

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: P850813

Luminaire Tested: **GLAN-SB8C-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850813  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8C-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

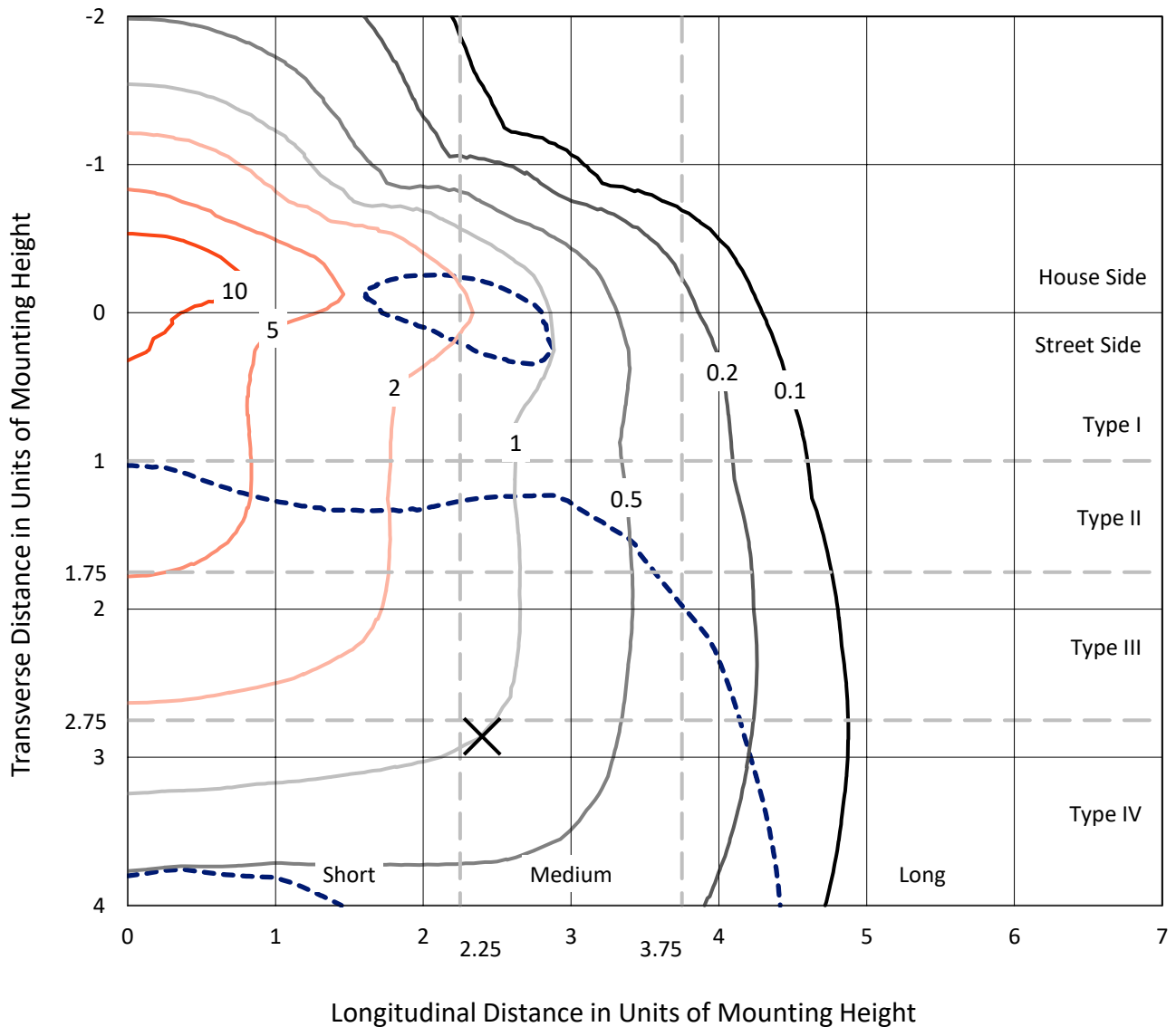
Lumens per Lamp: N/A  
Luminaire Lumens: 57987 lumens  
Efficiency: N/A  
Efficacy: 145.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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

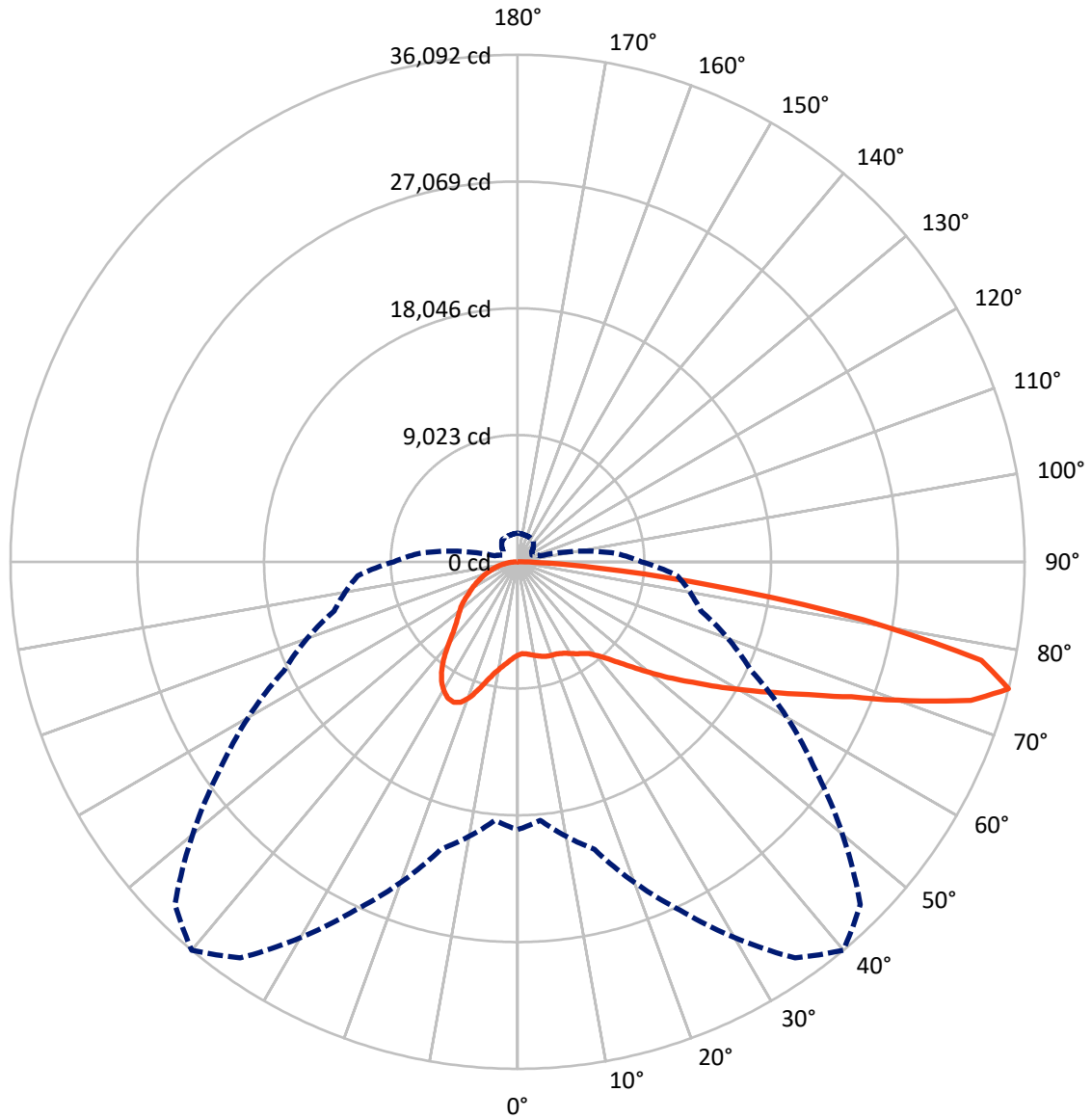
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17966.3	0.0	17966.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	40020.7	0.0	40020.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	57987.0	0.0	57987.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	661.9	1.1
10°-20°	2222.3	3.8
20°-30°	4057.7	7.0
30°-40°	5754.9	9.9
40°-50°	7770.8	13.4
50°-60°	10453.9	18.0
60°-70°	13268.4	22.9
70°-80°	12041.9	20.8
80°-90°	1755.3	3.0
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°	57987.0	100.0
0°-180°	57987.0	100.0

**Coefficient of Utilization**

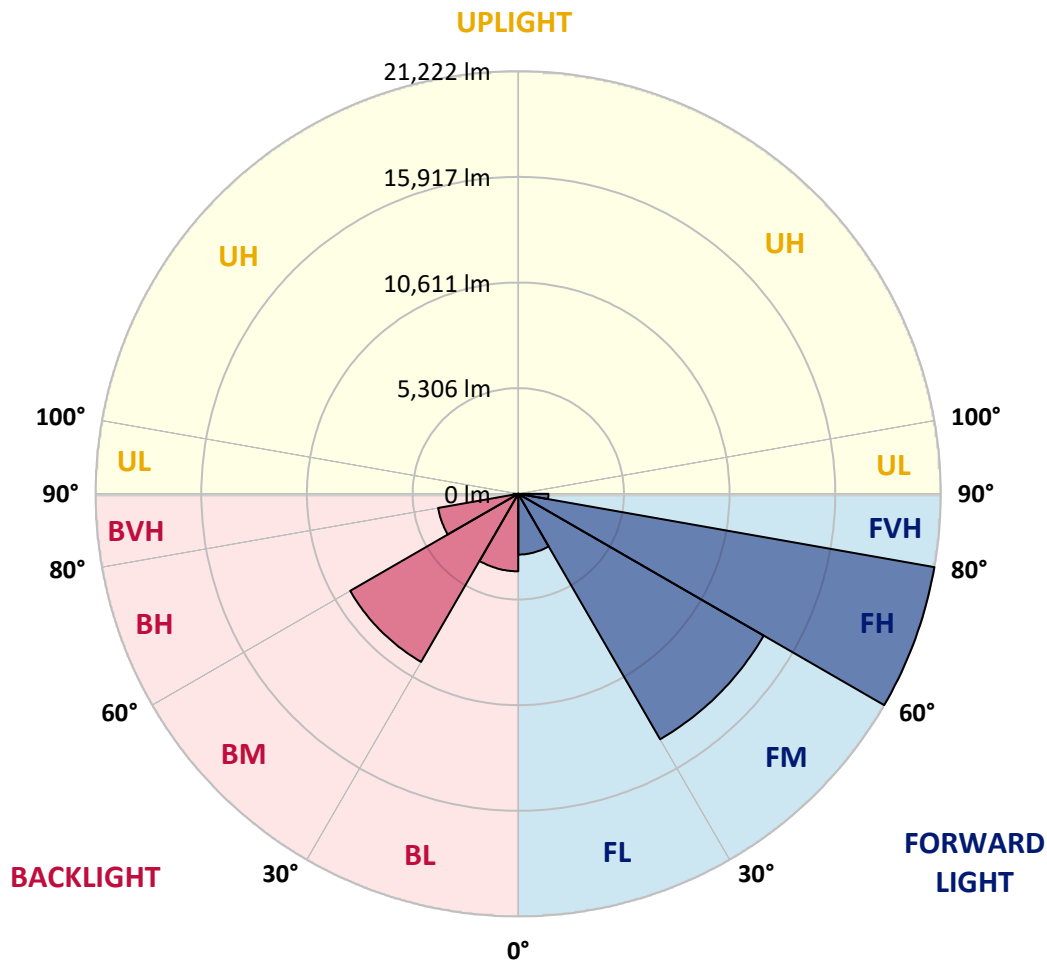


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3050.2	5.3			
FM (30°-60°)	14234.5	24.5			
FH (60°-80°)	21222.4	36.6			G5
FVH (80°-90°)	1513.7	2.6			G5
BL (0°-30°)	3891.7	6.7	B4/5000		
BM (30°-60°)	9745.1	16.8	B5		
BH (60°-80°)	4087.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	241.7	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9
2.5°	6529.4	6566.3	6557.1	6544.8	6544.8	6547.9	6544.8	6566.3	6587.8	6609.4
5°	6597.1	6634.0	6615.5	6600.1	6587.8	6584.8	6575.5	6572.5	6584.8	6612.4
7.5°	6729.3	6766.2	6738.5	6710.9	6686.3	6673.9	6661.6	6643.2	6634.0	6649.3
10°	6876.9	6913.8	6880.0	6830.8	6790.8	6775.4	6763.1	6744.7	6732.4	6741.6
12.5°	7024.6	7061.5	7015.3	6947.7	6895.4	6886.2	6870.8	6864.6	6861.6	6858.5
15°	7163.0	7193.7	7135.3	7055.3	7000.0	6984.6	6969.2	6978.4	6993.8	7012.3
17.5°	7270.6	7301.4	7215.2	7110.7	7058.4	7052.2	7043.0	7073.8	7116.8	7163.0
20°	7369.0	7399.8	7289.1	7147.6	7086.1	7086.1	7089.1	7153.7	7215.2	7282.9
22.5°	7507.4	7532.0	7396.7	7202.9	7113.8	7119.9	7144.5	7209.1	7286.0	7378.2
25°	7713.5	7731.9	7565.9	7307.5	7206.0	7224.5	7246.0	7276.8	7350.6	7458.2
27.5°	8045.6	8061.0	7842.7	7492.0	7338.3	7369.0	7399.8	7378.2	7412.1	7504.3
30°	8513.1	8522.4	8245.6	7781.1	7562.8	7578.2	7584.3	7495.1	7430.5	7504.3
32.5°	9066.7	9063.7	8734.6	8131.8	7818.1	7802.7	7750.4	7575.1	7424.4	7489.0
35°	9924.8	9891.0	9466.5	8623.8	8107.2	8011.8	7888.8	7664.3	7455.1	7473.6
37.5°	11345.7	11241.1	10653.7	9429.6	8537.7	8294.8	8113.3	7808.8	7522.8	7467.4
40°	12948.1	12815.8	12170.0	10533.8	9183.6	8793.0	8500.8	8014.9	7633.5	7495.1
42.5°	14848.8	14661.2	13966.1	11834.7	10001.7	9435.8	8996.0	8276.3	7796.5	7584.3
45°	17183.1	16934.0	15949.8	13301.8	11032.0	10278.5	9691.1	8673.1	8045.6	7756.5
47.5°	19542.1	19603.6	18204.2	14981.0	12268.4	11318.0	10561.4	9269.7	8408.6	8033.3
50°	22048.6	22091.7	20446.3	16841.7	13670.8	12492.9	11539.5	9937.1	8913.0	8427.0
52.5°	24004.7	24010.8	22482.3	18788.5	15131.7	13784.6	12594.4	10699.8	9497.3	8949.9
55°	25228.8	25213.4	23909.3	20630.8	16811.0	15140.9	13763.1	11567.2	10210.8	9565.0
57.5°	26117.6	26071.5	24893.5	22214.7	18600.9	16743.3	15085.6	12551.3	11053.5	10296.9
60°	26455.9	26428.2	25560.9	23583.3	20483.2	18514.8	16611.1	13652.4	12010.0	11161.2
62.5°	26585.1	26637.4	26216.0	24908.9	22497.7	20477.0	18287.2	14968.7	13086.5	12139.2
65°	27040.3	27135.6	27049.5	26643.5	24773.6	22774.5	20510.9	16534.2	14261.3	13188.0
67.5°	27941.4	28036.7	28073.6	28719.5	27553.9	25637.8	23285.0	18484.1	15636.1	14276.7
70°	27919.9	27892.2	28544.2	30371.1	31035.4	29602.2	27024.9	20883.0	17275.4	15180.9
72.5°	25413.3	25191.8	26732.7	30352.6	33932.6	33741.9	31592.1	23977.0	18690.1	15291.6
75°	19065.3	18474.8	21196.7	27354.0	34415.4	36091.6	34495.4	25896.2	18354.9	13510.9
77.5°	8153.3	7559.7	10767.5	20249.4	30801.7	33738.8	31832.0	22593.0	14651.9	8934.5
80°	2134.4	2131.4	3253.9	9180.5	20947.6	24915.0	21858.0	14590.4	8371.7	3192.4
82.5°	882.7	861.2	1196.4	3570.7	10235.4	13981.5	11410.3	6507.9	3023.3	864.2
85°	329.1	326.0	581.3	1233.3	3610.7	5766.7	4173.5	1663.9	753.5	421.4
87.5°	92.3	89.2	126.1	427.5	879.6	1334.8	713.5	273.7	212.2	166.1
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°
6630.9	0°	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9	6630.9
6643.2	2.5°	6652.4	6667.8	6695.5	6717.0	6744.7	6775.4	6818.5	6846.2	6873.9	6892.3
6658.6	5°	6680.1	6713.9	6784.7	6855.4	6938.4	7015.3	7104.5	7169.1	7221.4	7236.8
6713.9	7.5°	6741.6	6797.0	6916.9	7036.9	7169.1	7295.2	7424.4	7535.1	7624.3	7658.1
6812.3	10°	6849.3	6923.1	7092.2	7261.4	7436.7	7630.4	7796.5	7956.5	8082.6	8134.8
6929.2	12.5°	6984.6	7076.8	7298.3	7532.0	7775.0	8042.6	8257.9	8454.7	8611.5	8682.3
7092.2	15°	7159.9	7279.8	7562.8	7876.5	8233.3	8605.4	8879.1	9097.5	9272.8	9358.9
7261.4	17.5°	7350.6	7510.5	7867.3	8340.9	8851.4	9340.5	9660.3	9820.2	10001.7	10084.7
7418.2	20°	7535.1	7731.9	8242.5	8931.4	9611.1	10130.9	10389.2	10432.3	10444.6	10453.8
7565.9	22.5°	7725.8	7990.3	8713.0	9675.7	10404.6	10764.4	10801.3	10616.8	10358.5	10238.5
7710.4	25°	7934.9	8285.5	9328.2	10496.9	11087.4	11130.4	10847.5	10398.4	9909.4	9684.9
7827.3	27.5°	8137.9	8626.9	10066.3	11281.1	11579.5	11201.2	10592.2	9955.6	9365.1	9128.2
7910.3	30°	8340.9	9017.5	10881.3	11967.0	11804.0	11025.9	10189.3	9478.9	8885.3	8636.2
7984.1	32.5°	8547.0	9472.7	11819.3	12462.1	11764.0	10653.7	9688.0	8943.7	8420.9	8159.4
8048.7	35°	8780.7	10032.5	12708.2	12732.8	11496.4	10106.3	9026.7	8304.0	7848.8	7639.7
8125.6	37.5°	9085.2	10742.9	13492.4	12800.4	11028.9	9303.5	8205.6	7547.4	7172.2	7076.8
8239.4	40°	9463.5	11597.9	14092.2	12692.8	10336.9	8328.6	7307.5	6781.6	6569.4	6590.9
8393.2	42.5°	9955.6	12554.4	14513.5	12416.0	9374.3	7322.9	6520.2	6286.4	6387.9	6474.0
8623.8	45°	10595.3	13547.8	14775.0	11945.4	8285.5	6471.0	6055.8	6111.1	6188.0	6197.2
8996.0	47.5°	11413.4	14553.5	14947.2	11235.0	7175.3	5871.2	5760.5	5772.8	5757.4	5692.8
9552.7	50°	12434.5	15531.5	15101.0	10293.9	6231.1	5496.0	5348.4	5305.3	5093.1	4884.0
10293.9	52.5°	13597.0	16429.6	15165.5	9125.2	5496.0	5182.3	4942.4	4671.8	4275.0	4210.4
11225.8	55°	14888.7	17260.0	14999.5	7688.9	4877.8	4779.4	4416.5	4090.5	4047.4	3992.1
12452.9	57.5°	16432.7	18155.0	14661.2	6086.5	4244.3	4308.8	3955.2	3992.1	3915.2	3829.1
14030.7	60°	18121.2	19080.7	14067.6	4625.6	3589.2	3721.4	3835.2	3832.1	3810.6	3739.9
15694.5	62.5°	19640.5	19689.7	12898.9	3543.0	3014.0	3266.2	3576.9	3573.8	3555.3	3515.4
17432.2	65°	20544.7	19597.4	10949.0	2789.5	2540.4	2891.0	3226.3	3250.9	3253.9	3250.9
18739.3	67.5°	20384.8	18517.9	8273.2	2220.5	2149.8	2509.7	2878.7	2912.5	2937.2	2943.3
18905.4	70°	18576.3	16146.6	5394.5	1771.5	1802.3	2174.4	2549.6	2583.5	2605.0	2629.6
16405.0	72.5°	14479.7	11871.6	3087.9	1433.2	1497.8	1885.3	2223.6	2263.6	2275.9	2322.0
11416.5	75°	8823.8	6981.5	1666.9	1128.7	1230.2	1611.6	1900.7	1946.8	1968.4	2023.7
5606.7	77.5°	4195.1	3023.3	950.3	879.6	990.3	1316.3	1605.4	1657.7	1599.3	1630.0
1547.0	80°	1417.8	1122.6	599.7	670.5	756.6	1027.2	1285.6	1337.9	1214.8	1208.7
513.6	82.5°	495.2	455.2	381.4	446.0	489.0	735.1	971.9	1039.5	904.2	901.1
230.7	85°	193.8	184.5	212.2	243.0	292.2	452.1	639.7	673.5	556.7	449.0
67.7	87.5°	40.0	43.1	52.3	55.4	89.2	156.9	230.7	283.0	224.5	190.7
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°
6630.9
6880.0
7242.9
7661.2
8137.9
8682.3
9352.8
10081.7
10478.4
10272.3
9718.7
9155.9
8663.8
8193.3
7685.8
7144.5
6664.7
6554.0
6258.7
5742.1
4911.7
4232.0
4001.3
3813.7
3715.3
3500.0
3250.9
2949.5
2641.9
2340.5
2029.9
1605.4
1196.4
858.1
442.9
175.3
0.0

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