

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: P850816

Luminaire Tested: **GLAN-SB8C-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850816
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57962 lumens
Efficiency: N/A
Efficacy: 145.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

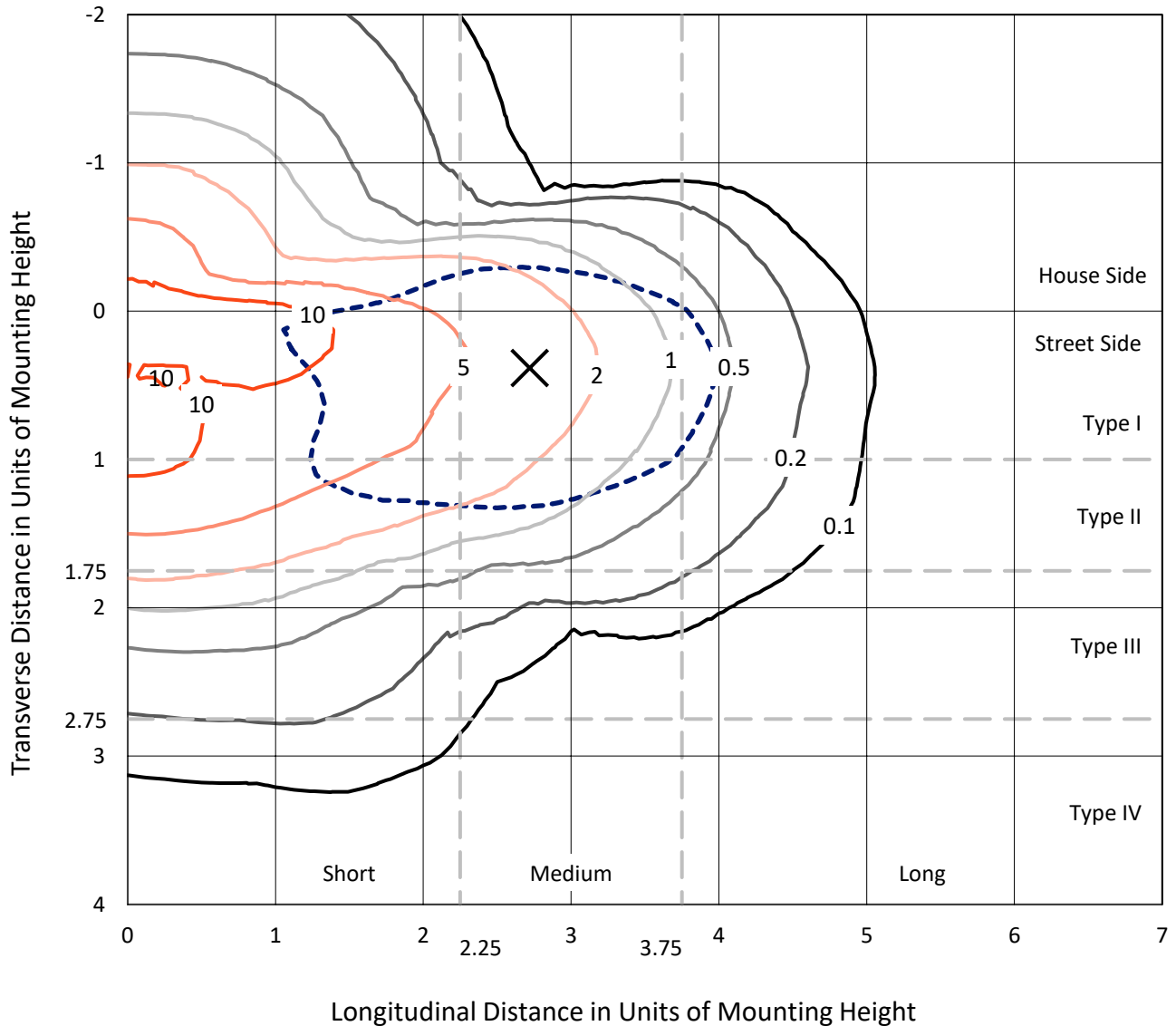
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

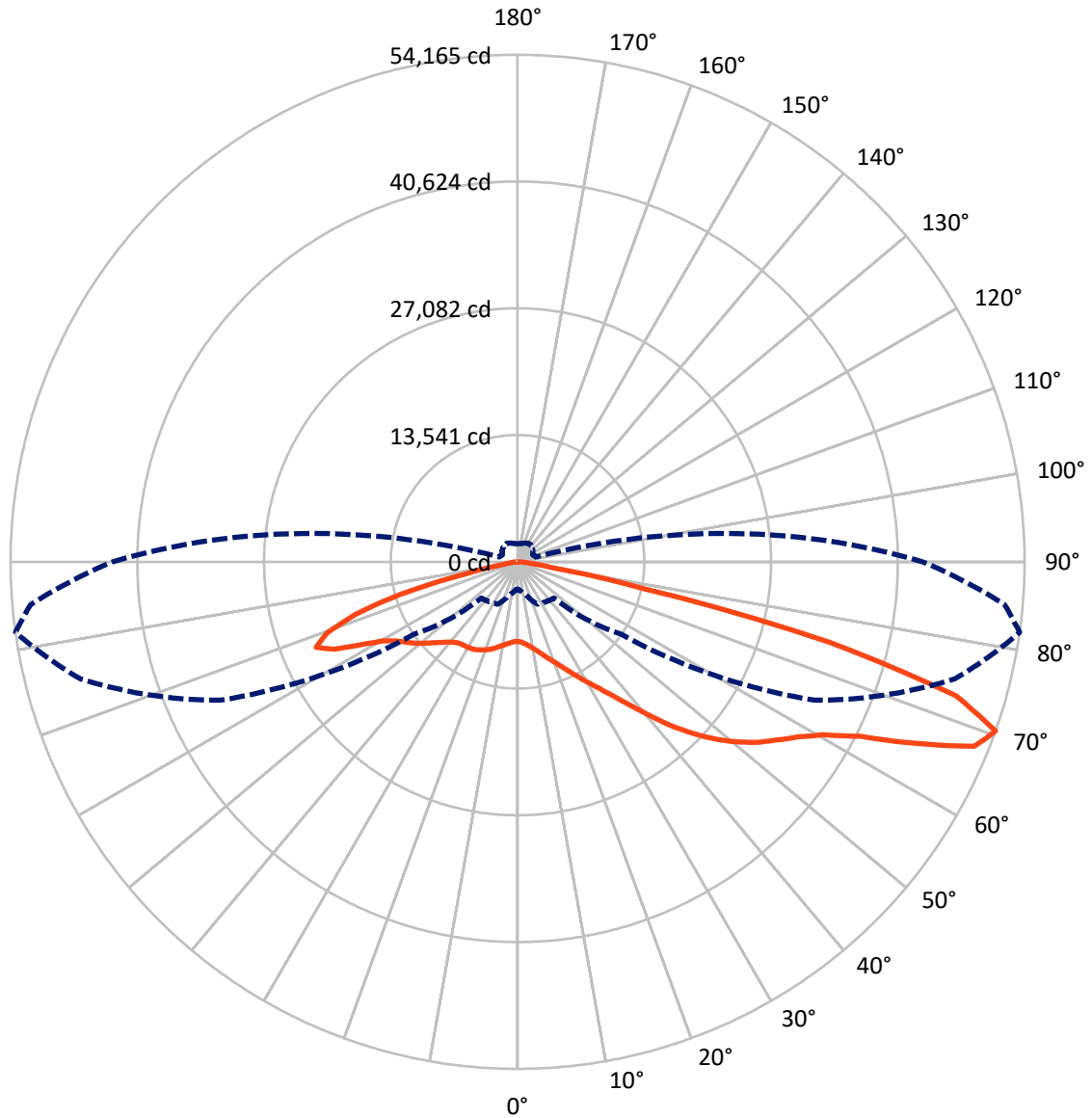
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14289.1	0.0	14289.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	43672.9	0.0	43672.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	57962.0	0.0	57962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.4	1.4
10°-20°	2305.2	4.0
20°-30°	3856.4	6.7
30°-40°	6024.7	10.4
40°-50°	9595.0	16.6
50°-60°	13352.6	23.0
60°-70°	13967.5	24.1
70°-80°	7300.2	12.6
80°-90°	758.0	1.3
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°	57962.0	100.0
0°-180°	57962.0	100.0

Coefficient of Utilization

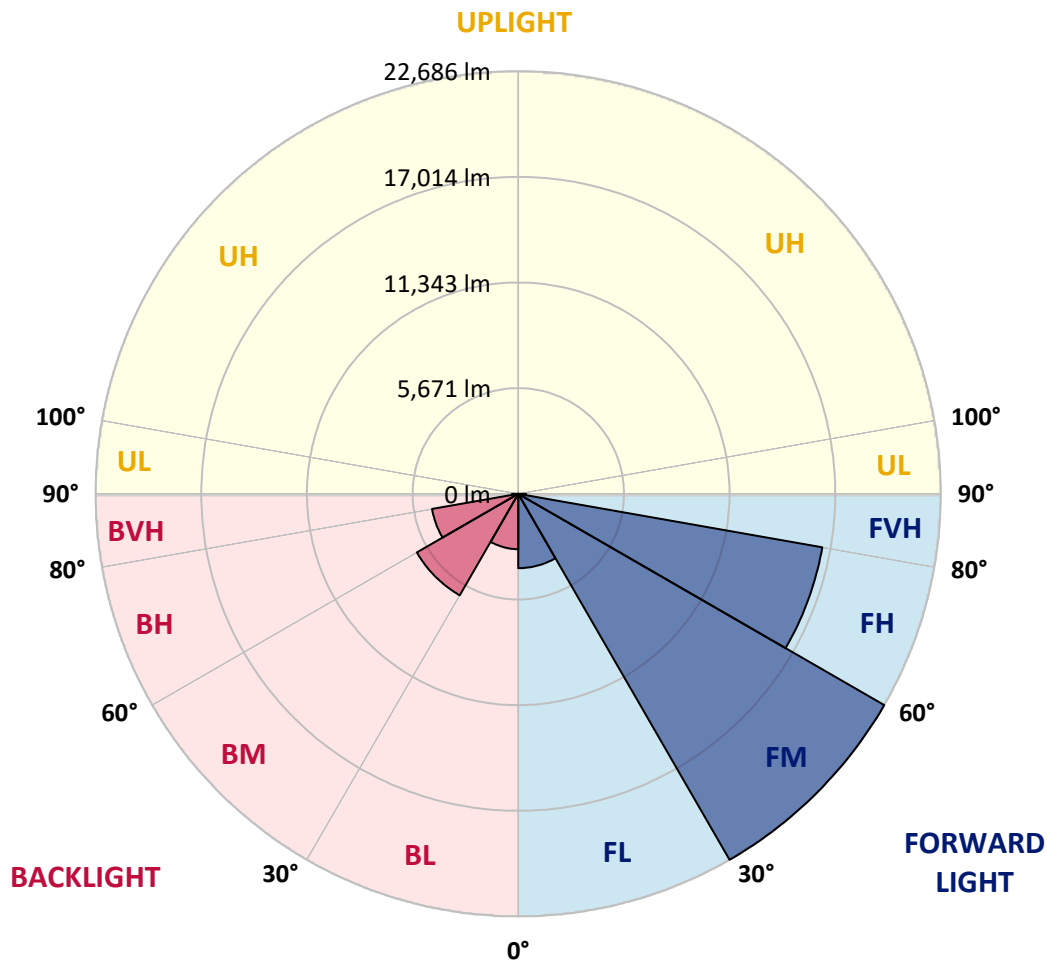


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3991.3	6.9			
FM (30°-60°)	22685.7	39.1			
FH (60°-80°)	16571.5	28.6			G5
FVH (80°-90°)	424.4	0.7			G3/500
BL (0°-30°)	2972.6	5.1	B4/5000		
BM (30°-60°)	6286.6	10.8	B4/8500		
BH (60°-80°)	4696.1	8.1	B4/5000		G4/5000
BVH (80°-90°)	333.7	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0
2.5°	8700.9	8750.2	8734.8	8719.4	8719.4	8697.9	8694.8	8664.0	8639.4	8599.4
5°	8811.7	8864.0	8857.8	8870.1	8910.1	8919.3	8928.5	8910.1	8860.9	8811.7
7.5°	8713.2	8771.7	8790.1	8864.0	8987.0	9097.7	9180.7	9214.6	9168.4	9097.7
10°	8381.1	8445.7	8510.3	8685.6	8903.9	9165.4	9386.8	9519.1	9509.8	9442.2
12.5°	7707.5	7775.2	7913.6	8255.0	8654.8	9116.2	9528.3	9805.1	9900.4	9851.2
15°	7169.3	7227.7	7332.3	7682.9	8202.7	8903.9	9580.6	10118.8	10361.8	10334.1
17.5°	7153.9	7178.5	7243.1	7409.2	7809.0	8571.8	9525.2	10426.4	10890.8	10887.7
20°	7424.6	7433.8	7470.7	7504.5	7732.1	8319.6	9383.7	10681.6	11484.4	11484.4
22.5°	7799.8	7793.6	7830.5	7799.8	7910.5	8298.0	9294.5	10906.2	12145.6	12194.9
25°	8362.6	8331.9	8322.6	8251.9	8273.4	8498.0	9393.0	11161.4	12929.9	13031.4
27.5°	9113.1	9063.9	9030.0	8867.0	8811.7	8910.1	9694.4	11469.0	13803.4	13978.7
30°	10091.1	10001.9	9952.7	9669.8	9469.9	9485.2	10149.6	11878.1	14716.9	14999.8
32.5°	11425.9	11287.5	11155.3	10690.9	10324.9	10204.9	10737.0	12444.0	15707.2	16159.3
35°	12920.7	12810.0	12668.5	11951.9	11389.0	11112.2	11530.5	13234.4	16866.7	17583.4
37.5°	14360.1	14264.8	14332.4	13366.7	12640.8	12237.9	12570.1	14295.5	18296.9	19354.9
40°	15848.7	15774.9	15784.1	14861.4	14015.6	13563.5	13831.1	15627.3	19936.2	21461.7
42.5°	17466.5	17411.1	17226.6	16408.5	15458.1	15036.7	15282.8	17165.1	21695.5	23860.7
45°	19278.0	19244.2	19072.0	18133.9	17045.1	16571.5	16903.6	18862.8	23463.9	26118.2
47.5°	20843.5	20871.2	20849.7	20059.2	18930.5	18235.4	18632.1	20634.4	25109.4	28240.4
50°	21597.0	21741.6	21953.8	21707.8	21006.5	20299.1	20376.0	22344.4	26678.0	30230.3
52.5°	21203.4	21477.1	22055.3	22449.0	22719.6	22572.0	22366.0	24042.2	28154.3	32026.5
55°	19736.3	20120.7	21080.3	22030.7	23411.7	24485.1	24755.7	25924.4	29593.7	33607.4
57.5°	17063.6	17687.9	18549.1	20471.4	22796.5	25410.8	27542.2	28535.7	31119.2	35295.9
60°	12480.9	13317.5	14387.8	17248.1	20643.6	24915.6	29913.5	32546.3	33287.5	37482.7
62.5°	7987.4	8504.1	9488.3	12182.6	16085.5	22378.3	30639.4	37559.5	36962.9	41068.8
65°	5468.5	5800.6	6701.8	8215.0	10398.7	16657.6	28695.6	41318.0	42800.4	46752.6
67.5°	3973.7	4225.9	4994.8	6320.4	6775.6	9857.4	22267.5	41145.7	48474.9	52608.6
70°	2897.2	3075.6	3721.5	4994.8	5213.2	5483.8	13489.7	34976.0	48351.9	54164.8
72.5°	2146.8	2269.8	2703.5	3875.3	4219.8	3703.1	6677.2	25420.0	41548.6	48991.6
75°	1553.2	1645.5	1965.3	2964.9	3377.0	2820.3	3330.9	14855.3	28981.6	34462.4
77.5°	1187.2	1257.9	1467.1	2171.4	2703.5	2116.0	2066.8	6834.0	13741.9	13809.6
80°	953.4	999.6	1113.4	1528.6	2073.0	1583.9	1347.1	2758.8	4342.8	3675.4
82.5°	701.2	778.1	941.1	1073.4	1482.5	1091.8	821.2	1393.3	1651.6	1420.9
85°	399.8	452.1	569.0	768.9	947.3	667.4	470.6	618.2	768.9	630.5
87.5°	141.5	184.5	199.9	301.4	412.1	276.8	181.5	178.4	252.2	187.6
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°
8498.0	0°	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0	8498.0
8590.2	2.5°	8559.5	8544.1	8482.6	8399.5	8313.4	8230.4	8202.7	8144.3	8104.3	8082.7
8790.1	5°	8731.7	8682.5	8537.9	8353.4	8159.6	7950.5	7802.9	7667.5	7569.1	7476.8
9063.9	7.5°	8977.8	8891.6	8642.5	8319.6	7975.1	7627.6	7369.2	7172.4	7040.1	6954.0
9383.7	10°	9263.8	9131.5	8750.2	8267.3	7735.2	7236.9	6932.5	6763.3	6680.3	6634.1
9749.7	12.5°	9592.9	9405.3	8860.9	8147.3	7369.2	6800.2	6591.1	6541.9	6544.9	6548.0
10211.1	15°	9998.9	9737.4	8950.1	7885.9	6892.5	6465.0	6428.1	6508.0	6591.1	6631.0
10733.9	17.5°	10457.1	10088.1	8965.4	7455.3	6425.0	6249.7	6366.5	6538.8	6664.9	6720.2
11318.3	20°	10949.2	10444.8	8854.7	6846.3	6040.5	6074.4	6283.5	6504.9	6643.4	6714.1
11985.7	22.5°	11512.1	10826.2	8590.2	6206.6	5726.8	5883.7	6129.7	6345.0	6489.6	6560.3
12770.0	25°	12154.9	11253.7	8175.0	5668.4	5456.2	5668.4	5914.4	6092.8	6209.7	6274.3
13646.6	27.5°	12868.4	11699.7	7621.4	5240.9	5219.3	5446.9	5649.9	5788.3	5849.8	5899.1
14578.5	30°	13585.0	12105.7	6950.9	4917.9	5013.3	5228.6	5373.1	5434.6	5453.1	5462.3
15618.0	32.5°	14360.1	12456.3	6246.6	4650.3	4816.4	5016.3	5102.5	5130.1	5044.0	4985.6
16879.0	35°	15298.2	12831.5	5557.7	4438.1	4622.7	4794.9	4822.6	4798.0	4696.5	4576.5
18459.9	37.5°	16457.7	13299.0	5007.1	4287.4	4441.2	4555.0	4521.2	4515.0	4524.2	4382.8
20360.6	40°	17878.6	13908.0	4604.2	4170.5	4293.6	4318.2	4222.8	4275.1	4321.3	4106.0
22445.9	42.5°	19456.4	14643.1	4348.9	4090.6	4170.5	4112.1	3964.5	4022.9	4016.8	3733.8
24540.4	45°	21065.0	15442.7	4259.7	4032.1	4056.8	3939.9	3776.9	3792.2	3663.1	3407.8
26548.8	47.5°	22664.3	16300.8	4315.1	3982.9	3915.3	3783.0	3656.9	3589.3	3398.6	3207.9
28474.1	50°	24232.9	17202.0	4518.1	3884.5	3721.5	3644.6	3552.3	3432.4	3229.4	3066.4
30294.9	52.5°	25687.6	18109.3	4745.7	3721.5	3478.5	3524.7	3466.2	3327.8	3127.9	2961.8
32017.3	55°	27065.5	19016.6	4834.9	3497.0	3250.9	3420.1	3386.3	3131.0	2891.1	2755.8
33819.6	57.5°	28566.4	20108.4	4736.5	3211.0	3066.4	3300.1	3171.0	2888.0	2749.6	2648.1
36166.3	60°	30645.5	21821.6	4524.2	2857.3	2891.1	3121.8	2900.3	2783.4	2632.7	2518.9
39684.8	62.5°	34099.5	25017.1	4182.9	2506.6	2685.0	2857.3	2771.1	2654.3	2500.5	2389.8
45700.7	65°	39205.0	29458.3	3540.0	2232.9	2454.3	2598.9	2632.7	2515.9	2355.9	2239.1
50972.3	67.5°	43510.9	32244.9	2678.9	2005.3	2217.5	2389.8	2485.1	2371.3	2202.1	2088.3
52205.7	70°	43274.1	30221.1	2045.3	1780.8	2008.4	2183.7	2306.7	2217.5	2036.1	1928.4
47420.0	72.5°	38436.1	25281.6	1654.7	1553.2	1796.2	1968.4	2116.0	2048.4	1863.8	1759.3
34739.2	75°	28237.3	17946.3	1322.5	1322.5	1531.7	1743.9	1906.9	1863.8	1694.7	1620.9
14584.6	77.5°	11902.7	7529.1	1036.5	1098.0	1273.3	1497.8	1700.8	1716.2	1568.6	1660.8
3856.8	80°	3164.8	2076.0	790.4	864.3	999.6	1236.4	1479.4	1473.2	1313.3	1227.2
1433.2	82.5°	1205.6	818.1	562.8	609.0	722.8	947.3	1171.8	1208.7	1048.8	907.3
562.8	85°	464.4	350.6	347.5	366.0	421.4	627.4	885.8	916.5	790.4	670.5
156.9	87.5°	119.9	104.6	129.2	123.0	193.8	335.2	507.5	525.9	482.9	279.9
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°
8498.0
8107.3
7513.8
6972.4
6646.4
6554.2
6628.0
6732.5
6732.5
6578.8
6292.7
5917.5
5483.8
5004.0
4582.7
4392.0
4112.1
3730.7
3417.0
3207.9
3054.1
2964.9
2743.5
2638.9
2512.8
2389.8
2245.2
2091.4
1937.6
1759.3
1599.3
1507.1
1141.1
907.3
692.0
399.8
0.0

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