

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: P850823

Luminaire Tested: **GLAN-SB8C-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850823
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-SB8C-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 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: 58907 lumens
Efficiency: N/A
Efficacy: 147.3 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

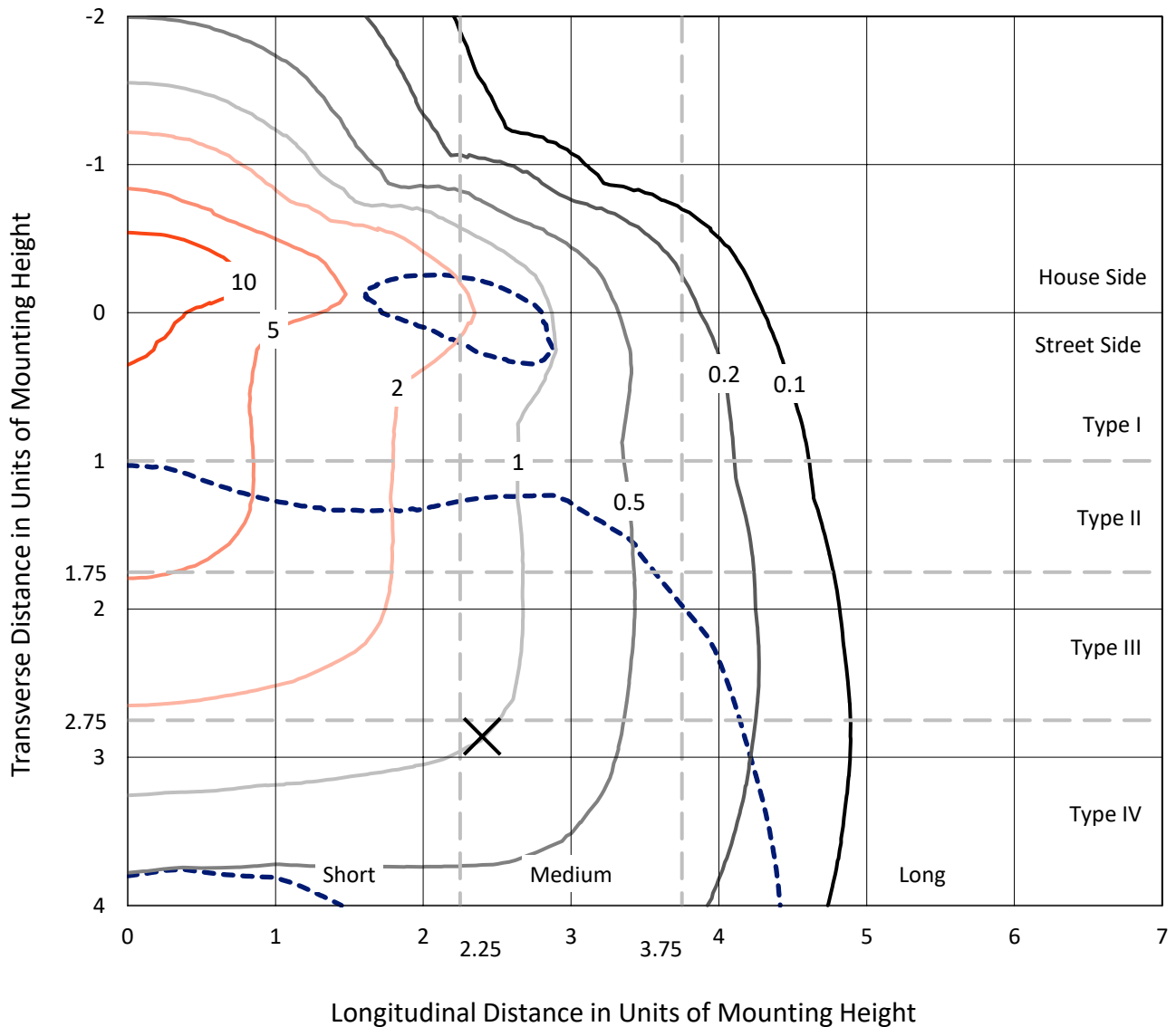
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

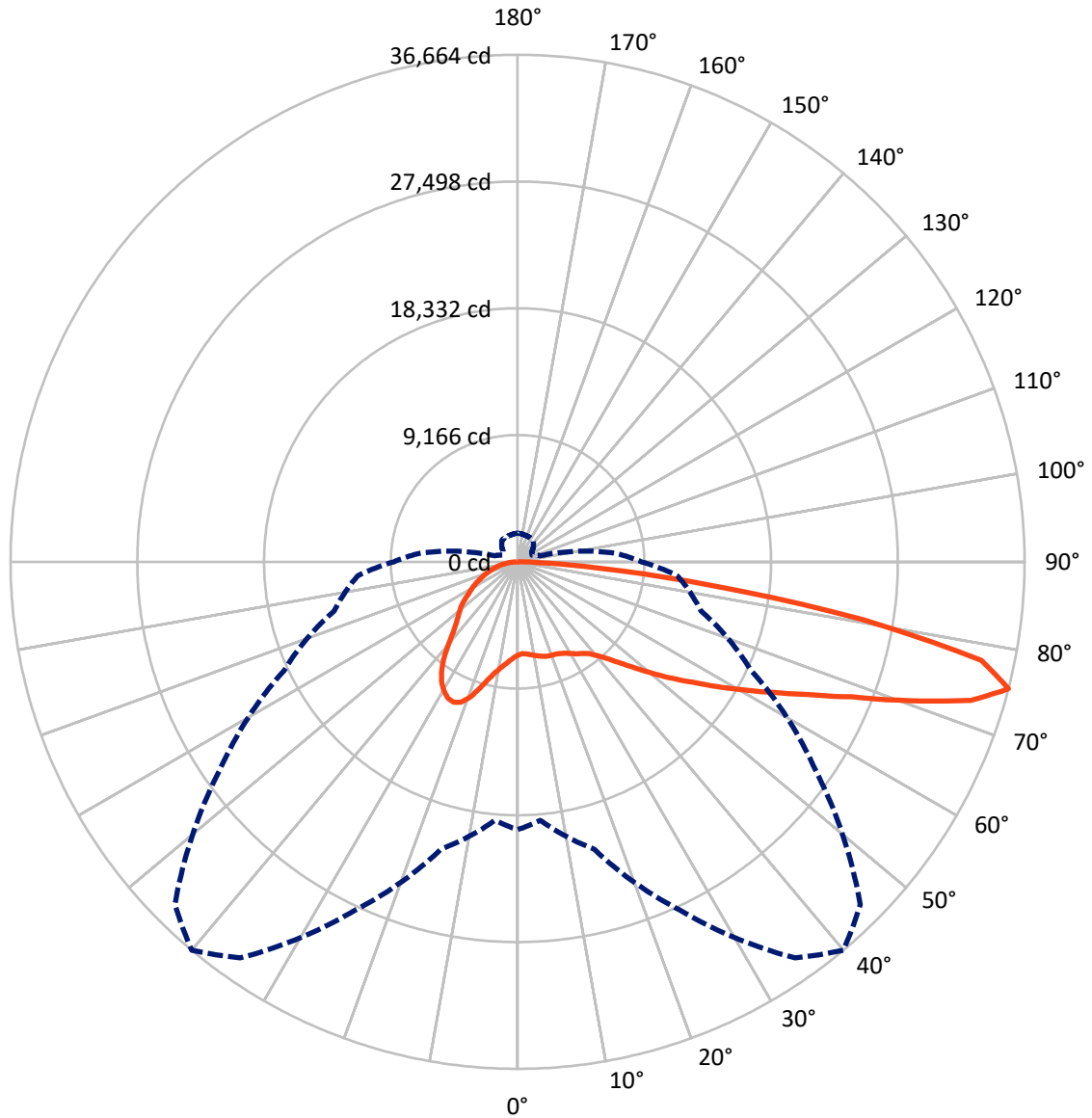
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 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	18251.4	0.0	18251.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	40655.6	0.0	40655.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	58907.0	0.0	58907.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	672.4	1.1
10°-20°	2257.5	3.8
20°-30°	4122.1	7.0
30°-40°	5846.2	9.9
40°-50°	7894.1	13.4
50°-60°	10619.7	18.0
60°-70°	13478.9	22.9
70°-80°	12232.9	20.8
80°-90°	1783.2	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°	58907.0	100.0
0°-180°	58907.0	100.0

Coefficient of Utilization

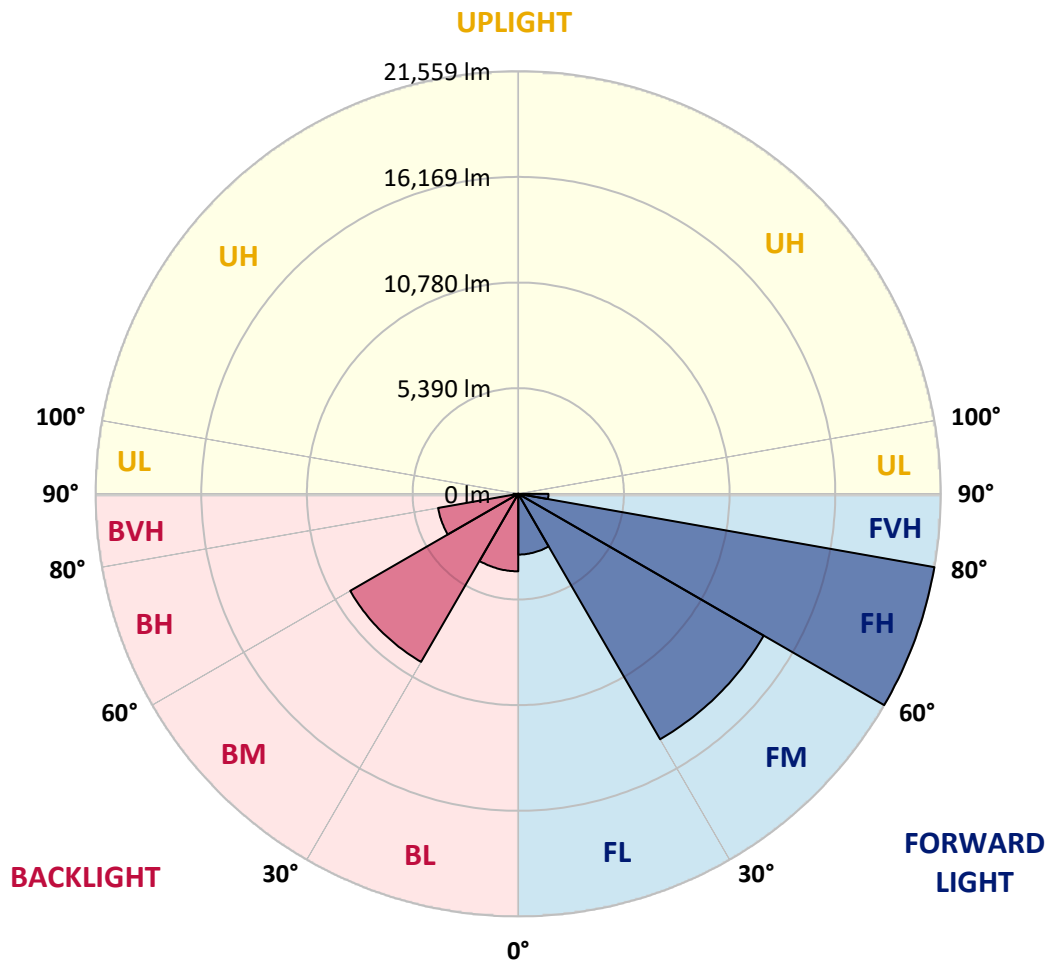


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3098.6	5.3			
FM (30°-60°)	14460.4	24.5			
FH (60°-80°)	21559.1	36.6			G5
FVH (80°-90°)	1537.7	2.6			G5
BL (0°-30°)	3953.4	6.7	B4/5000		
BM (30°-60°)	9899.7	16.8	B5		
BH (60°-80°)	4152.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	245.5	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°	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1
2.5°	6633.0	6670.5	6661.1	6648.6	6648.6	6651.7	6648.6	6670.5	6692.4	6714.2
5°	6701.7	6739.2	6720.5	6704.9	6692.4	6689.2	6679.9	6676.7	6689.2	6717.3
7.5°	6836.1	6873.6	6845.4	6817.3	6792.3	6779.8	6767.3	6748.6	6739.2	6754.8
10°	6986.0	7023.5	6989.2	6939.2	6898.6	6882.9	6870.4	6851.7	6839.2	6848.6
12.5°	7136.0	7173.5	7126.6	7057.9	7004.8	6995.4	6979.8	6973.5	6970.4	6967.3
15°	7276.6	7307.8	7248.5	7167.3	7111.0	7095.4	7079.8	7089.1	7104.8	7123.5
17.5°	7386.0	7417.2	7329.7	7223.5	7170.4	7164.1	7154.8	7186.0	7229.7	7276.6
20°	7485.9	7517.2	7404.7	7261.0	7198.5	7198.5	7201.6	7267.2	7329.7	7398.5
22.5°	7626.5	7651.5	7514.1	7317.2	7226.6	7232.9	7257.9	7323.5	7401.6	7495.3
25°	7835.9	7854.6	7685.9	7423.5	7320.3	7339.1	7361.0	7392.2	7467.2	7576.5
27.5°	8173.3	8188.9	7967.1	7610.9	7454.7	7485.9	7517.2	7495.3	7529.7	7623.4
30°	8648.2	8657.6	8376.4	7904.6	7682.8	7698.4	7704.6	7614.0	7548.4	7623.4
32.5°	9210.6	9207.5	8873.1	8260.8	7942.1	7926.5	7873.4	7695.3	7542.2	7607.8
35°	10082.3	10047.9	9616.7	8760.7	8235.8	8138.9	8014.0	7785.9	7573.4	7592.2
37.5°	11525.7	11419.5	10822.7	9579.3	8673.2	8426.4	8242.0	7932.7	7642.2	7585.9
40°	13153.5	13019.2	12363.0	10700.9	9329.3	8932.5	8635.7	8142.1	7754.6	7614.0
42.5°	15084.4	14893.8	14187.7	12022.5	10160.4	9585.5	9138.7	8407.6	7920.2	7704.6
45°	17455.7	17202.7	16202.9	13512.8	11207.0	10441.6	9844.8	8810.7	8173.3	7879.6
47.5°	19852.1	19914.6	18493.0	15218.7	12463.0	11497.6	10729.0	9416.8	8542.0	8160.8
50°	22398.4	22442.2	20770.7	17108.9	13887.7	12691.1	11722.6	10094.8	9054.4	8560.7
52.5°	24385.5	24391.8	22839.0	19086.6	15371.8	14003.3	12794.2	10869.6	9648.0	9091.9
55°	25629.0	25613.4	24288.7	20958.1	17077.7	15381.2	13981.5	11750.7	10372.8	9716.7
57.5°	26532.0	26485.1	25288.5	22567.2	18896.1	17008.9	15324.9	12750.5	11228.9	10460.3
60°	26875.6	26847.5	25966.5	23957.5	20808.2	18808.6	16874.6	13869.0	12200.6	11338.3
62.5°	27006.9	27060.0	26631.9	25304.1	22854.6	20801.9	18577.4	15206.2	13294.1	12331.8
65°	27469.3	27566.1	27478.6	27066.2	25166.6	23135.8	20836.3	16796.5	14487.6	13397.2
67.5°	28384.7	28481.6	28519.0	29175.2	27991.0	26044.6	23654.4	18777.3	15884.2	14503.2
70°	28362.8	28334.7	28997.1	30852.9	31527.8	30071.8	27453.6	21214.3	17549.5	15421.8
72.5°	25816.5	25591.5	27156.8	30834.2	34470.9	34277.2	32093.3	24357.4	18986.7	15534.3
75°	19367.8	18768.0	21533.0	27787.9	34961.5	36664.2	35042.7	26307.0	18646.1	13725.3
77.5°	8282.6	7679.6	10938.3	20570.7	31290.3	34274.1	32337.0	22951.5	14884.4	9076.2
80°	2168.3	2165.2	3305.6	9326.2	21279.9	25310.3	22204.7	14821.9	8504.5	3243.1
82.5°	896.7	874.8	1215.4	3627.4	10397.8	14203.3	11591.3	6611.1	3071.2	877.9
85°	334.3	331.2	590.5	1252.9	3668.0	5858.2	4239.7	1690.3	765.5	428.0
87.5°	93.7	90.6	128.1	434.3	893.6	1356.0	724.8	278.1	215.6	168.7
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°
6736.1	0°	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1	6736.1
6748.6	2.5°	6758.0	6773.6	6801.7	6823.6	6851.7	6882.9	6926.7	6954.8	6982.9	7001.7
6764.2	5°	6786.1	6820.5	6892.3	6964.2	7048.5	7126.6	7217.2	7282.9	7336.0	7351.6
6820.5	7.5°	6848.6	6904.8	7026.7	7148.5	7282.9	7411.0	7542.2	7654.7	7745.3	7779.6
6920.4	10°	6957.9	7032.9	7204.7	7376.6	7554.7	7751.5	7920.2	8082.7	8210.8	8263.9
7039.2	12.5°	7095.4	7189.1	7414.1	7651.5	7898.4	8170.2	8388.9	8588.8	8748.2	8820.0
7204.7	15°	7273.5	7395.3	7682.8	8001.5	8363.9	8741.9	9020.0	9241.8	9419.9	9507.4
7376.6	17.5°	7467.2	7629.7	7992.1	8473.2	8991.9	9488.6	9813.6	9976.0	10160.4	10244.7
7535.9	20°	7654.7	7854.6	8373.3	9073.1	9763.6	10291.6	10554.0	10597.8	10610.3	10619.7
7685.9	22.5°	7848.4	8117.1	8851.3	9829.2	10569.7	10935.2	10972.7	10785.2	10522.8	10401.0
7832.7	25°	8060.8	8417.0	9476.1	10663.4	11263.3	11307.0	11019.6	10563.4	10066.6	9838.6
7951.5	27.5°	8267.0	8763.8	10226.0	11460.1	11763.2	11378.9	10760.3	10113.5	9513.6	9273.1
8035.8	30°	8473.2	9160.6	11053.9	12156.8	11991.2	11200.8	10351.0	9629.2	9026.2	8773.2
8110.8	32.5°	8682.6	9623.0	12006.9	12659.9	11950.6	10822.7	9841.7	9085.6	8554.5	8288.9
8176.4	35°	8920.0	10191.6	12909.8	12934.8	11678.8	10266.6	9170.0	8435.7	7973.3	7760.9
8254.5	37.5°	9229.3	10913.3	13706.5	13003.5	11203.9	9451.2	8335.8	7667.1	7286.0	7189.1
8370.1	40°	9613.6	11781.9	14315.8	12894.2	10500.9	8460.7	7423.5	6889.2	6673.6	6695.5
8526.3	42.5°	10113.5	12753.6	14743.8	12613.0	9523.0	7439.1	6623.6	6386.2	6489.3	6576.8
8760.7	45°	10763.4	13762.8	15009.4	12135.0	8417.0	6573.6	6151.8	6208.1	6286.2	6295.6
9138.7	47.5°	11594.5	14784.4	15184.3	11413.2	7289.1	5964.4	5851.9	5864.4	5848.8	5783.2
9704.2	50°	12631.7	15778.0	15340.5	10457.2	6329.9	5583.2	5433.2	5389.5	5173.9	4961.5
10457.2	52.5°	13812.7	16690.3	15406.2	9269.9	5583.2	5264.5	5020.8	4745.9	4342.8	4277.2
11403.9	55°	15125.0	17533.8	15237.4	7810.9	4955.2	4855.2	4486.6	4155.4	4111.6	4055.4
12650.5	57.5°	16693.4	18443.0	14893.8	6183.1	4311.6	4377.2	4017.9	4055.4	3977.3	3889.8
14253.3	60°	18408.7	19383.5	14290.8	4699.0	3646.1	3780.5	3896.1	3892.9	3871.1	3799.2
15943.5	62.5°	19952.1	20002.1	13103.5	3599.2	3061.9	3318.1	3633.6	3630.5	3611.7	3571.1
17708.8	65°	20870.6	19908.3	11122.7	2833.8	2580.7	2936.9	3277.4	3302.4	3305.6	3302.4
19036.7	67.5°	20708.2	18811.7	8404.5	2255.8	2183.9	2549.5	2924.4	2958.8	2983.8	2990.0
19205.4	70°	18871.1	16402.8	5480.1	1799.6	1830.9	2208.9	2590.1	2624.5	2646.3	2671.3
16665.3	72.5°	14709.4	12060.0	3136.8	1455.9	1521.6	1915.2	2258.9	2299.5	2312.0	2358.9
11597.6	75°	8963.8	7092.3	1693.4	1146.6	1249.7	1637.2	1930.8	1977.7	1999.6	2055.8
5695.7	77.5°	4261.6	3071.2	965.4	893.6	1006.0	1337.2	1630.9	1684.0	1624.7	1655.9
1571.5	80°	1440.3	1140.4	609.2	681.1	768.6	1043.5	1306.0	1359.1	1234.1	1227.9
521.8	82.5°	503.0	462.4	387.4	453.0	496.8	746.7	987.3	1056.0	918.6	915.4
234.3	85°	196.8	187.5	215.6	246.8	296.8	459.3	649.9	684.2	565.5	456.2
68.7	87.5°	40.6	43.7	53.1	56.2	90.6	159.3	234.3	287.4	228.1	193.7
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°
6736.1
6989.2
7357.8
7782.8
8267.0
8820.0
9501.1
10241.6
10644.7
10435.3
9872.9
9301.2
8801.3
8323.3
7807.7
7257.9
6770.5
6658.0
6358.0
5833.2
4989.6
4299.1
4064.8
3874.2
3774.2
3555.5
3302.4
2996.2
2683.8
2377.6
2062.1
1630.9
1215.4
871.7
449.9
178.1
0.0

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