

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: P851096

Luminaire Tested: **GLAN-SB8D-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851096
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-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55005 lumens
Efficiency: N/A
Efficacy: 94.0 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

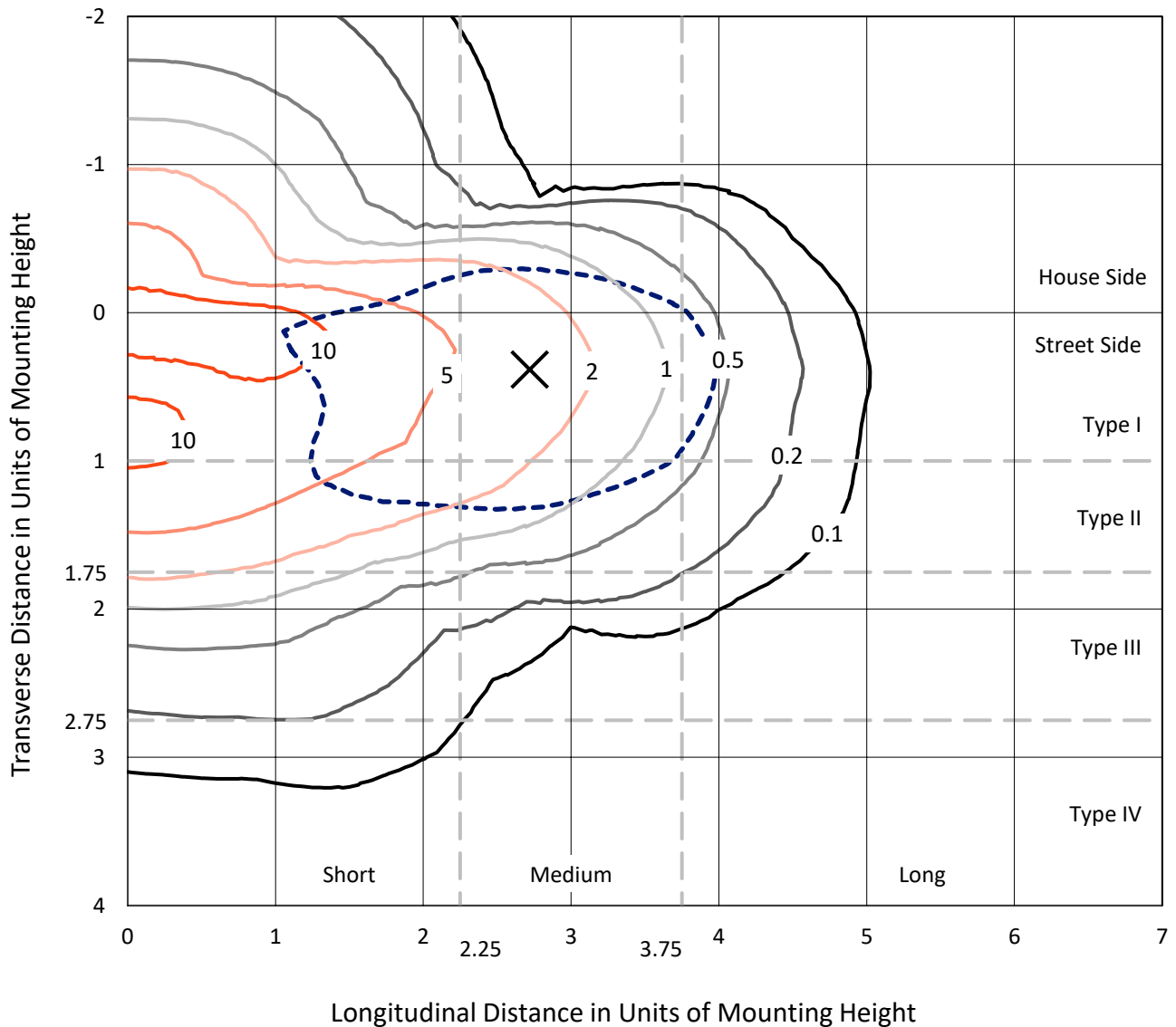
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

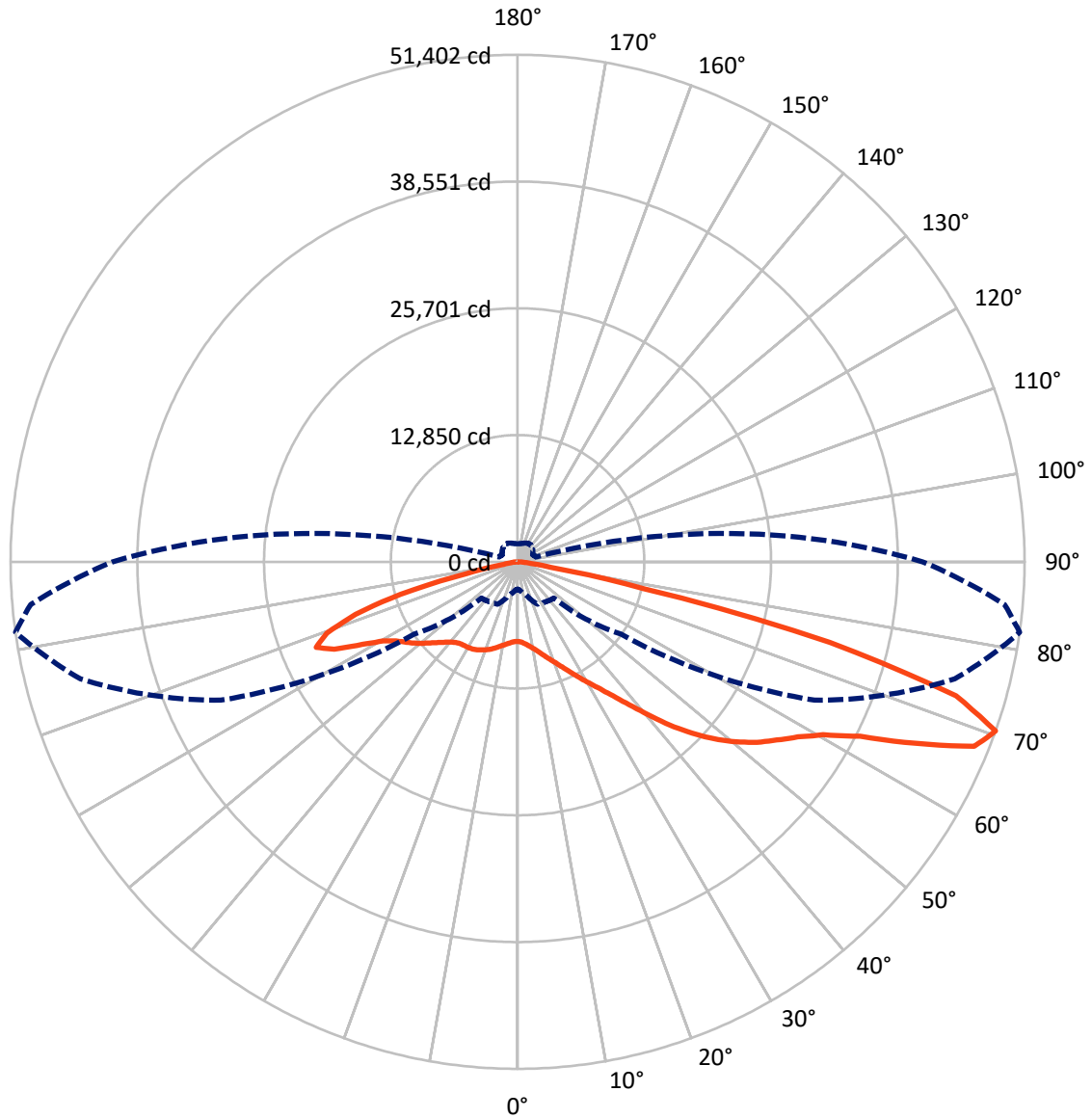
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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	13560.1	0.0	13560.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	41444.9	0.0	41444.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	55005.0	0.0	55005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	761.4	1.4
10°-20°	2187.6	4.0
20°-30°	3659.7	6.7
30°-40°	5717.3	10.4
40°-50°	9105.5	16.6
50°-60°	12671.4	23.0
60°-70°	13254.9	24.1
70°-80°	6927.7	12.6
80°-90°	719.4	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°	55005.0	100.0
0°-180°	55005.0	100.0

Coefficient of Utilization

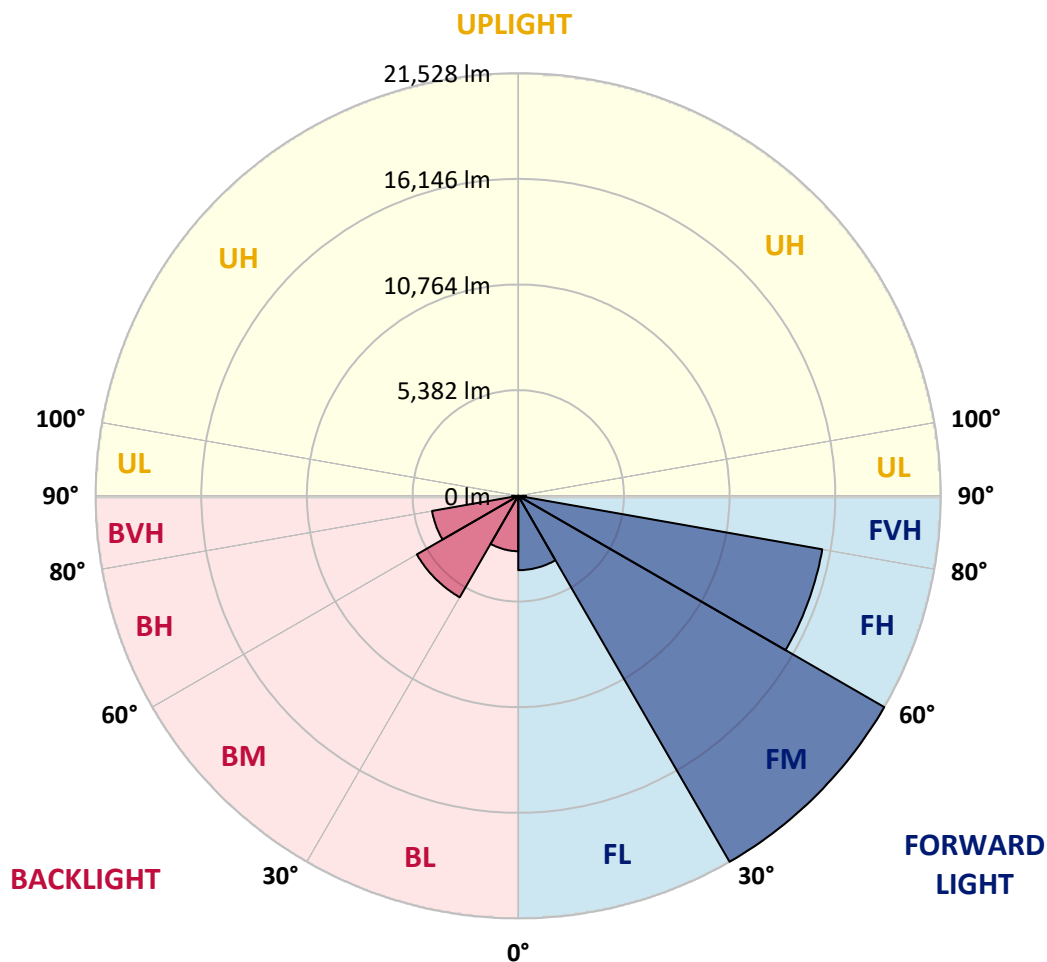


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3787.7	6.9			
FM (30°-60°)	21528.4	39.1			
FH (60°-80°)	15726.1	28.6			G5
FVH (80°-90°)	402.7	0.7			G3/500
BL (0°-30°)	2821.0	5.1	B4/5000		
BM (30°-60°)	5965.9	10.8	B4/8500		
BH (60°-80°)	4456.5	8.1	B4/5000		G4/5000
BVH (80°-90°)	316.7	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°	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4
2.5°	8257.1	8303.8	8289.2	8274.6	8274.6	8254.1	8251.2	8222.0	8198.7	8160.7
5°	8362.1	8411.7	8405.9	8417.6	8455.5	8464.3	8473.0	8455.5	8408.8	8362.1
7.5°	8268.7	8324.2	8341.7	8411.7	8528.5	8633.6	8712.4	8744.5	8700.7	8633.6
10°	7953.5	8014.8	8076.1	8242.5	8449.7	8697.8	8907.9	9033.4	9024.7	8960.5
12.5°	7314.3	7378.5	7509.9	7833.8	8213.3	8651.1	9042.2	9304.9	9395.4	9348.7
15°	6803.5	6859.0	6958.2	7291.0	7784.2	8449.7	9091.8	9602.6	9833.2	9806.9
17.5°	6788.9	6812.3	6873.6	7031.2	7410.6	8134.5	9039.3	9894.5	10335.2	10332.3
20°	7045.8	7054.5	7089.6	7121.7	7337.7	7895.1	8905.0	10136.7	10898.5	10898.5
22.5°	7401.9	7396.0	7431.1	7401.9	7506.9	7874.7	8820.4	10349.8	11526.0	11572.7
25°	7936.0	7906.8	7898.1	7830.9	7851.4	8064.4	8913.8	10592.0	12270.3	12366.6
27.5°	8648.2	8601.5	8569.4	8414.7	8362.1	8455.5	9199.8	10883.9	13099.2	13265.6
30°	9576.3	9491.7	9445.0	9176.5	8986.7	9001.3	9631.8	11272.1	13966.1	14234.6
32.5°	10843.0	10711.7	10586.2	10145.5	9798.1	9684.3	10189.2	11809.1	14905.9	15335.0
35°	12261.5	12156.5	12022.2	11342.1	10808.0	10545.3	10942.3	12559.2	16006.3	16686.3
37.5°	13627.5	13537.0	13601.2	12684.8	11995.9	11613.6	11928.8	13566.2	17363.5	18367.5
40°	15040.2	14970.1	14978.9	14103.3	13300.6	12871.6	13125.5	14830.0	18919.1	20366.8
42.5°	16575.4	16522.9	16347.7	15571.4	14669.5	14269.6	14503.1	16289.4	20588.6	22643.4
45°	18294.5	18262.4	18099.0	17208.8	16175.5	15726.1	16041.3	17900.5	22266.9	24785.8
47.5°	19780.2	19806.4	19786.0	19035.9	17964.7	17305.1	17681.6	19581.7	23828.4	26799.7
50°	20495.2	20632.4	20833.8	20600.3	19934.9	19263.5	19336.5	21204.5	25317.0	28688.1
52.5°	20121.6	20381.4	20930.1	21303.7	21560.6	21420.5	21224.9	22815.6	26718.0	30392.6
55°	18729.4	19094.3	20004.9	20906.8	22217.3	23235.9	23492.8	24601.9	28083.9	31892.8
57.5°	16193.1	16785.6	17602.8	19427.0	21633.5	24114.5	26137.1	27079.9	29531.6	33495.2
60°	11844.2	12638.1	13653.8	16368.2	19590.4	23644.5	28387.5	30885.9	31589.3	35570.4
62.5°	7579.9	8070.3	9004.2	11561.0	15264.9	21236.6	29076.3	35643.4	35077.2	38973.7
65°	5189.5	5504.7	6359.9	7795.9	9868.2	15807.8	27231.6	39210.1	40616.9	44367.4
67.5°	3771.0	4010.3	4740.0	5998.0	6429.9	9354.5	21131.5	39046.6	46001.9	49924.7
70°	2749.4	2918.7	3531.7	4740.0	4947.2	5204.1	12801.5	33191.7	45885.2	51401.6
72.5°	2037.3	2154.0	2565.6	3677.6	4004.5	3514.1	6336.5	24123.2	39429.0	46492.3
75°	1474.0	1561.5	1865.1	2813.6	3204.8	2676.5	3161.0	14097.4	27503.1	32704.2
77.5°	1126.6	1193.8	1392.2	2060.6	2565.6	2008.1	1961.4	6485.4	13040.8	13105.0
80°	904.8	948.6	1056.6	1450.6	1967.2	1503.1	1278.4	2618.1	4121.2	3487.9
82.5°	665.5	738.4	893.1	1018.6	1406.8	1036.1	779.3	1322.2	1567.4	1348.4
85°	379.4	429.1	540.0	729.7	899.0	633.4	446.6	586.7	729.7	598.3
87.5°	134.3	175.1	189.7	286.0	391.1	262.7	172.2	169.3	239.3	178.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
8064.4	0°	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4	8064.4
8152.0	2.5°	8122.8	8108.2	8049.8	7971.0	7889.3	7810.5	7784.2	7728.8	7690.8	7670.4
8341.7	5°	8286.2	8239.5	8102.4	7927.2	7743.4	7544.9	7404.8	7276.4	7183.0	7095.4
8601.5	7.5°	8519.7	8438.0	8201.6	7895.1	7568.2	7238.4	6993.3	6806.5	6680.9	6599.2
8905.0	10°	8791.2	8665.7	8303.8	7845.5	7340.6	6867.7	6578.8	6418.3	6339.5	6295.7
9252.3	12.5°	9103.5	8925.4	8408.8	7731.7	6993.3	6453.3	6254.8	6208.1	6211.0	6214.0
9690.1	15°	9488.8	9240.7	8493.5	7483.6	6540.8	6135.1	6100.1	6176.0	6254.8	6292.8
10186.3	17.5°	9923.6	9573.4	8508.1	7075.0	6097.2	5930.8	6041.7	6205.2	6324.9	6377.4
10740.9	20°	10390.6	9912.0	8403.0	6497.1	5732.4	5764.5	5962.9	6173.1	6304.4	6371.6
11374.2	22.5°	10924.8	10273.9	8152.0	5890.0	5434.7	5583.5	5817.0	6021.3	6158.5	6225.6
12118.5	25°	11534.8	10679.6	7758.0	5379.2	5177.8	5379.2	5612.7	5782.0	5892.9	5954.2
12950.4	27.5°	12211.9	11102.8	7232.6	4973.5	4953.1	5169.1	5361.7	5493.0	5551.4	5598.1
13834.7	30°	12892.0	11488.1	6596.3	4667.0	4757.5	4961.8	5099.0	5157.4	5174.9	5183.6
14821.3	32.5°	13627.5	11820.8	5927.9	4413.1	4570.7	4760.4	4842.2	4868.4	4786.7	4731.2
16017.9	35°	14517.7	12176.9	5274.1	4211.7	4386.8	4550.3	4576.6	4553.2	4456.9	4343.1
17518.2	37.5°	15618.1	12620.5	4751.7	4068.7	4214.6	4322.6	4290.5	4284.7	4293.4	4159.2
19321.9	40°	16966.5	13198.4	4369.3	3957.8	4074.5	4097.9	4007.4	4057.0	4100.8	3896.5
21300.8	42.5°	18463.8	13896.0	4127.1	3881.9	3957.8	3902.3	3762.2	3817.7	3811.8	3543.3
23288.5	45°	19990.3	14654.9	4042.4	3826.4	3849.8	3738.9	3584.2	3598.8	3476.2	3233.9
25194.4	47.5°	21508.0	15469.2	4095.0	3779.7	3715.5	3590.0	3470.4	3406.1	3225.2	3044.2
27021.5	50°	22996.6	16324.4	4287.6	3686.3	3531.7	3458.7	3371.1	3257.3	3064.7	2910.0
28749.4	52.5°	24377.1	17185.4	4503.6	3531.7	3301.1	3344.9	3289.4	3158.1	2968.3	2810.7
30383.9	55°	25684.7	18046.4	4588.2	3318.6	3085.1	3245.6	3213.5	2971.3	2743.6	2615.2
32094.2	57.5°	27109.1	19082.6	4494.8	3047.1	2910.0	3131.8	3009.2	2740.7	2609.3	2513.0
34321.2	60°	29082.1	20708.3	4293.4	2711.5	2743.6	2962.5	2752.4	2641.4	2498.4	2390.4
37660.2	62.5°	32359.8	23740.9	3969.5	2378.8	2548.0	2711.5	2629.8	2518.9	2372.9	2267.8
43369.2	65°	37204.9	27955.5	3359.4	2119.0	2329.1	2466.3	2498.4	2387.5	2235.7	2124.8
48371.9	67.5°	41291.1	30599.9	2542.2	1903.0	2104.4	2267.8	2358.3	2250.3	2089.8	1981.8
49542.3	70°	41066.4	28679.3	1940.9	1689.9	1905.9	2072.3	2189.0	2104.4	1932.2	1830.0
45000.8	72.5°	36475.2	23991.9	1570.3	1474.0	1704.5	1868.0	2008.1	1943.9	1768.7	1669.5
32966.9	75°	26796.8	17030.7	1255.0	1255.0	1453.5	1654.9	1809.6	1768.7	1608.2	1538.2
13840.6	77.5°	11295.4	7145.0	983.6	1042.0	1208.3	1421.4	1614.1	1628.6	1488.5	1576.1
3660.1	80°	3003.4	1970.1	750.1	820.2	948.6	1173.3	1403.9	1398.1	1246.3	1164.6
1360.1	82.5°	1144.1	776.4	534.1	577.9	685.9	899.0	1112.0	1147.1	995.3	861.0
534.1	85°	440.7	332.7	329.8	347.3	399.9	595.4	840.6	869.8	750.1	636.3
148.9	87.5°	113.8	99.2	122.6	116.7	183.9	318.1	481.6	499.1	458.2	265.6
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°
8064.4
7693.7
7130.4
6616.7
6307.4
6219.8
6289.8
6389.1
6389.1
6243.1
5971.7
5615.6
5204.1
4748.8
4348.9
4167.9
3902.3
3540.4
3242.7
3044.2
2898.3
2813.6
2603.5
2504.3
2384.6
2267.8
2130.7
1984.7
1838.8
1669.5
1517.7
1430.2
1082.8
861.0
656.7
379.4
0.0

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