

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: P853036

Luminaire Tested: **GLAN-SB8B-727-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853036  
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-SB8B-727-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2700K, 450mA 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: 30659 lumens  
Efficiency: N/A  
Efficacy: 104.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

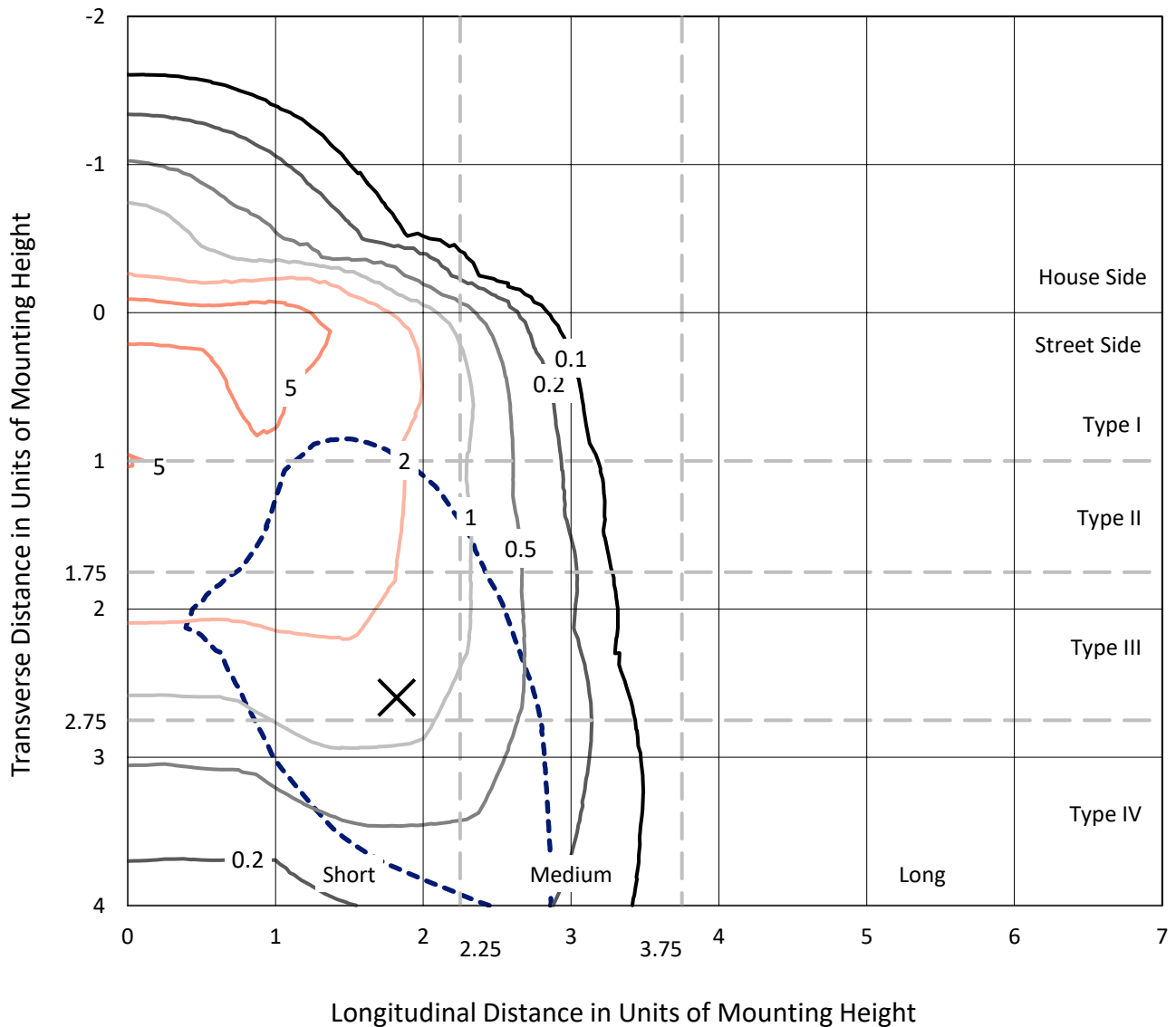
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

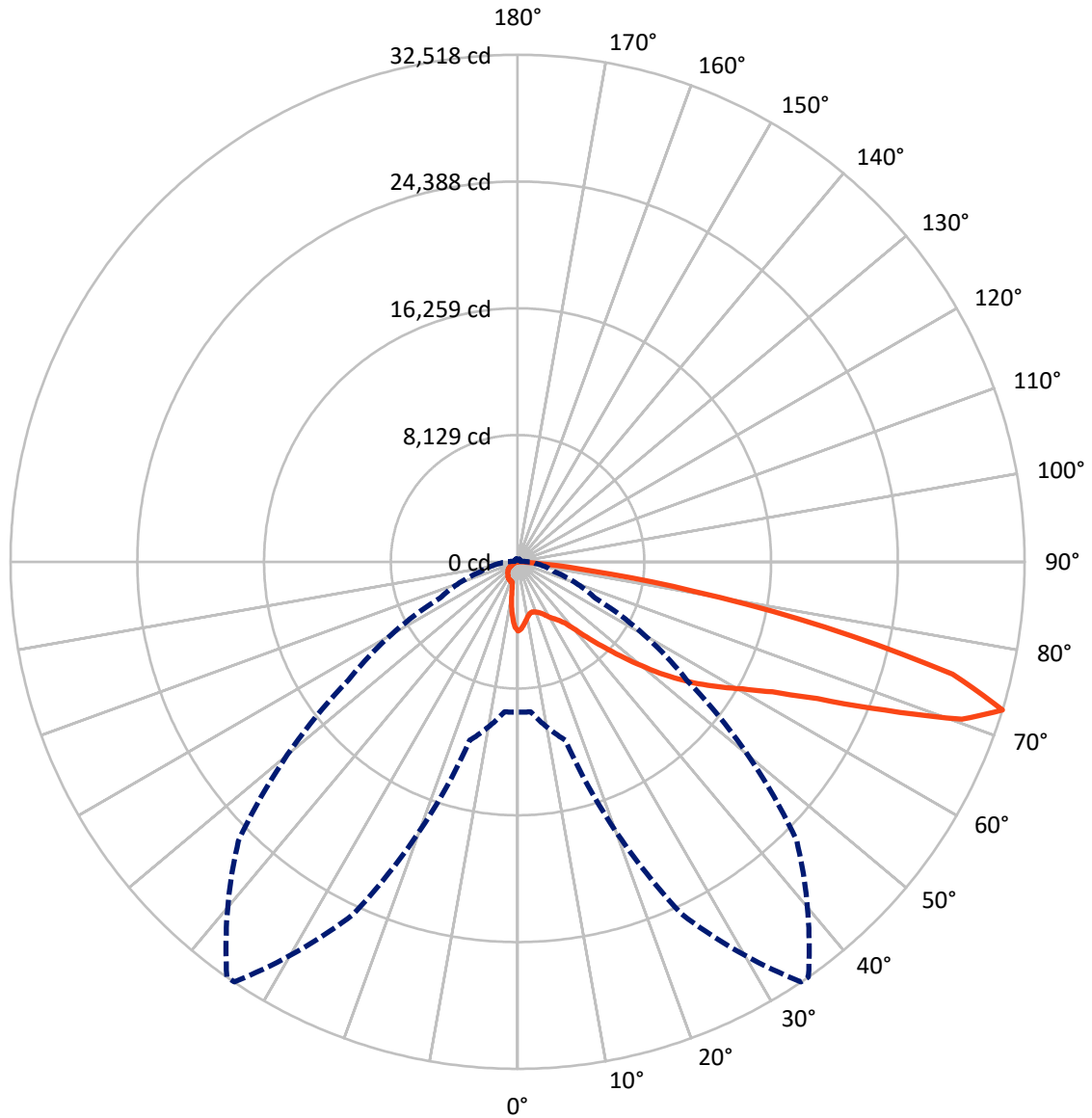
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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	3450.5	0.0	3450.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	27208.5	0.0	27208.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	30659.0	0.0	30659.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	365.1	1.2
10°-20°	854.2	2.8
20°-30°	1387.6	4.5
30°-40°	2315.2	7.6
40°-50°	4380.5	14.3
50°-60°	6960.6	22.7
60°-70°	8610.7	28.1
70°-80°	5352.5	17.5
80°-90°	432.6	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°	30659.0	100.0
0°-180°	30659.0	100.0

**Coefficient of Utilization**

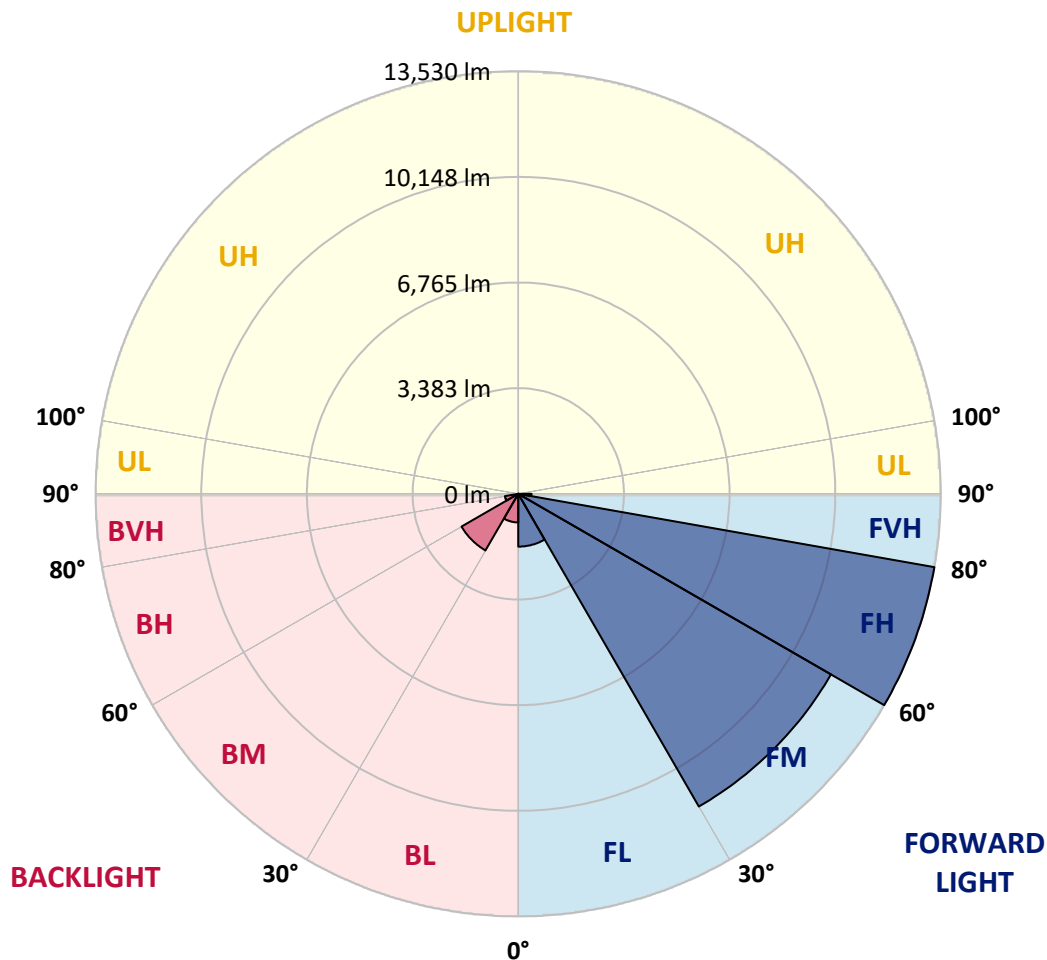


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1690.1	5.5			
FM (30°-60°)	11561.5	37.7			
FH (60°-80°)	13530.2	44.1			G5
FVH (80°-90°)	426.7	1.4			G3/500
BL (0°-30°)	916.9	3.0	B2/1000		
BM (30°-60°)	2094.8	6.8	B2/2500		
BH (60°-80°)	433.0	1.4	B1/500		G1/500
BVH (80°-90°)	5.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5
2.5°	4245.8	4281.8	4288.5	4299.7	4299.7	4313.2	4335.7	4367.1	4418.8	4445.8
5°	3913.4	3940.3	3974.0	4001.0	4052.6	4059.4	4147.0	4232.3	4351.4	4441.3
7.5°	3578.6	3610.1	3655.0	3720.2	3787.5	3807.8	3940.3	4084.1	4272.8	4441.3
10°	3342.7	3345.0	3385.4	3450.6	3558.4	3583.1	3744.9	3949.3	4185.2	4414.3
12.5°	3210.2	3225.9	3243.9	3293.3	3396.7	3412.4	3585.4	3825.7	4097.6	4398.6
15°	3210.2	3221.4	3232.7	3257.4	3340.5	3354.0	3506.7	3747.1	4052.6	4405.3
17.5°	3243.9	3261.9	3252.9	3282.1	3369.7	3378.7	3513.5	3724.6	4050.4	4448.0
20°	3324.8	3338.3	3320.3	3338.3	3425.9	3443.8	3583.1	3767.3	4088.6	4522.1
22.5°	3452.8	3459.6	3416.9	3430.4	3520.2	3542.7	3704.4	3888.6	4180.7	4641.2
25°	3614.6	3628.0	3562.9	3578.6	3664.0	3690.9	3877.4	4070.6	4326.7	4805.2
27.5°	3801.0	3807.8	3751.6	3749.4	3859.4	3897.6	4086.3	4295.3	4522.1	5011.9
30°	4014.4	4034.7	3980.7	3971.8	4111.0	4142.5	4328.9	4571.6	4809.7	5321.9
32.5°	4182.9	4198.7	4167.2	4189.7	4331.2	4355.9	4623.2	4962.5	5261.2	5762.2
35°	4425.5	4434.5	4362.6	4403.1	4564.8	4627.7	5025.4	5510.6	5829.6	6314.8
37.5°	5303.9	5303.9	4998.4	4798.5	4953.5	5009.6	5575.7	6200.3	6530.5	7056.2
40°	6519.3	6499.0	6052.0	5643.1	5622.9	5733.0	6359.8	7069.6	7435.8	7945.8
42.5°	7815.5	7784.0	7175.2	6770.9	6703.5	6741.7	7265.1	8141.2	8514.1	9030.8
45°	8965.7	8956.7	8399.6	7855.9	7734.6	7855.9	8395.1	9394.7	9662.1	10205.7
47.5°	9929.4	9929.4	9522.8	9167.8	9104.9	9176.8	9924.9	10785.3	10760.6	11457.0
50°	11039.2	11030.2	10643.8	10491.0	10556.2	10657.3	11686.1	12250.0	11897.3	12685.8
52.5°	11816.4	11870.3	11737.8	11713.1	12045.6	12220.8	13474.3	13683.2	12915.0	13851.7
55°	12432.0	12494.9	12647.6	12820.6	13460.8	13690.0	15206.4	15042.4	13766.4	14862.6
57.5°	13303.6	13213.7	13449.6	13791.1	14826.7	15103.0	16884.5	16325.1	14451.5	15682.6
60°	14361.7	14375.2	14415.6	14846.9	16190.3	16545.2	18537.9	17538.2	14891.8	16185.8
62.5°	15633.2	15653.4	15736.5	16399.2	18021.2	18355.9	20299.1	18531.1	15094.0	16044.3
65°	15545.6	15630.9	16558.7	18825.4	20804.6	21134.8	22354.6	19227.5	14788.5	14750.3
67.5°	14161.7	14301.0	15853.3	21723.4	25001.0	25369.4	24839.2	19364.6	13469.8	11470.5
70°	12346.6	12396.0	14262.8	24329.3	29860.1	30233.0	27063.2	17857.2	10221.4	6397.9
72.5°	9641.8	9653.1	11843.4	24933.6	32497.4	32517.6	25317.7	13256.4	5497.1	2457.6
75°	6887.7	6820.3	7932.3	20220.5	28590.8	28820.0	18980.4	6218.2	2100.4	1161.4
77.5°	3693.2	3767.3	4488.4	11991.7	19751.0	20141.8	10356.2	1792.7	1069.3	790.8
80°	1141.2	1204.1	1839.9	5490.4	11187.4	11423.3	3839.2	797.5	745.8	563.9
82.5°	359.4	372.9	858.2	2307.1	4643.5	4751.3	1112.0	451.5	509.9	372.9
85°	103.3	105.6	381.9	860.4	1147.9	1170.4	312.3	175.2	292.0	231.4
87.5°	11.2	35.9	143.8	143.8	101.1	98.8	33.7	38.2	83.1	29.2
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°
4443.5	0°	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5	4443.5
4463.7	2.5°	4452.5	4454.7	4425.5	4376.1	4322.2	4277.3	4221.1	4176.2	4144.7	4135.8
4504.2	5°	4484.0	4468.2	4385.1	4234.6	4054.9	3899.9	3726.9	3589.9	3500.0	3461.8
4546.9	7.5°	4531.1	4486.2	4304.2	4007.7	3664.0	3358.5	3048.5	2808.1	2655.3	2578.9
4587.3	10°	4571.6	4481.7	4169.4	3679.7	3154.0	2691.3	2273.4	1983.6	1821.9	1745.5
4634.5	12.5°	4609.8	4479.5	3994.2	3291.1	2578.9	2012.8	1624.2	1480.4	1435.5	1419.8
4710.8	15°	4681.6	4486.2	3774.1	2846.3	2006.1	1520.9	1379.3	1377.1	1386.1	1381.6
4827.7	17.5°	4780.5	4492.9	3524.7	2374.5	1547.8	1341.1	1334.4	1354.6	1368.1	1361.4
4973.7	20°	4908.5	4519.9	3259.6	1907.3	1329.9	1296.2	1311.9	1329.9	1341.1	1329.9
5169.1	22.5°	5088.3	4567.1	2969.8	1532.1	1260.3	1269.3	1282.7	1303.0	1314.2	1298.5
5418.5	25°	5308.4	4641.2	2684.5	1332.2	1226.6	1237.8	1258.0	1280.5	1294.0	1278.2
5733.0	27.5°	5593.7	4760.3	2421.7	1287.2	1192.9	1199.6	1228.8	1262.5	1280.5	1260.3
6180.0	30°	6007.1	4955.7	2194.8	1307.4	1172.7	1156.9	1197.4	1244.5	1264.8	1246.8
6788.8	32.5°	6555.2	5232.0	2055.5	1338.9	1163.7	1107.5	1145.7	1206.4	1240.1	1228.8
7584.1	35°	7274.1	5652.1	2001.6	1374.8	1156.9	1055.8	1082.8	1147.9	1206.4	1217.6
8586.0	37.5°	8145.7	6236.2	2017.3	1390.6	1136.7	1013.2	1026.6	1082.8	1159.2	1195.1
9713.7	40°	9136.4	6916.9	2107.2	1374.8	1114.2	977.2	979.5	1022.1	1089.5	1143.5
10926.8	42.5°	10158.5	7712.1	2273.4	1316.4	1094.0	945.8	939.0	968.2	1013.2	1051.3
12137.7	45°	11131.3	8529.8	2437.4	1235.6	1069.3	914.3	898.6	909.8	918.8	934.5
13317.1	47.5°	11980.4	9104.9	2390.2	1161.4	1035.6	878.4	851.4	846.9	820.0	817.7
14370.7	50°	12566.8	9230.7	2122.9	1087.3	986.2	837.9	795.3	768.3	721.1	698.7
15159.2	52.5°	12753.2	8734.3	1734.3	1013.2	905.3	784.0	723.4	680.7	622.3	602.1
15613.0	55°	12506.1	7761.6	1386.1	923.3	793.0	712.1	644.7	588.6	541.4	516.7
15662.4	57.5°	11901.8	6523.7	1096.3	817.7	673.9	631.3	563.9	507.7	467.3	442.6
15114.2	60°	10899.9	5180.4	867.1	691.9	575.1	543.6	474.0	438.1	402.1	372.9
13699.0	62.5°	9379.0	3697.7	680.7	548.1	480.7	444.8	404.4	377.4	334.7	294.3
11153.7	65°	7319.0	2262.2	525.7	402.1	386.4	368.4	343.7	319.0	267.3	226.9
7276.3	67.5°	4616.5	1071.6	375.2	303.3	305.5	296.5	285.3	265.1	226.9	190.9
3259.6	70°	2033.1	518.9	247.1	231.4	226.9	226.9	235.9	229.1	193.2	159.5
1132.2	72.5°	691.9	278.6	184.2	175.2	164.0	161.7	197.7	190.9	155.0	123.6
563.9	75°	361.7	186.5	134.8	125.8	98.8	119.1	157.3	148.3	110.1	80.9
372.9	77.5°	235.9	132.5	92.1	80.9	56.2	78.6	116.8	103.3	65.1	40.4
244.9	80°	148.3	87.6	53.9	38.2	27.0	42.7	62.9	44.9	24.7	9.0
143.8	82.5°	78.6	44.9	20.2	13.5	11.2	13.5	15.7	11.2	4.5	0.0
74.1	85°	31.5	15.7	6.7	4.5	2.2	0.0	4.5	2.2	0.0	0.0
13.5	87.5°	11.2	2.2	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°
4443.5
4151.5
3475.3
2590.2
1747.8
1415.3
1379.3
1359.1
1327.7
1296.2
1276.0
1260.3
1244.5
1228.8
1217.6
1204.1
1161.4
1067.1
943.5
815.5
700.9
599.8
516.7
438.1
366.2
287.5
220.2
186.5
152.8
116.8
74.1
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