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	47387.0	0.0	47387.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.1	1.1
10°-20°	1721.6	3.6
20°-30°	3318.4	7.0
30°-40°	5818.3	12.3
40°-50°	8649.9	18.3
50°-60°	10964.6	23.1
60°-70°	10728.6	22.6
70°-80°	5117.6	10.8
80°-90°	546.9	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°	47387.0	100.0
0°-180°	47387.0	100.0

Coefficient of Utilization



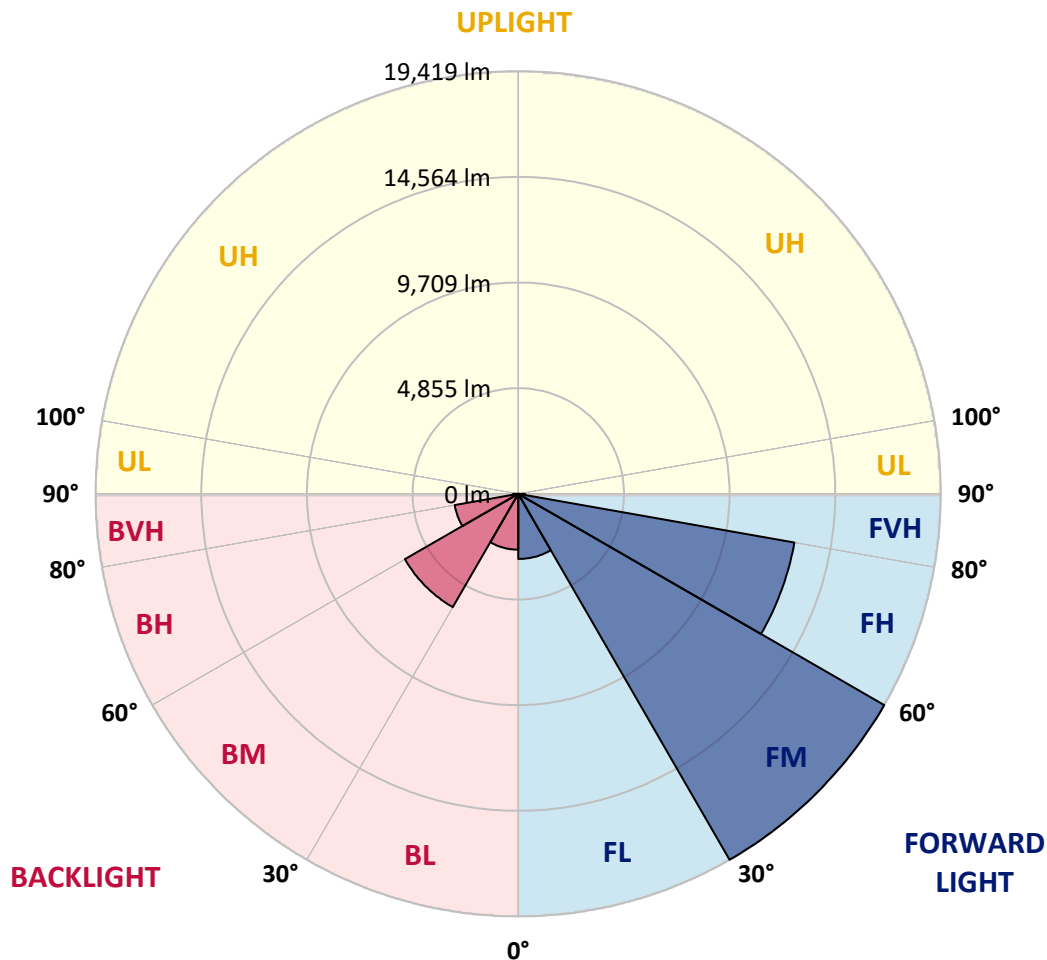
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2994.4	6.3			
FM (30°-60°)	19418.8	41.0			
FH (60°-80°)	12881.1	27.2			G5
FVH (80°-90°)	310.1	0.7			G3/500
BL (0°-30°)	2566.7	5.4	B4/5000		
BM (30°-60°)	6014.0	12.7	B4/8500		
BH (60°-80°)	2965.1	6.3	B4/5000		G4/5000
BVH (80°-90°)	236.8	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°	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8
2.5°	5201.1	5230.9	5223.5	5211.0	5208.5	5213.5	5221.0	5228.5	5226.0	5238.4
5°	5186.1	5216.0	5213.5	5213.5	5223.5	5243.4	5255.8	5268.3	5255.8	5270.8
7.5°	5196.1	5218.5	5228.5	5238.4	5263.3	5300.7	5330.5	5357.9	5343.0	5360.4
10°	5323.1	5340.5	5350.5	5350.5	5367.9	5410.2	5440.1	5489.9	5477.4	5504.8
12.5°	5554.6	5572.0	5572.0	5562.1	5574.5	5601.9	5611.9	5666.7	5644.2	5689.1
15°	5838.4	5873.3	5845.9	5828.5	5833.5	5860.9	5858.4	5900.7	5878.3	5915.6
17.5°	6152.2	6197.0	6152.2	6149.7	6139.7	6169.6	6172.1	6209.4	6169.6	6197.0
20°	6523.1	6585.4	6548.0	6560.5	6538.1	6550.5	6563.0	6617.7	6555.5	6575.4
22.5°	7046.0	7120.7	7080.8	7128.1	7113.2	7103.2	7100.7	7197.8	7100.7	7108.2
25°	7807.8	7897.5	7827.7	7892.5	7892.5	7924.8	7962.2	8086.7	7924.8	7877.5
27.5°	8933.2	9022.8	8885.9	8925.7	8913.3	8992.9	8953.1	9261.8	9087.6	9010.4
30°	10287.6	10447.0	10188.0	10178.1	10165.6	10292.6	10349.9	10554.0	10377.2	10300.1
32.5°	11751.6	11918.4	11609.7	11520.0	11472.7	11549.9	11502.6	11666.9	11544.9	11425.4
35°	13300.2	13464.5	13170.7	12996.5	12807.2	12645.4	12476.1	12518.4	12403.9	12222.1
37.5°	14764.2	15065.4	14754.2	14567.5	14218.9	13902.7	13429.7	13233.0	13125.9	12959.1
40°	16255.5	16427.3	16190.8	16031.4	15653.0	15157.5	14400.7	13984.9	13840.5	13678.6
42.5°	17353.5	17517.8	17390.8	17281.3	16985.0	16409.9	15431.4	14911.1	14701.9	14520.2
45°	18224.9	18346.9	18267.2	18307.1	18180.1	17622.4	16499.5	15904.5	15687.9	15466.3
47.5°	18576.0	18705.4	18832.4	19068.9	19285.5	18874.7	17647.3	16980.0	16751.0	16524.4
50°	18536.1	18668.1	19036.6	19539.5	20211.7	20074.8	18857.3	18125.3	17913.7	17654.8
52.5°	18217.4	18366.8	18839.9	19676.4	20747.0	20973.6	20089.7	19307.9	19108.8	18800.0
55°	17380.9	17470.5	18180.1	19365.2	20874.0	21601.0	21297.2	20567.8	20368.6	19937.9
57.5°	15829.8	15959.2	16992.5	18526.2	20555.3	22026.7	22357.9	21892.3	21700.6	21080.6
60°	13805.6	14012.3	15194.9	17117.0	19743.7	22024.3	23321.4	23194.4	23035.1	22206.0
62.5°	11515.1	11754.1	12891.9	15125.2	18324.5	21399.3	23923.9	24284.9	24202.8	23244.2
65°	8843.6	9007.9	10140.7	12548.3	16116.1	20057.4	23993.6	25029.4	25044.3	24033.5
67.5°	5888.2	6361.3	7344.7	9416.2	13158.3	17863.9	23381.2	25151.4	25295.8	24304.9
70°	2873.2	3495.6	4459.1	6119.8	9416.2	14500.3	21780.3	24150.5	24471.7	23513.1
72.5°	1192.6	1394.3	1919.6	3020.1	5405.2	9784.7	18563.5	21436.7	22031.7	20834.2
75°	804.2	871.4	1098.0	1548.6	2462.4	4825.1	13387.3	15984.1	16942.7	15735.2
77.5°	619.9	662.3	799.2	1083.0	1464.0	1825.0	7165.5	9632.8	10128.3	9376.4
80°	488.0	520.4	597.5	789.2	1038.2	976.0	2442.4	4364.5	4650.8	3901.4
82.5°	423.3	435.7	428.2	535.3	689.7	570.2	801.7	1610.9	1777.7	1289.7
85°	306.2	341.1	356.0	331.1	366.0	288.8	328.6	570.2	627.4	560.2
87.5°	124.5	184.2	226.6	214.1	134.4	82.2	102.1	166.8	191.7	209.1
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°
5255.8	0°	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8	5255.8
5258.3	2.5°	5260.8	5278.3	5290.7	5305.6	5315.6	5330.5	5360.4	5377.8	5380.3	5392.8
5298.2	5°	5308.1	5333.0	5360.4	5400.2	5445.1	5482.4	5539.7	5579.5	5594.4	5606.9
5395.3	7.5°	5410.2	5445.1	5494.9	5564.6	5629.3	5679.1	5748.8	5796.1	5843.4	5860.9
5549.6	10°	5562.1	5611.9	5684.1	5778.7	5848.4	5913.1	5985.3	6025.2	6072.5	6092.4
5733.9	12.5°	5751.3	5803.6	5898.2	6030.2	6094.9	6139.7	6164.6	6154.6	6164.6	6182.0
5955.5	15°	5967.9	6025.2	6132.2	6274.1	6319.0	6279.1	6224.4	6174.6	6167.1	6172.1
6224.4	17.5°	6224.4	6266.7	6391.2	6510.7	6478.3	6314.0	6194.5	6114.8	6075.0	6062.5
6567.9	20°	6582.9	6582.9	6685.0	6759.6	6543.0	6264.2	6077.5	5948.0	5865.8	5831.0
7036.0	22.5°	7018.6	6978.7	7043.5	6991.2	6530.6	6124.8	5865.8	5641.8	5517.3	5467.5
7690.8	25°	7571.3	7524.0	7506.6	7182.9	6441.0	5903.2	5482.4	5211.0	5101.5	5074.1
8634.4	27.5°	8405.4	8285.9	8059.3	7287.5	6276.6	5554.6	5034.3	4782.8	4720.6	4723.0
9846.9	30°	9515.8	9276.8	8721.6	7304.9	6007.7	5061.6	4576.1	4396.9	4367.0	4379.5
10865.2	32.5°	10544.1	10317.5	9398.8	7225.2	5594.4	4578.6	4165.3	4045.8	4001.0	4016.0
11642.0	35°	11350.7	11288.5	10026.2	7113.2	5086.5	4125.5	3796.9	3694.8	3607.6	3587.7
12374.0	37.5°	12112.6	12087.7	10496.8	6956.3	4583.6	3804.3	3500.6	3366.1	3239.2	3169.4
13183.2	40°	12949.1	12924.2	10805.5	6714.8	4138.0	3525.5	3234.2	3057.4	2900.5	2773.6
14099.4	42.5°	13890.3	13743.4	10952.4	6368.8	3759.5	3288.9	3017.6	2778.6	2571.9	2454.9
15135.1	45°	14918.5	14587.4	10949.9	5928.1	3440.8	3072.3	2786.0	2447.4	2255.7	2146.2
16198.3	47.5°	16009.0	15394.1	10815.4	5440.1	3132.1	2833.3	2427.5	2168.6	2041.6	1974.4
17353.5	50°	17134.4	16148.5	10586.4	4879.9	2815.9	2561.9	2203.4	2026.6	1929.5	1867.3
18498.8	52.5°	18192.5	16833.1	10310.0	4245.0	2494.7	2298.0	2103.8	1966.9	1864.8	1795.1
19609.2	55°	19176.0	17423.2	9919.1	3595.2	2233.3	2121.3	2056.5	1942.0	1825.0	1742.8
20737.1	57.5°	20049.9	17806.6	9244.4	2985.2	2046.6	1999.3	2006.7	1899.7	1765.2	1695.5
21847.5	60°	20776.9	18088.0	8246.0	2420.0	1894.7	1879.8	1929.5	1820.0	1663.1	1583.5
22786.1	62.5°	21212.6	18083.0	7021.1	1981.8	1765.2	1770.2	1827.5	1720.4	1561.1	1486.4
23276.6	65°	21175.3	17639.8	5676.6	1695.5	1640.7	1645.7	1720.4	1610.9	1476.4	1431.6
23030.1	67.5°	20425.8	16559.3	4354.6	1508.8	1503.8	1526.2	1613.4	1536.2	1424.1	1419.2
21561.2	70°	18396.7	14316.0	3137.1	1359.4	1361.9	1394.3	1508.8	1488.9	1396.7	1406.7
18127.8	72.5°	14751.7	10915.0	2106.3	1202.5	1205.0	1257.3	1409.2	1451.5	1369.4	1501.3
12862.0	75°	9824.5	6807.0	1354.4	1035.7	1038.2	1105.4	1322.1	1379.3	1294.7	1496.3
6692.4	77.5°	4720.6	3059.9	981.0	871.4	871.4	933.7	1142.8	1234.9	1103.0	1162.7
2151.1	80°	1630.8	1150.3	771.8	702.1	687.2	729.5	963.5	1070.6	951.1	876.4
702.1	82.5°	642.4	597.5	619.9	545.3	495.5	522.8	749.4	883.9	699.6	632.4
395.9	85°	368.5	388.4	438.2	361.0	286.3	321.2	550.2	634.9	527.8	465.6
129.5	87.5°	99.6	136.9	201.7	186.7	129.5	136.9	261.4	351.1	303.7	234.0
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°
5255.8
5390.3
5604.4
5863.3
6102.4
6187.0
6189.5
6079.9
5823.5
5460.0
5079.1
4730.5
4421.8
4035.9
3602.7
3171.9
2786.0
2462.4
2141.2
1959.4
1844.9
1765.2
1710.5
1650.7
1548.6
1464.0
1429.1
1426.6
1404.2
1521.2
1508.8
1065.6
821.6
629.9
475.5
241.5
0.0

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