

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: P848946

Luminaire Tested: **GLAN-SB5D-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848946
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-SB5D-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49200 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

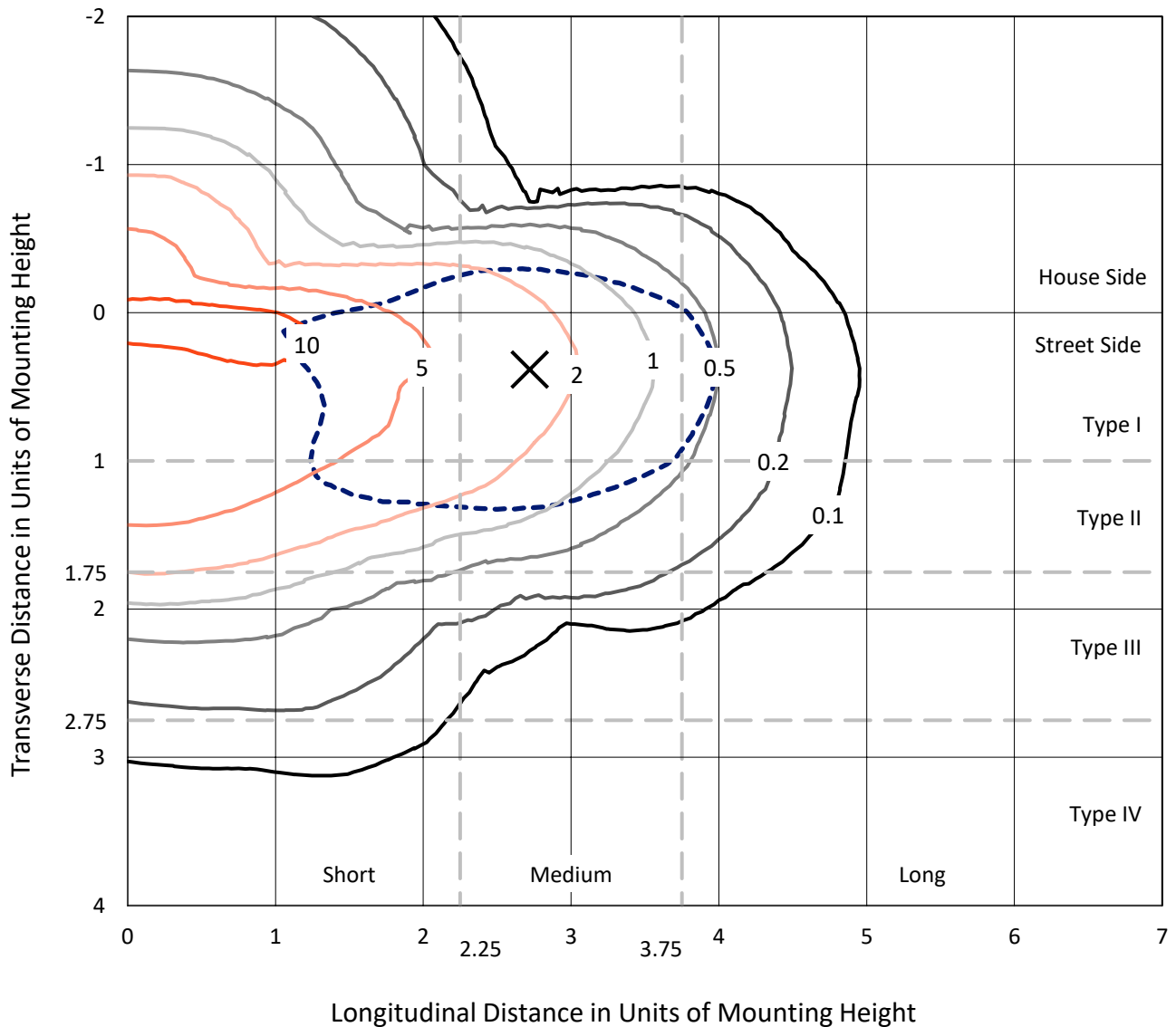
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

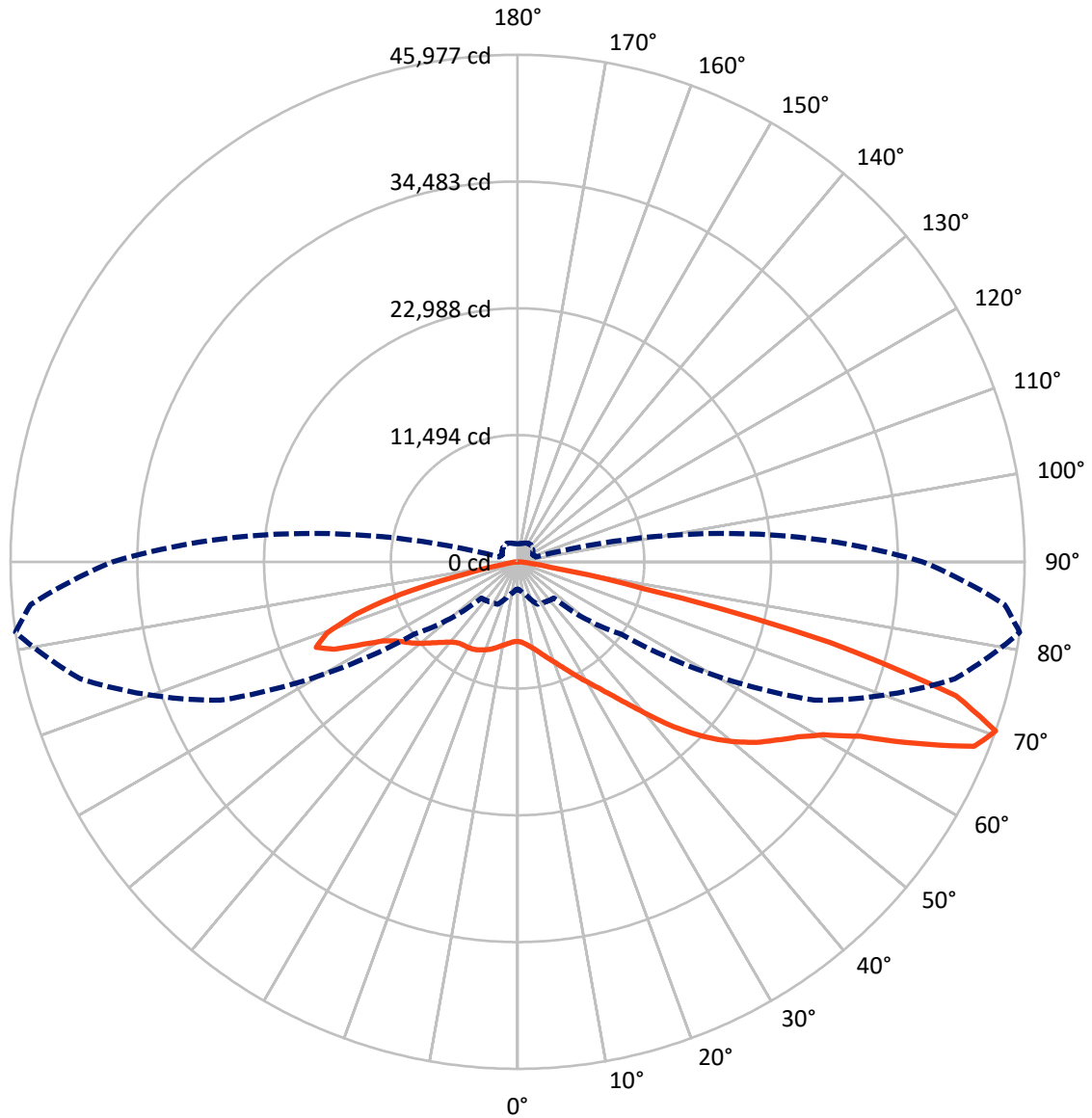
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 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	12129.0	0.0	12129.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	37071.0	0.0	37071.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	49200.0	0.0	49200.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.1	1.4
10°-20°	1956.7	4.0
20°-30°	3273.4	6.7
30°-40°	5114.0	10.4
40°-50°	8144.6	16.6
50°-60°	11334.2	23.0
60°-70°	11856.0	24.1
70°-80°	6196.6	12.6
80°-90°	643.4	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°	49200.0	100.0
0°-180°	49200.0	100.0

Coefficient of Utilization

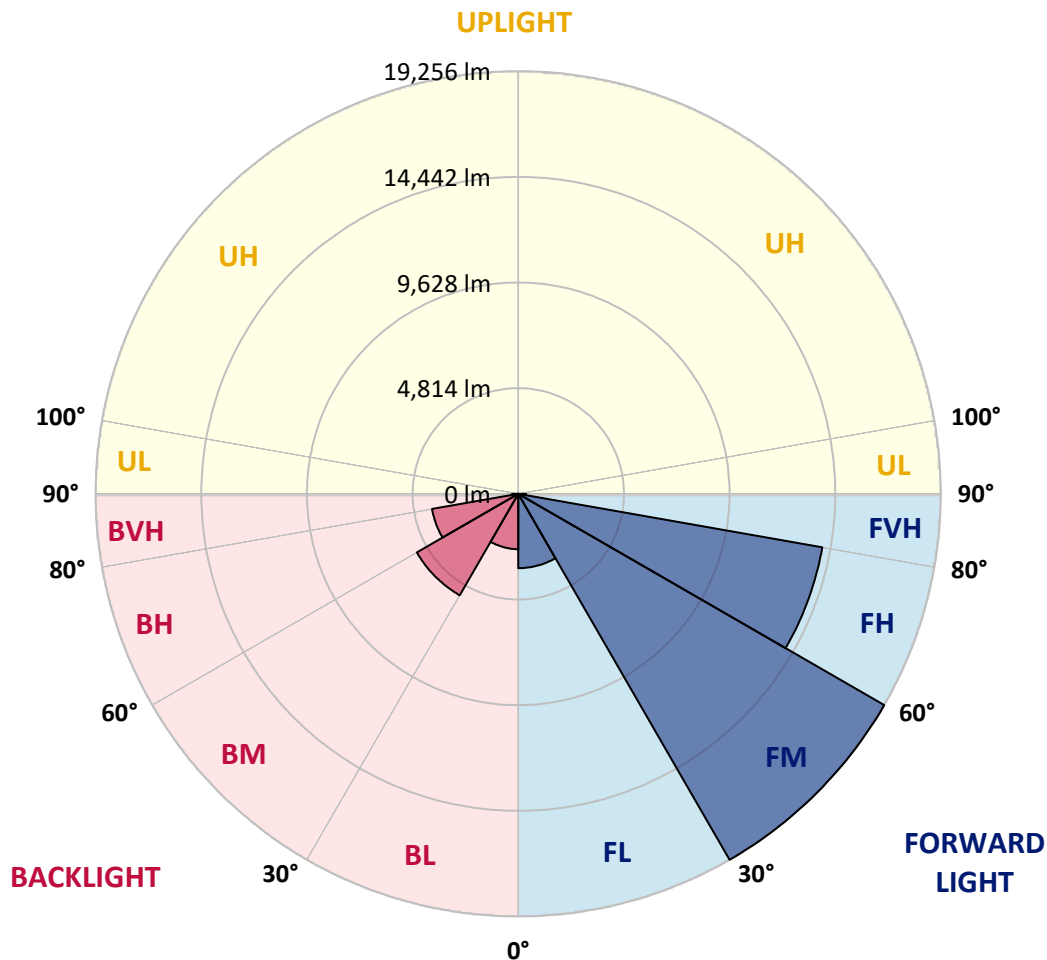


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3388.0	6.9			
FM (30°-60°)	19256.4	39.1			
FH (60°-80°)	14066.4	28.6			G5
FVH (80°-90°)	360.2	0.7			G3/500
BL (0°-30°)	2523.3	5.1	B4/5000		
BM (30°-60°)	5336.3	10.8	B4/8500		
BH (60°-80°)	3986.2	8.1	B4/5000		G4/5000
BVH (80°-90°)	283.2	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°	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3
2.5°	7385.6	7427.4	7414.4	7401.3	7401.3	7383.0	7380.4	7354.3	7333.4	7299.5
5°	7479.6	7524.0	7518.8	7529.2	7563.2	7571.0	7578.8	7563.2	7521.4	7479.6
7.5°	7396.1	7445.7	7461.4	7524.0	7628.4	7722.4	7792.9	7821.6	7782.5	7722.4
10°	7114.1	7169.0	7223.8	7372.6	7557.9	7779.9	7967.8	8080.1	8072.3	8014.8
12.5°	6542.4	6599.8	6717.3	7007.1	7346.5	7738.1	8087.9	8322.9	8403.8	8362.0
15°	6085.5	6135.1	6223.9	6521.5	6962.7	7557.9	8132.3	8589.2	8795.4	8771.9
17.5°	6072.5	6093.3	6148.2	6289.2	6628.5	7276.0	8085.3	8850.2	9244.5	9241.8
20°	6302.2	6310.0	6341.4	6370.1	6563.3	7061.9	7965.2	9066.9	9748.3	9748.3
22.5°	6620.7	6615.5	6646.8	6620.7	6714.7	7043.6	7889.5	9257.5	10309.6	10351.4
25°	7098.5	7072.4	7064.5	7004.5	7022.8	7213.3	7973.0	9474.2	10975.3	11061.5
27.5°	7735.5	7693.7	7665.0	7526.6	7479.6	7563.2	8228.9	9735.3	11716.8	11865.6
30°	8565.7	8490.0	8448.2	8208.0	8038.3	8051.4	8615.3	10082.5	12492.1	12732.3
32.5°	9698.7	9581.2	9469.0	9074.8	8764.1	8662.3	9113.9	10562.8	13332.8	13716.6
35°	10967.5	10873.5	10753.4	10145.1	9667.4	9432.4	9787.5	11233.8	14317.0	14925.3
37.5°	12189.3	12108.4	12165.8	11346.1	10729.9	10387.9	10669.9	12134.5	15531.0	16429.1
40°	13452.9	13390.2	13398.1	12614.9	11896.9	11513.1	11740.3	13264.9	16922.5	18217.4
42.5°	14826.1	14779.1	14622.5	13928.0	13121.3	12763.7	12972.5	14570.3	18415.8	20253.7
45°	16363.8	16335.1	16188.9	15392.6	14468.4	14066.4	14348.3	16011.4	19917.0	22170.0
47.5°	17692.6	17716.1	17697.9	17026.9	16068.8	15478.8	15815.6	17515.1	21313.7	23971.4
50°	18332.3	18455.0	18635.1	18426.2	17831.0	17230.6	17295.8	18966.7	22645.1	25660.5
52.5°	17998.1	18230.4	18721.3	19055.4	19285.2	19159.9	18984.9	20407.8	23898.3	27185.1
55°	16752.8	17079.1	17893.7	18700.4	19872.6	20783.7	21013.4	22005.5	25120.1	28527.0
57.5°	14484.1	15014.1	15745.1	17376.7	19350.4	21569.5	23378.7	24222.0	26415.0	29960.3
60°	10594.2	11304.3	12212.8	14640.7	17522.9	21149.2	25391.6	27626.3	28255.5	31816.5
62.5°	6780.0	7218.6	8054.0	10340.9	13653.9	18995.4	26007.7	31881.7	31375.3	34860.5
65°	4641.8	4923.8	5688.7	6973.2	8826.7	14139.5	24357.7	35072.0	36330.4	39685.1
67.5°	3373.0	3587.1	4239.8	5365.0	5751.3	8367.3	18901.4	34925.8	41147.1	44655.8
70°	2459.3	2610.7	3158.9	4239.8	4425.1	4654.9	11450.5	29688.8	41042.7	45976.9
72.5°	1822.3	1926.7	2294.8	3289.5	3581.9	3143.3	5667.8	21577.3	35267.8	41585.7
75°	1318.4	1396.7	1668.2	2516.7	2866.5	2394.0	2827.4	12609.6	24600.5	29252.8
77.5°	1007.7	1067.8	1245.3	1843.1	2294.8	1796.2	1754.4	5801.0	11664.6	11722.0
80°	809.3	848.5	945.1	1297.5	1759.6	1344.5	1143.5	2341.8	3686.3	3119.8
82.5°	595.2	660.5	798.9	911.1	1258.4	926.8	697.1	1182.6	1401.9	1206.1
85°	339.4	383.8	483.0	652.7	804.1	566.5	399.4	524.7	652.7	535.2
87.5°	120.1	156.6	169.7	255.8	349.8	235.0	154.0	151.4	214.1	159.3
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°
7213.3	0°	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3	7213.3
7291.7	2.5°	7265.5	7252.5	7200.3	7129.8	7056.7	6986.2	6962.7	6913.1	6879.2	6860.9
7461.4	5°	7411.7	7370.0	7247.3	7090.6	6926.2	6748.6	6623.3	6508.4	6424.9	6346.6
7693.7	7.5°	7620.6	7547.5	7336.0	7061.9	6769.5	6474.5	6255.2	6088.1	5975.9	5902.8
7965.2	10°	7863.4	7751.1	7427.4	7017.5	6565.9	6143.0	5884.5	5740.9	5670.4	5631.3
8275.9	12.5°	8142.7	7983.5	7521.4	6915.7	6255.2	5772.2	5594.7	5552.9	5555.5	5558.2
8667.5	15°	8487.4	8265.4	7597.1	6693.8	5850.6	5487.7	5456.3	5524.2	5594.7	5628.6
9111.3	17.5°	8876.3	8563.1	7610.2	6328.3	5453.7	5304.9	5404.1	5550.3	5657.4	5704.4
9607.3	20°	9294.1	8865.9	7516.2	5811.4	5127.4	5156.1	5333.6	5521.6	5639.1	5699.1
10173.9	22.5°	9771.8	9189.6	7291.7	5268.4	4861.1	4994.2	5203.1	5385.9	5508.6	5568.6
10839.6	25°	10317.4	9552.5	6939.2	4811.5	4631.4	4811.5	5020.4	5171.8	5271.0	5325.8
11583.6	27.5°	10923.1	9931.1	6469.3	4448.6	4430.3	4623.5	4795.8	4913.3	4965.5	5007.3
12374.7	30°	11531.4	10275.7	5900.2	4174.5	4255.4	4438.2	4560.9	4613.1	4628.8	4636.6
13257.1	32.5°	12189.3	10573.3	5302.3	3947.4	4088.3	4258.0	4331.1	4354.6	4281.5	4231.9
14327.5	35°	12985.6	10891.8	4717.5	3767.2	3923.9	4070.1	4093.6	4072.7	3986.5	3884.7
15669.4	37.5°	13969.8	11288.6	4250.2	3639.3	3769.8	3866.4	3837.7	3832.5	3840.3	3720.2
17282.8	40°	15175.9	11805.5	3908.2	3540.1	3644.5	3665.4	3584.5	3628.9	3668.0	3485.3
19052.8	42.5°	16515.2	12429.5	3691.5	3472.2	3540.1	3490.5	3365.2	3414.8	3409.6	3169.4
20830.7	45°	17880.6	13108.3	3615.8	3422.6	3443.5	3344.3	3205.9	3219.0	3109.3	2892.6
22535.5	47.5°	19238.2	13836.7	3662.8	3380.8	3323.4	3211.1	3104.1	3046.7	2884.8	2722.9
24169.8	50°	20569.6	14601.6	3835.1	3297.3	3158.9	3093.7	3015.3	2913.5	2741.2	2602.9
25715.3	52.5°	21804.5	15371.7	4028.3	3158.9	2952.7	2991.9	2942.2	2824.8	2655.1	2514.1
27177.3	55°	22974.1	16141.9	4104.0	2968.4	2759.5	2903.1	2874.4	2657.7	2454.0	2339.2
28707.1	57.5°	24248.1	17068.7	4020.5	2725.6	2602.9	2801.3	2691.6	2451.4	2334.0	2247.8
30699.1	60°	26012.9	18522.8	3840.3	2425.3	2454.0	2649.8	2461.9	2362.7	2234.8	2138.2
33685.7	62.5°	28944.7	21235.3	3550.5	2127.7	2279.1	2425.3	2352.2	2253.0	2122.5	2028.5
38792.2	65°	33278.5	25005.2	3004.9	1895.4	2083.3	2206.0	2234.8	2135.5	1999.8	1900.6
43267.0	67.5°	36933.4	27370.5	2273.9	1702.2	1882.3	2028.5	2109.4	2012.8	1869.3	1772.7
44313.8	70°	36732.4	25652.6	1736.1	1511.6	1704.8	1853.6	1958.0	1882.3	1728.3	1636.9
40251.6	72.5°	32625.8	21459.9	1404.6	1318.4	1524.6	1670.8	1796.2	1738.7	1582.1	1493.3
29487.7	75°	23968.7	15233.4	1122.6	1122.6	1300.1	1480.3	1618.6	1582.1	1438.5	1375.8
12379.9	77.5°	10103.4	6391.0	879.8	932.0	1080.8	1271.4	1443.7	1456.8	1331.5	1409.8
3273.8	80°	2686.4	1762.2	670.9	733.6	848.5	1049.5	1255.7	1250.5	1114.8	1041.7
1216.6	82.5°	1023.4	694.4	477.8	516.9	613.5	804.1	994.7	1026.0	890.2	770.2
477.8	85°	394.2	297.6	295.0	310.7	357.7	532.6	751.9	778.0	670.9	569.1
133.1	87.5°	101.8	88.8	109.6	104.4	164.5	284.6	430.8	446.4	409.9	237.6
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°
7213.3
6881.8
6377.9
5918.4
5641.7
5563.4
5626.0
5714.8
5714.8
5584.3
5341.5
5023.0
4654.9
4247.6
3889.9
3728.1
3490.5
3166.8
2900.5
2722.9
2592.4
2516.7
2328.7
2240.0
2132.9
2028.5
1905.8
1775.3
1644.7
1493.3
1357.6
1279.2
968.6
770.2
587.4
339.4
0.0

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