

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: P853242

Luminaire Tested: **GLAN-SB9D-730-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853242  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-730-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 67790 lumens  
Efficiency: N/A  
Efficacy: 103.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

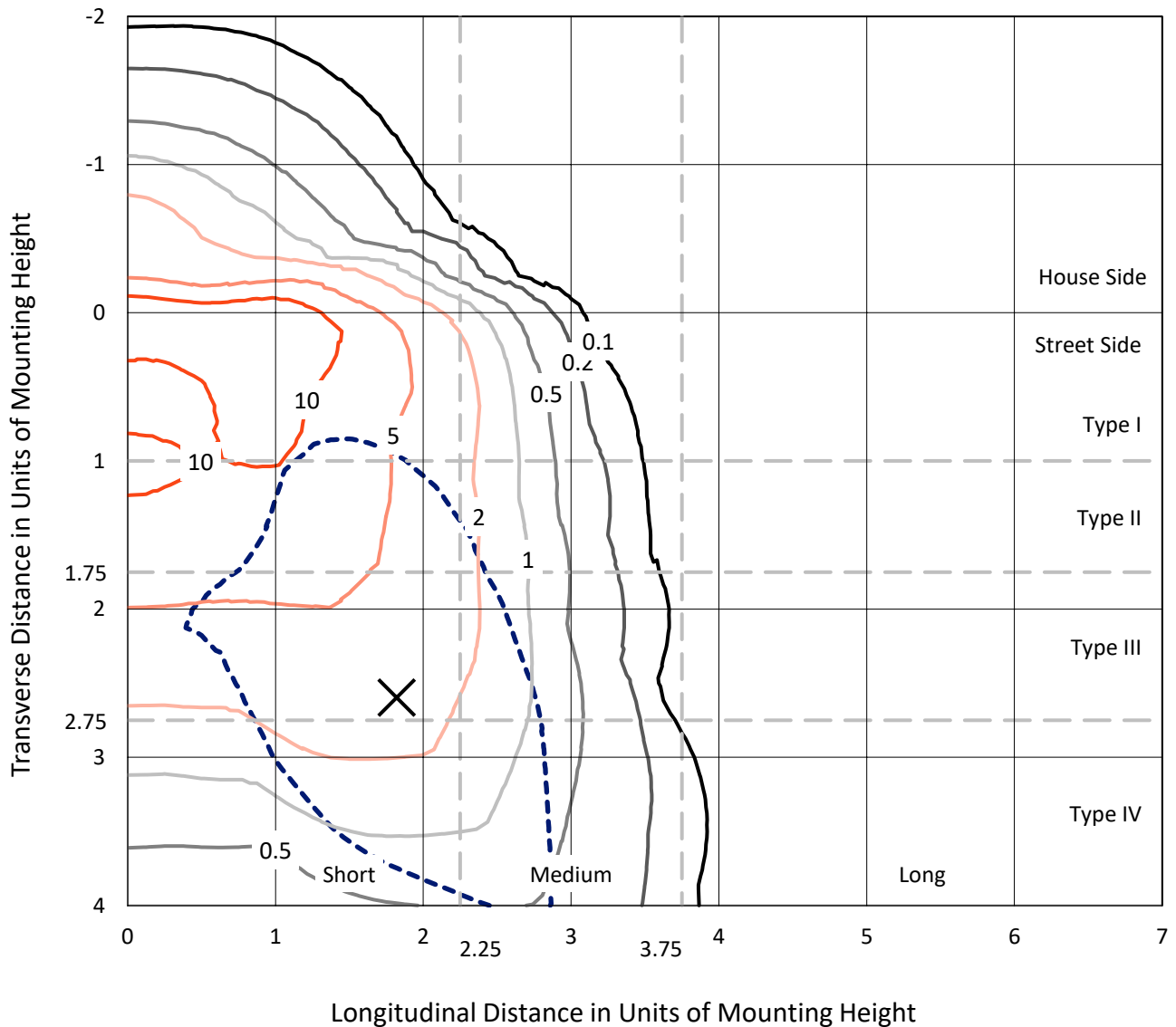
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

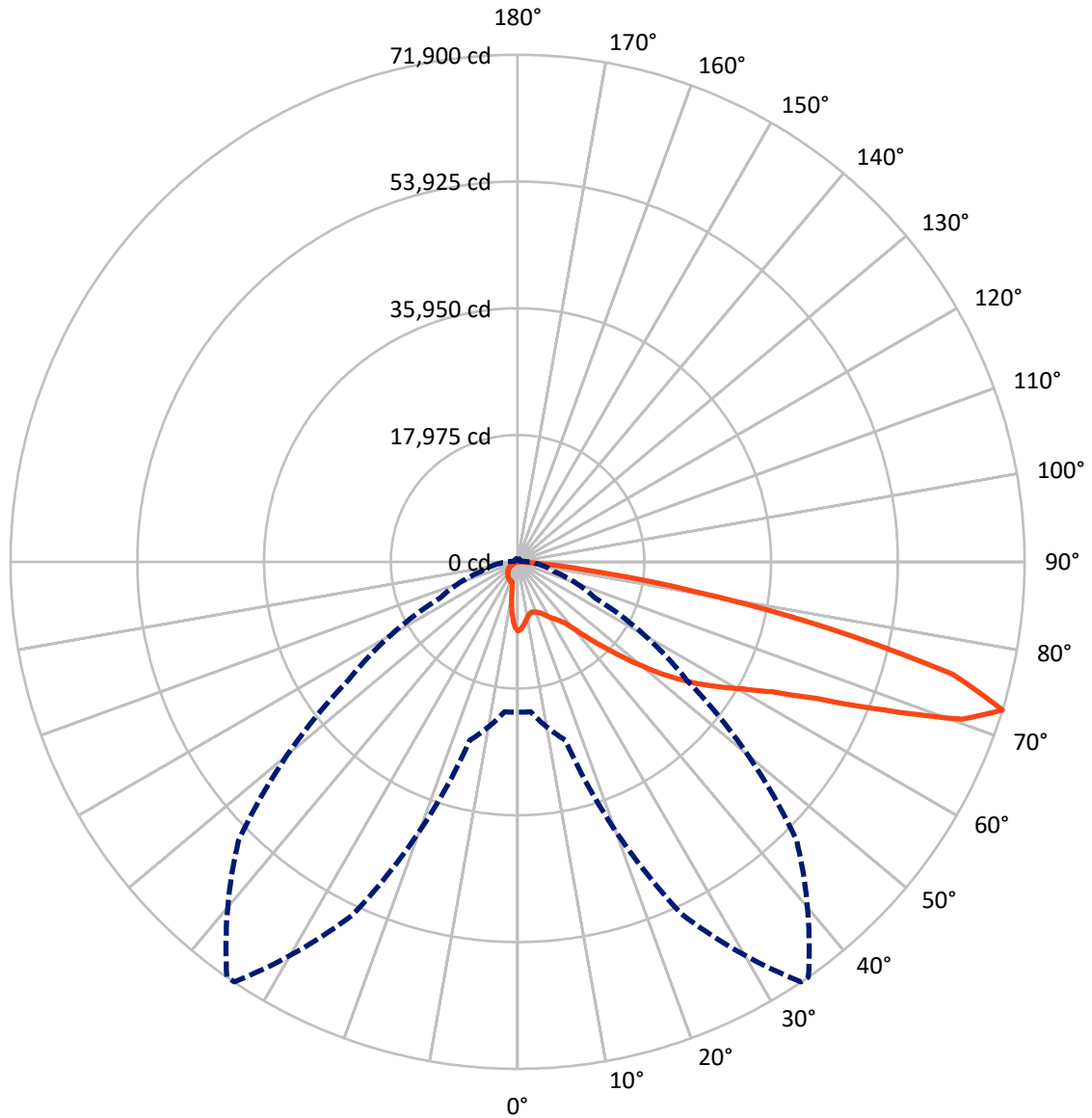
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7629.5	0.0	7629.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	60160.5	0.0	60160.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	67790.0	0.0	67790.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	807.4	1.2
10°-20°	1888.7	2.8
20°-30°	3068.2	4.5
30°-40°	5119.2	7.6
40°-50°	9685.7	14.3
50°-60°	15390.5	22.7
60°-70°	19039.1	28.1
70°-80°	11834.8	17.5
80°-90°	956.4	1.4
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°	67790.0	100.0
0°-180°	67790.0	100.0

**Coefficient of Utilization**



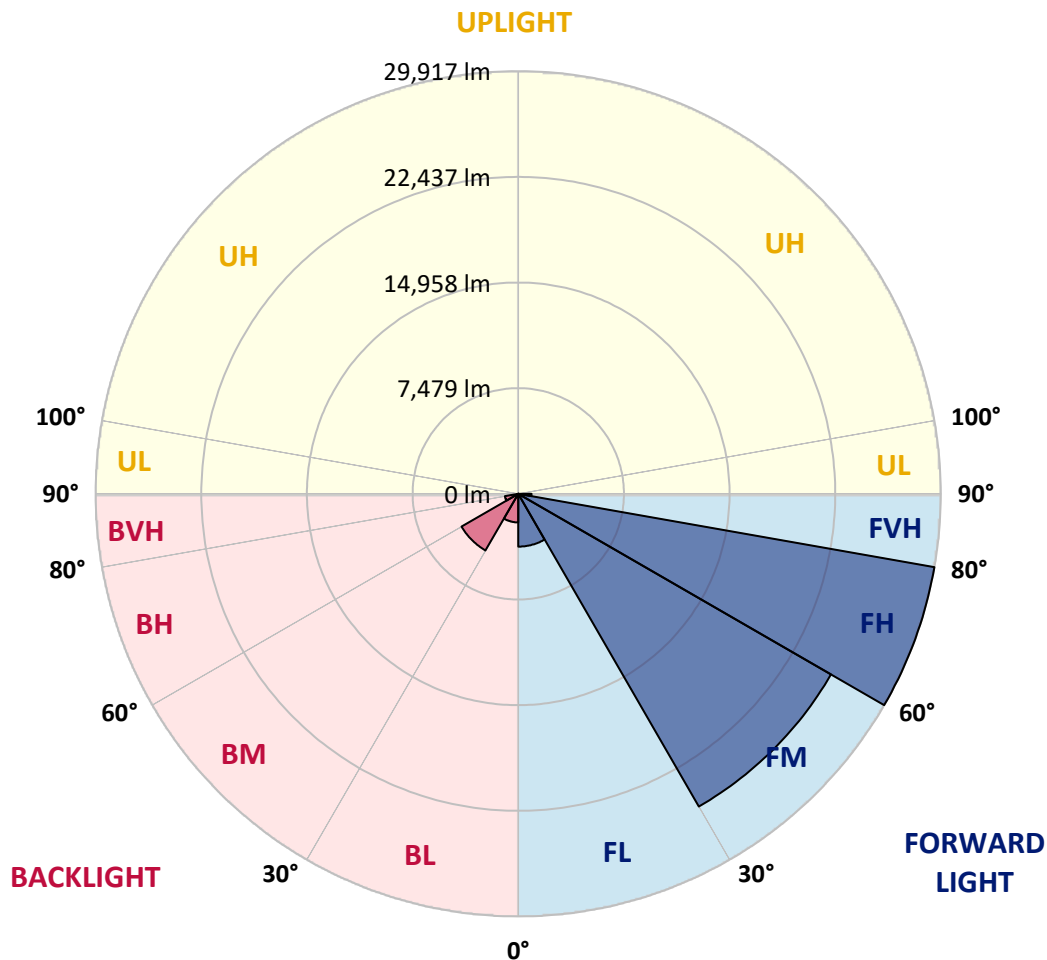
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3737.0	5.5			
FM (30°-60°)	25563.6	37.7			
FH (60°-80°)	29916.6	44.1			G5
FVH (80°-90°)	943.4	1.4			G5
BL (0°-30°)	2027.3	3.0	B3/2500		
BM (30°-60°)	4631.8	6.8	B3/5000		
BH (60°-80°)	957.4	1.4	B2/1000		G2/1000
BVH (80°-90°)	13.0	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0
2.5°	9387.9	9467.4	9482.3	9507.1	9507.1	9536.9	9586.6	9656.2	9770.4	9830.0
5°	8652.8	8712.4	8786.9	8846.5	8960.8	8975.7	9169.4	9358.1	9621.4	9820.1
7.5°	7912.7	7982.2	8081.6	8225.6	8374.6	8419.3	8712.4	9030.3	9447.5	9820.1
10°	7391.1	7396.1	7485.5	7629.6	7868.0	7922.6	8280.3	8732.3	9253.8	9760.5
12.5°	7098.1	7132.8	7172.6	7281.9	7510.3	7545.1	7927.6	8459.1	9060.1	9725.7
15°	7098.1	7122.9	7147.7	7202.4	7386.2	7416.0	7753.7	8285.2	8960.8	9740.6
17.5°	7172.6	7212.3	7192.4	7257.0	7450.7	7470.6	7768.6	8235.6	8955.8	9835.0
20°	7351.4	7381.2	7341.5	7381.2	7574.9	7614.7	7922.6	8329.9	9040.2	9998.9
22.5°	7634.5	7649.4	7555.1	7584.9	7783.5	7833.2	8190.8	8598.2	9243.9	10262.2
25°	7992.2	8022.0	7877.9	7912.7	8101.4	8161.0	8573.3	9000.5	9566.8	10624.8
27.5°	8404.4	8419.3	8295.2	8290.2	8533.6	8618.0	9035.3	9497.2	9998.9	11081.7
30°	8876.3	8921.0	8801.8	8781.9	9089.9	9159.4	9571.7	10108.2	10634.7	11767.2
32.5°	9248.9	9283.6	9214.1	9263.8	9576.7	9631.3	10222.4	10972.5	11633.1	12740.8
35°	9785.3	9805.2	9646.2	9735.6	10093.3	10232.4	11111.5	12184.4	12889.8	13962.7
37.5°	11727.5	11727.5	11051.9	10609.9	10952.6	11076.8	12328.5	13709.4	14439.5	15601.9
40°	14414.7	14370.0	13381.5	12477.5	12432.8	12676.2	14062.0	15631.7	16441.3	17568.8
42.5°	17280.8	17211.2	15865.1	14971.0	14822.0	14906.4	16063.8	18001.0	18825.5	19968.0
45°	19823.9	19804.1	18572.2	17370.2	17101.9	17370.2	18562.3	20772.7	21363.8	22565.8
47.5°	21954.9	21954.9	21055.8	20271.0	20131.9	20290.9	21944.9	23847.3	23792.7	25332.5
50°	24408.6	24388.8	23534.4	23196.6	23340.7	23564.2	25839.2	27085.9	26306.1	28049.6
52.5°	26127.3	26246.5	25953.4	25898.8	26633.9	27021.4	29793.0	30255.0	28556.2	30627.5
55°	27488.3	27627.3	27965.1	28347.6	29763.2	30269.9	33622.7	33260.1	30438.8	32862.7
57.5°	29415.5	29216.8	29738.4	30493.4	32783.3	33394.2	37333.2	36096.4	31953.7	34675.7
60°	31755.1	31784.9	31874.3	32828.0	35798.3	36583.1	40989.0	38778.6	32927.3	35788.4
62.5°	34566.5	34611.2	34795.0	36260.3	39846.6	40586.7	44883.3	40974.1	33374.4	35475.5
65°	34372.8	34561.5	36612.9	41624.8	46000.9	46731.0	49428.2	42513.9	32698.8	32614.4
67.5°	31313.0	31620.9	35053.3	48032.4	55279.5	56094.1	54921.9	42816.9	29783.1	25362.3
70°	27299.5	27408.8	31536.5	53794.4	66023.5	66848.0	59839.4	39484.0	22600.6	14146.5
72.5°	21319.1	21343.9	26186.9	55130.5	71854.9	71899.7	55979.9	29311.2	12154.6	5434.1
75°	15229.3	15080.3	17539.0	44709.4	63217.1	63723.7	41967.5	13749.1	4644.3	2568.0
77.5°	8166.0	8329.9	9924.4	26514.7	43671.3	44535.6	22898.6	3963.8	2364.4	1748.4
80°	2523.3	2662.4	4068.1	12139.7	24736.5	25258.0	8488.9	1763.3	1649.1	1246.8
82.5°	794.7	824.5	1897.5	5101.3	10267.1	10505.5	2458.7	998.4	1127.5	824.5
85°	228.5	233.5	844.4	1902.4	2538.2	2587.9	690.4	387.4	645.7	511.6
87.5°	24.8	79.5	317.9	317.9	223.5	218.6	74.5	84.4	183.8	64.6
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°
9825.0	0°	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0	9825.0
9869.7	2.5°	9844.9	9849.9	9785.3	9676.0	9556.8	9457.5	9333.3	9234.0	9164.4	9144.5
9959.2	5°	9914.5	9879.7	9695.9	9363.1	8965.7	8623.0	8240.5	7937.5	7738.8	7654.4
10053.5	7.5°	10018.8	9919.4	9517.1	8861.4	8101.4	7425.9	6740.4	6209.0	5871.2	5702.3
10142.9	10°	10108.2	9909.5	9219.1	8136.2	6973.9	5950.7	5026.8	4386.0	4028.4	3859.5
10247.3	12.5°	10192.6	9904.5	8831.6	7276.9	5702.3	4450.6	3591.3	3273.4	3174.0	3139.2
10416.1	15°	10351.6	9919.4	8344.8	6293.4	4435.7	3362.8	3049.8	3044.9	3064.7	3054.8
10674.4	17.5°	10570.1	9934.3	7793.5	5250.3	3422.4	2965.4	2950.5	2995.2	3025.0	3010.1
10997.3	20°	10853.2	9993.9	7207.4	4217.1	2940.6	2866.1	2900.8	2940.6	2965.4	2940.6
11429.4	22.5°	11250.6	10098.2	6566.6	3387.6	2786.6	2806.4	2836.2	2881.0	2905.8	2871.0
11980.8	25°	11737.4	10262.2	5935.8	2945.5	2712.1	2736.9	2781.6	2831.3	2861.1	2826.3
12676.2	27.5°	12368.2	10525.4	5354.6	2846.2	2637.6	2652.5	2717.0	2791.5	2831.3	2786.6
13664.7	30°	13282.2	10957.6	4852.9	2890.9	2592.9	2558.1	2647.5	2751.8	2796.5	2756.8
15010.8	32.5°	14494.2	11568.5	4545.0	2960.4	2573.0	2448.8	2533.3	2667.4	2741.9	2717.0
16769.1	35°	16083.7	12497.4	4425.7	3039.9	2558.1	2334.6	2394.2	2538.2	2667.4	2692.2
18984.5	37.5°	18010.9	13788.8	4460.5	3074.7	2513.4	2240.2	2270.0	2394.2	2563.1	2642.5
21478.0	40°	20201.4	15293.9	4659.2	3039.9	2463.7	2160.7	2165.7	2260.1	2409.1	2528.3
24160.3	42.5°	22461.5	17052.3	5026.8	2910.8	2419.0	2091.2	2076.3	2140.8	2240.2	2324.6
26837.6	45°	24612.3	18860.3	5389.4	2731.9	2364.4	2021.6	1986.9	2011.7	2031.6	2066.3
29445.3	47.5°	26489.9	20131.9	5285.1	2568.0	2289.9	1942.2	1882.6	1872.6	1813.0	1808.0
31774.9	50°	27786.3	20410.1	4694.0	2404.1	2180.6	1852.8	1758.4	1698.8	1594.5	1544.8
33518.4	52.5°	28198.6	19312.3	3834.6	2240.2	2001.8	1733.5	1599.4	1505.0	1375.9	1331.2
34521.8	55°	27652.2	17161.5	3064.7	2041.5	1753.4	1574.6	1425.6	1301.4	1197.1	1142.4
34631.0	57.5°	26316.0	14424.6	2424.0	1808.0	1490.1	1395.8	1246.8	1122.6	1033.2	978.5
33419.1	60°	24100.7	11454.3	1917.3	1529.9	1271.6	1202.1	1048.1	968.6	889.1	824.5
30289.7	62.5°	20737.9	8175.9	1505.0	1212.0	1063.0	983.5	894.1	834.5	740.1	650.7
24662.0	65°	16183.0	5001.9	1162.3	889.1	854.4	814.6	760.0	705.3	591.1	501.7
16088.6	67.5°	10207.5	2369.3	829.5	670.6	675.5	655.7	630.8	586.1	501.7	422.2
7207.4	70°	4495.3	1147.4	546.4	511.6	501.7	501.7	521.6	506.7	427.2	352.7
2503.4	72.5°	1529.9	615.9	407.3	387.4	362.6	357.6	437.1	422.2	342.7	273.2
1246.8	75°	799.7	412.3	298.0	278.2	218.6	263.3	347.7	327.8	243.4	178.8
824.5	77.5°	521.6	293.1	203.7	178.8	124.2	173.9	258.3	228.5	144.0	89.4
541.4	80°	327.8	193.7	119.2	84.4	59.6	94.4	139.1	99.3	54.6	19.9
317.9	82.5°	173.9	99.3	44.7	29.8	24.8	29.8	34.8	24.8	9.9	0.0
163.9	85°	69.5	34.8	14.9	9.9	5.0	0.0	9.9	5.0	0.0	0.0
29.8	87.5°	24.8	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
9825.0
9179.3
7684.2
5727.1
3864.5
3129.3
3049.8
3005.1
2935.6
2866.1
2821.3
2786.6
2751.8
2717.0
2692.2
2662.4
2568.0
2359.4
2086.2
1803.1
1549.8
1326.2
1142.4
968.6
809.6
635.8
486.8
412.3
337.8
258.3
163.9
79.5
14.9
0.0
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