

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: P851086

Luminaire Tested: **GLAN-SB8D-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851086
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-SB8D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52505 lumens
Efficiency: N/A
Efficacy: 89.8 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

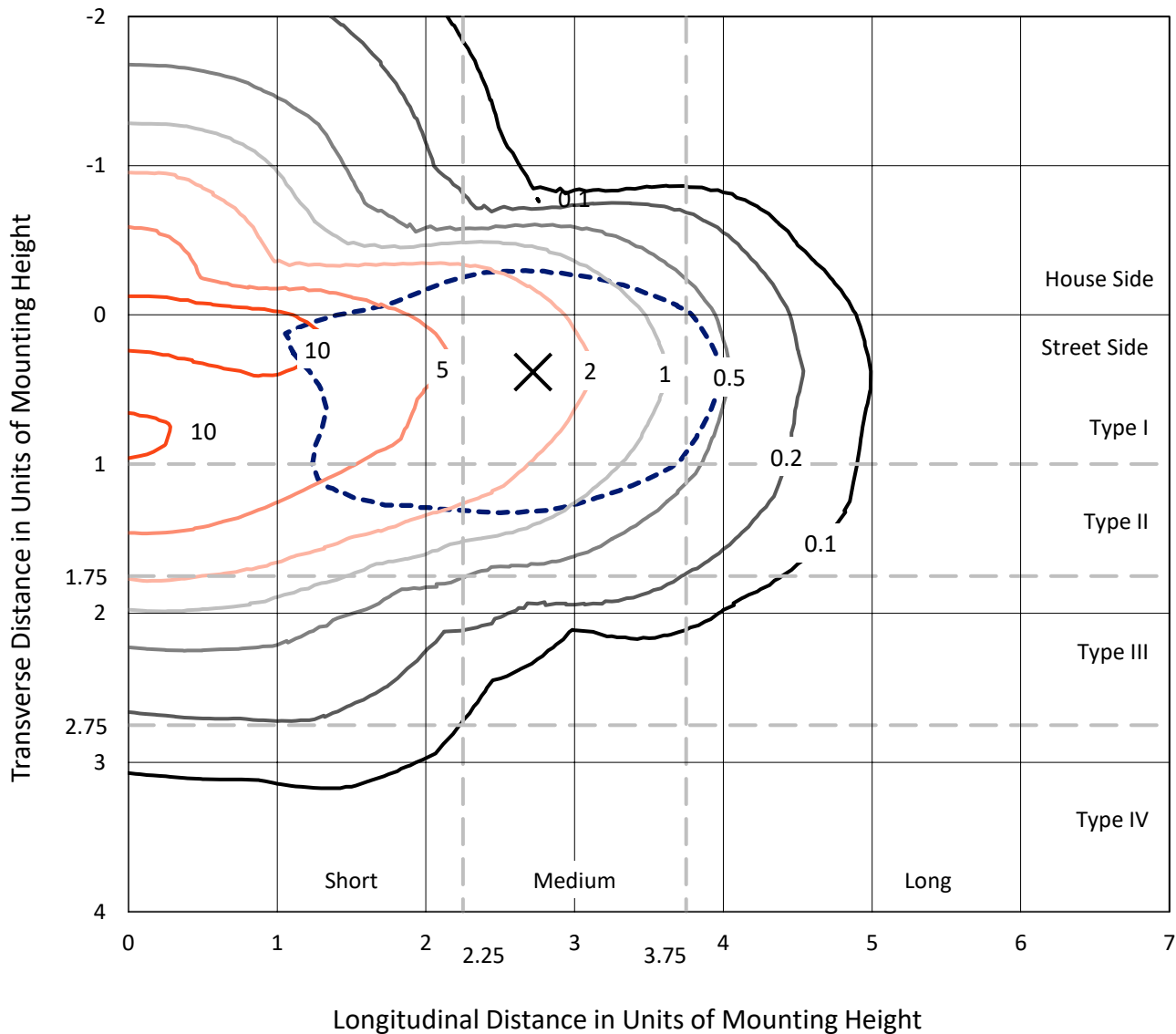
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

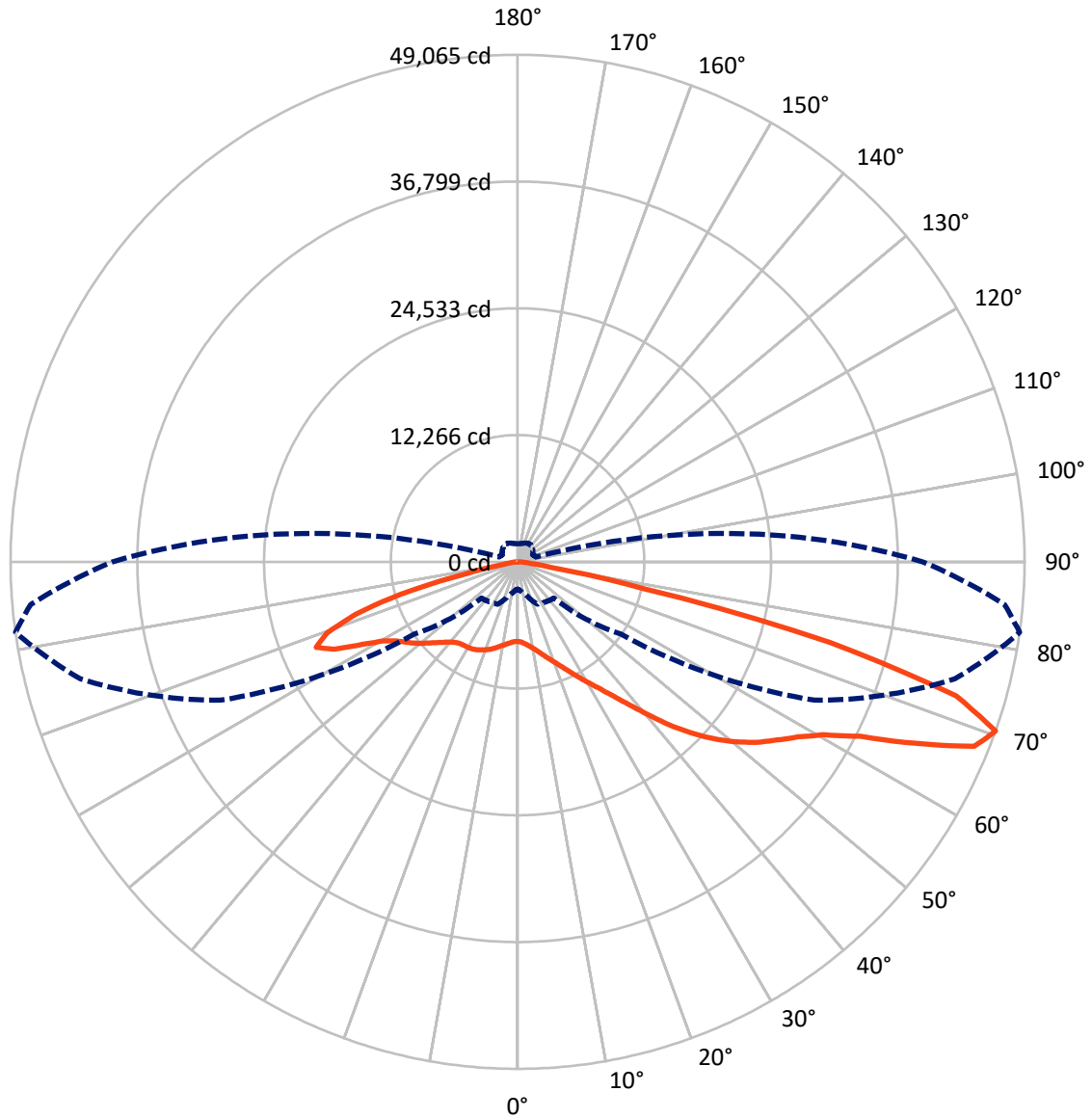
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 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	12943.8	0.0	12943.8
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	39561.2	0.0	39561.2
	% Fixture	75.3	0.0	75.3
Total	Lumens	52505.0	0.0	52505.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.8	1.4
10°-20°	2088.2	4.0
20°-30°	3493.3	6.7
30°-40°	5457.5	10.4
40°-50°	8691.7	16.6
50°-60°	12095.5	23.0
60°-70°	12652.5	24.1
70°-80°	6612.9	12.6
80°-90°	686.7	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°	52505.0	100.0
0°-180°	52505.0	100.0

Coefficient of Utilization



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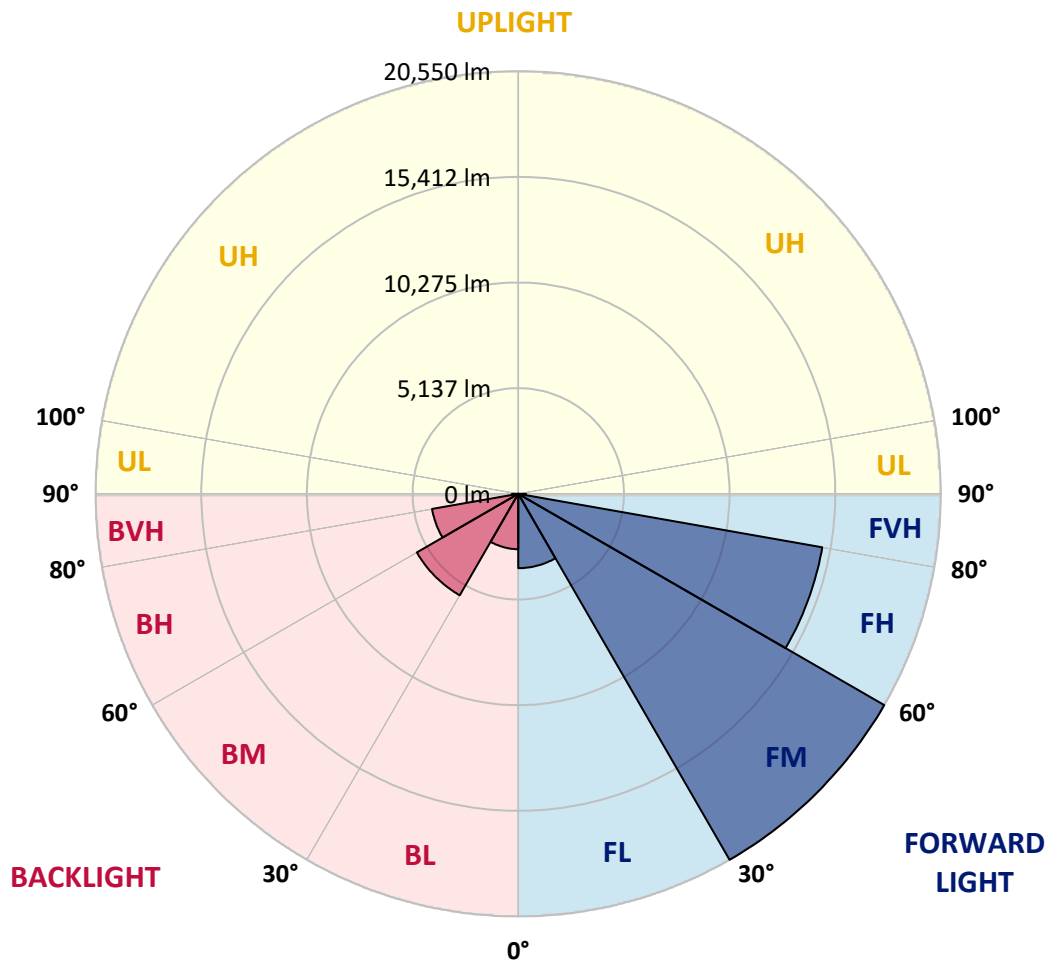
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3615.6	6.9			
FM (30°-60°)	20549.9	39.1			
FH (60°-80°)	15011.3	28.6			G5
FVH (80°-90°)	384.4	0.7			G3/500
BL (0°-30°)	2692.8	5.1	B4/5000		
BM (30°-60°)	5694.7	10.8	B4/8500		
BH (60°-80°)	4254.0	8.1	B4/5000		G4/5000
BVH (80°-90°)	302.3	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°	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9
2.5°	7881.8	7926.3	7912.4	7898.5	7898.5	7879.0	7876.2	7848.3	7826.0	7789.8
5°	7982.1	8029.4	8023.9	8035.0	8071.2	8079.6	8087.9	8071.2	8026.6	7982.1
7.5°	7892.9	7945.8	7962.6	8029.4	8140.9	8241.2	8316.4	8347.0	8305.3	8241.2
10°	7592.0	7650.5	7709.0	7867.8	8065.6	8302.5	8503.1	8622.9	8614.5	8553.2
12.5°	6981.9	7043.2	7168.5	7477.8	7840.0	8257.9	8631.2	8882.0	8968.3	8923.8
15°	6494.3	6547.2	6642.0	6959.6	7430.4	8065.6	8678.6	9166.1	9386.2	9361.2
17.5°	6480.4	6502.7	6561.2	6711.6	7073.8	7764.8	8628.4	9444.8	9865.4	9862.7
20°	6725.6	6733.9	6767.3	6798.0	7004.2	7536.3	8500.3	9676.0	10403.2	10403.2
22.5°	7065.5	7059.9	7093.3	7065.5	7165.8	7516.8	8419.5	9879.4	11002.2	11046.7
25°	7575.3	7547.4	7539.1	7475.0	7494.5	7697.9	8508.6	10110.6	11712.6	11804.5
27.5°	8255.1	8210.5	8179.9	8032.2	7982.1	8071.2	8781.7	10389.2	12503.8	12662.7
30°	9141.1	9060.3	9015.7	8759.4	8578.3	8592.2	9194.0	10759.8	13331.3	13587.6
32.5°	10350.2	10224.8	10105.0	9684.4	9352.8	9244.2	9726.1	11272.4	14228.4	14638.0
35°	11704.2	11603.9	11475.8	10826.6	10316.8	10066.0	10444.9	11988.4	15278.8	15927.9
37.5°	13008.1	12921.8	12983.0	12108.2	11450.7	11085.7	11386.6	12949.6	16574.3	17532.7
40°	14356.6	14289.7	14298.1	13462.3	12696.1	12286.5	12528.9	14156.0	18059.3	19441.1
42.5°	15822.0	15771.9	15604.7	14863.6	14002.7	13621.1	13843.9	15549.0	19652.9	21614.3
45°	17463.0	17432.4	17276.4	16426.6	15440.4	15011.3	15312.2	17086.9	21254.9	23659.2
47.5°	18881.1	18906.2	18886.7	18170.7	17148.2	16518.6	16878.0	18691.7	22745.4	25581.6
50°	19563.7	19694.7	19886.9	19664.0	19028.8	18388.0	18457.7	20240.7	24166.3	27384.2
52.5°	19207.1	19455.1	19978.9	20335.5	20580.6	20446.9	20260.2	21778.6	25503.6	29011.3
55°	17878.2	18226.4	19095.7	19956.6	21207.5	22179.8	22425.0	23483.7	26807.5	30443.3
57.5°	15457.1	16022.6	16802.7	18544.0	20650.3	23018.4	24949.2	25849.1	28189.4	31972.8
60°	11305.8	12063.6	13033.2	15624.2	18700.0	22569.9	27097.2	29482.1	30153.5	33953.7
62.5°	7235.4	7703.5	8595.0	11035.6	14571.1	20271.4	27754.8	34023.4	33482.9	37202.3
65°	4953.6	5254.5	6070.8	7441.6	9419.7	15089.3	25994.0	37428.0	38770.8	42350.9
67.5°	3599.6	3828.0	4524.6	5725.4	6137.7	8929.3	20171.1	37271.9	43911.1	47655.6
70°	2624.5	2786.1	3371.1	4524.6	4722.4	4967.5	12219.7	31683.1	43799.7	49065.3
72.5°	1944.7	2056.1	2448.9	3510.4	3822.5	3354.4	6048.5	23026.8	37636.9	44379.2
75°	1407.0	1490.5	1780.3	2685.8	3059.1	2554.8	3017.3	13456.7	26253.1	31217.8
77.5°	1075.4	1139.5	1329.0	1967.0	2448.9	1916.8	1872.2	6190.6	12448.1	12509.4
80°	863.7	905.5	1008.6	1384.7	1877.8	1434.8	1220.3	2499.1	3933.9	3329.3
82.5°	635.2	704.9	852.5	972.3	1342.9	989.1	743.9	1262.1	1496.1	1287.2
85°	362.2	409.6	515.4	696.5	858.1	604.6	426.3	560.0	696.5	571.1
87.5°	128.2	167.2	181.1	273.0	373.3	250.7	164.4	161.6	228.5	169.9
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°
7697.9	0°	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9	7697.9
7781.5	2.5°	7753.6	7739.7	7684.0	7608.7	7530.7	7455.5	7430.4	7377.5	7341.3	7321.8
7962.6	5°	7909.6	7865.1	7734.1	7566.9	7391.4	7202.0	7068.2	6945.7	6856.5	6772.9
8210.5	7.5°	8132.5	8054.5	7828.8	7536.3	7224.3	6909.4	6675.4	6497.1	6377.3	6299.3
8500.3	10°	8391.6	8271.8	7926.3	7488.9	7006.9	6555.6	6279.8	6126.6	6051.3	6009.5
8831.8	12.5°	8689.7	8519.8	8026.6	7380.3	6675.4	6160.0	5970.5	5926.0	5928.7	5931.5
9249.7	15°	9057.5	8820.7	8107.4	7143.5	6243.6	5856.3	5822.9	5895.3	5970.5	6006.7
9723.4	17.5°	9472.6	9138.3	8121.4	6753.4	5820.1	5661.3	5767.1	5923.2	6037.4	6087.5
10252.7	20°	9918.4	9461.5	8021.1	6201.8	5471.8	5502.5	5691.9	5892.5	6017.9	6082.0
10857.3	22.5°	10428.2	9806.9	7781.5	5622.3	5187.6	5329.7	5552.6	5747.6	5878.6	5942.7
11567.7	25°	11010.5	10194.2	7405.4	5134.7	4942.5	5134.7	5357.6	5519.2	5625.1	5683.6
12361.8	27.5°	11656.9	10598.2	6903.9	4747.4	4727.9	4934.1	5118.0	5243.4	5299.1	5343.7
13205.9	30°	12306.0	10965.9	6296.5	4454.9	4541.3	4736.3	4867.3	4923.0	4939.7	4948.0
14147.6	32.5°	13008.1	11283.6	5658.5	4212.5	4363.0	4544.1	4622.1	4647.2	4569.1	4516.2
15289.9	35°	13857.9	11623.5	5034.4	4020.3	4187.5	4343.5	4368.5	4346.3	4254.3	4145.7
16721.9	37.5°	14908.2	12046.9	4535.7	3883.8	4023.1	4126.2	4095.5	4089.9	4098.3	3970.1
18443.7	40°	16195.4	12598.6	4170.7	3777.9	3889.3	3911.6	3825.3	3872.6	3914.4	3719.4
20332.7	42.5°	17624.6	13264.4	3939.5	3705.5	3777.9	3725.0	3591.2	3644.2	3638.6	3382.3
22230.0	45°	19081.7	13988.8	3858.7	3652.5	3674.8	3568.9	3421.3	3435.2	3318.2	3087.0
24049.3	47.5°	20530.5	14766.1	3908.8	3608.0	3546.7	3426.9	3312.6	3251.3	3078.6	2905.9
25793.4	50°	21951.4	15582.4	4092.7	3518.8	3371.1	3301.5	3217.9	3109.2	2925.4	2777.7
27442.7	52.5°	23269.2	16404.3	4298.9	3371.1	3151.0	3192.8	3139.9	3014.5	2833.4	2683.0
29002.9	55°	24517.3	17226.2	4379.7	3167.8	2944.9	3098.1	3067.5	2836.2	2618.9	2496.3
30635.5	57.5°	25876.9	18215.3	4290.5	2908.6	2777.7	2989.4	2872.4	2616.1	2490.7	2398.8
32761.3	60°	27760.3	19767.1	4098.3	2588.3	2618.9	2827.9	2627.3	2521.4	2384.9	2281.8
35948.6	62.5°	30889.1	22661.8	3789.0	2270.6	2432.2	2588.3	2510.2	2404.4	2265.1	2164.8
41398.1	65°	35513.9	26684.9	3206.8	2022.7	2223.3	2354.2	2384.9	2279.0	2134.1	2028.3
46173.4	67.5°	39414.4	29209.1	2426.7	1816.5	2008.8	2164.8	2251.1	2148.1	1994.8	1891.7
47290.6	70°	39199.9	27375.8	1852.7	1613.1	1819.3	1978.1	2089.5	2008.8	1844.4	1746.9
42955.5	72.5°	34817.4	22901.4	1498.9	1407.0	1627.1	1783.1	1916.8	1855.5	1688.4	1593.6
31468.6	75°	25578.8	16256.7	1198.0	1198.0	1387.5	1579.7	1727.4	1688.4	1535.1	1468.3
13211.5	77.5°	10782.1	6820.3	938.9	994.6	1153.4	1356.8	1540.7	1554.6	1420.9	1504.5
3493.7	80°	2866.9	1880.6	716.0	782.9	905.5	1120.0	1340.1	1334.5	1189.6	1111.6
1298.3	82.5°	1092.1	741.1	509.8	551.6	654.7	858.1	1061.5	1094.9	950.0	821.9
509.8	85°	420.7	317.6	314.8	331.5	381.7	568.4	802.4	830.2	716.0	607.4
142.1	87.5°	108.7	94.7	117.0	111.4	175.5	303.7	459.7	476.4	437.4	253.5
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°
7697.9
7344.1
6806.3
6316.0
6020.7
5937.1
6004.0
6098.7
6098.7
5959.4
5700.3
5360.4
4967.5
4532.9
4151.2
3978.5
3725.0
3379.5
3095.3
2905.9
2766.6
2685.8
2485.2
2390.4
2276.2
2164.8
2033.8
1894.5
1755.2
1593.6
1448.8
1365.2
1033.6
821.9
626.9
362.2
0.0

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