

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: P850647

Luminaire Tested: **GLAN-SB8B-730-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850647  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-730-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34496 lumens  
Efficiency: N/A  
Efficacy: 117.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

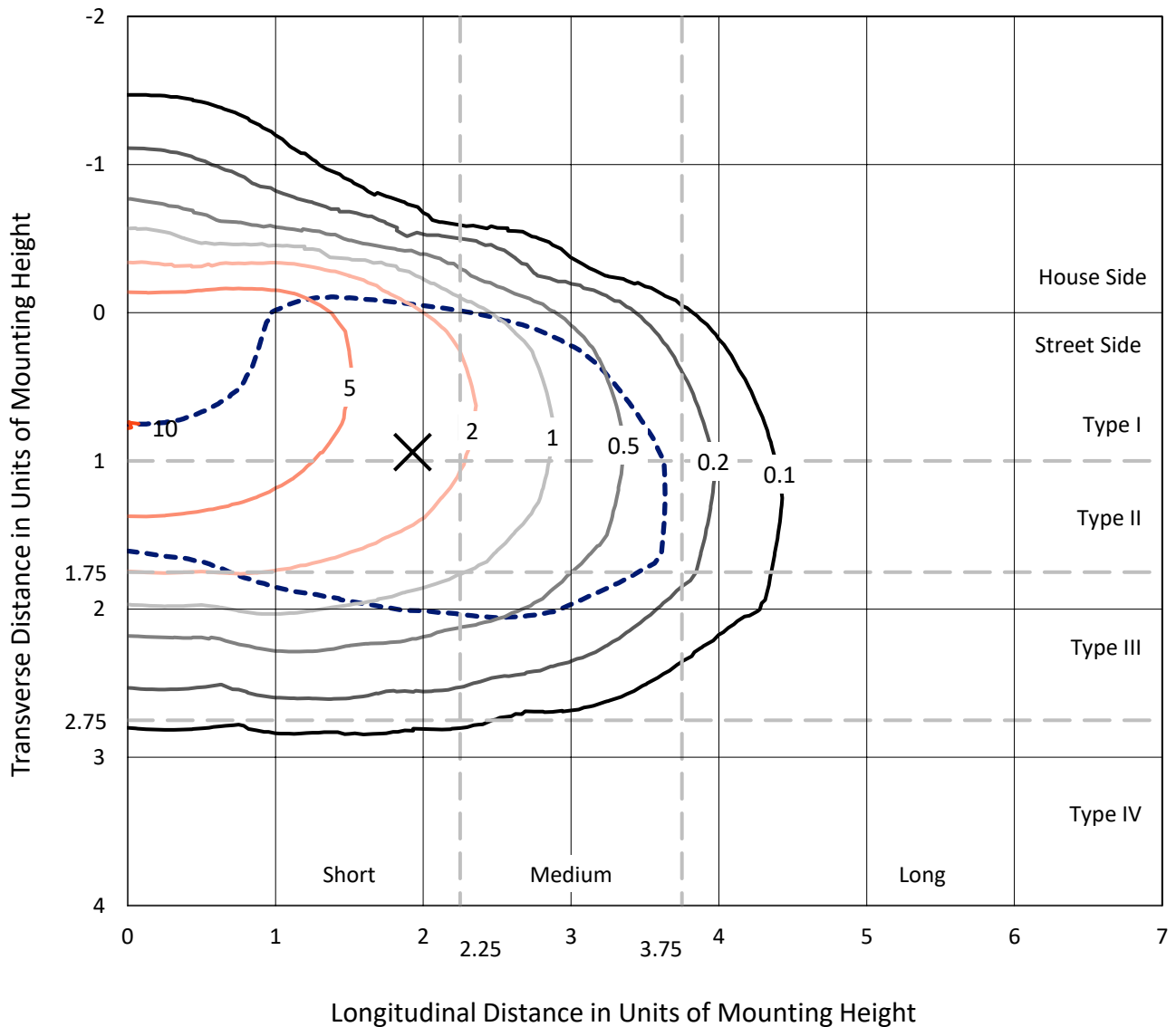
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

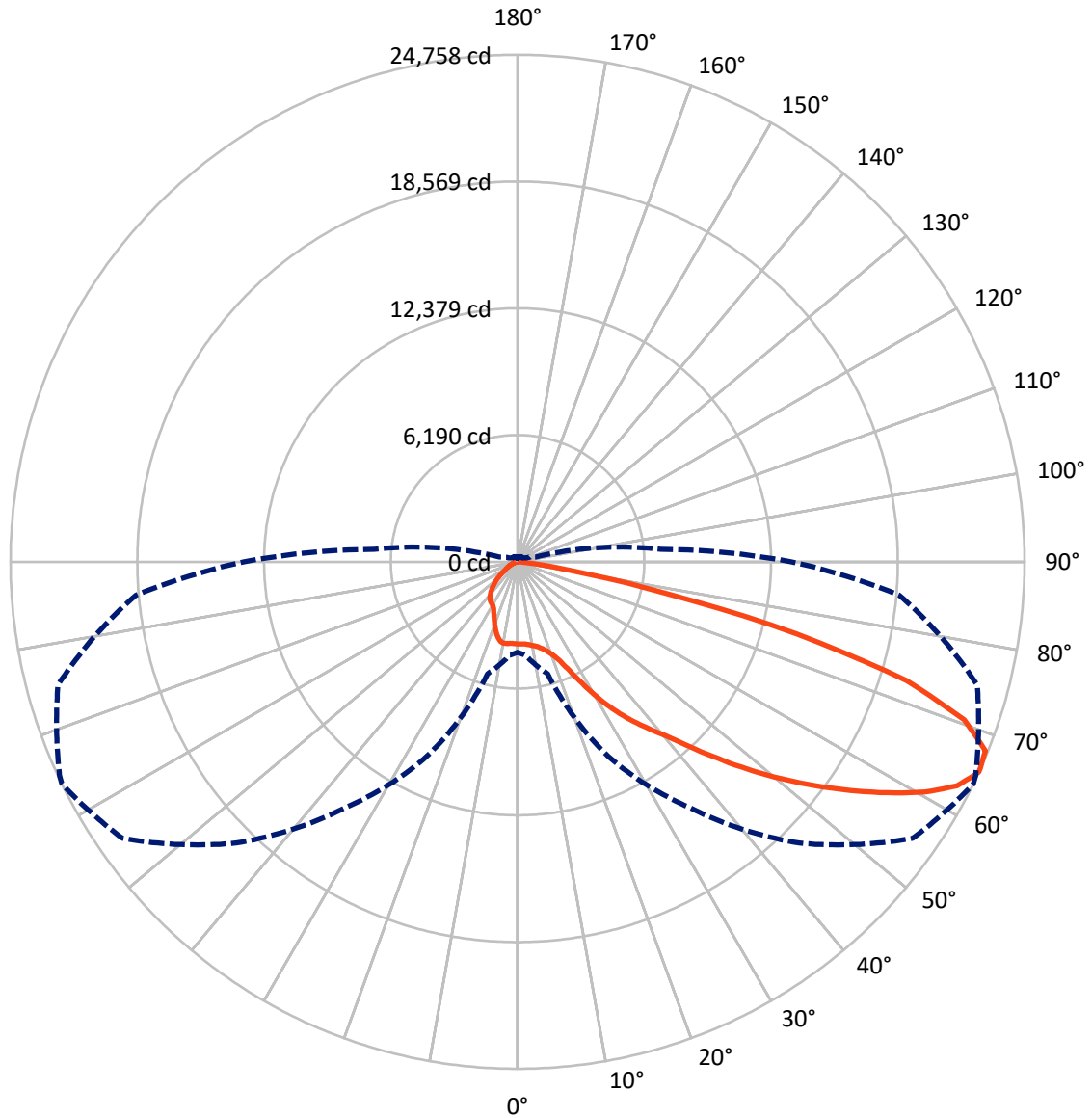
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4613.2	0.0	4613.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	29882.8	0.0	29882.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	34496.0	0.0	34496.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	370.2	1.1
10°-20°	1004.0	2.9
20°-30°	1902.5	5.5
30°-40°	3849.8	11.2
40°-50°	6558.1	19.0
50°-60°	8918.5	25.9
60°-70°	8375.0	24.3
70°-80°	3355.4	9.7
80°-90°	162.6	0.5
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°	34496.0	100.0
0°-180°	34496.0	100.0

**Coefficient of Utilization**



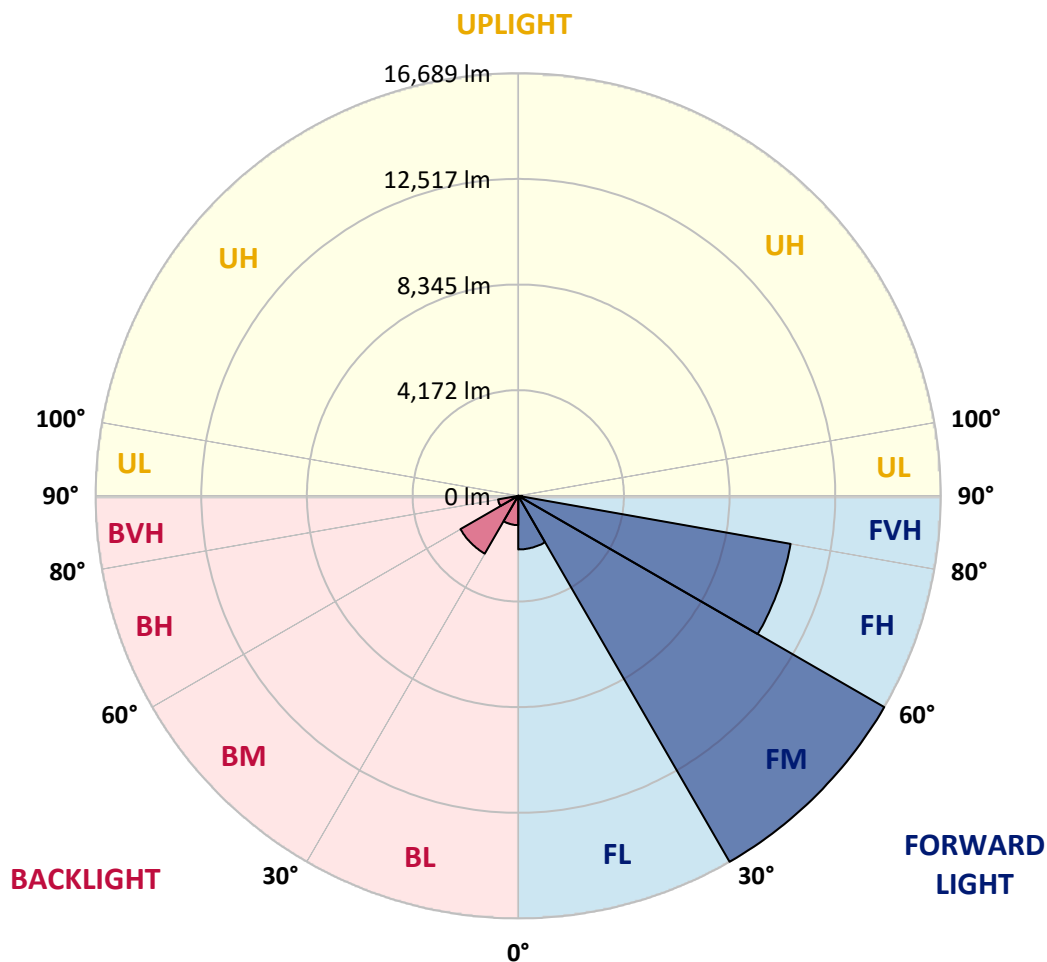
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2118.5	6.1			
FM (30°-60°)	16689.1	48.4			
FH (60°-80°)	10920.6	31.7			G4/12000
FVH (80°-90°)	154.6	0.4			G2/225
BL (0°-30°)	1158.2	3.4	B3/2500		
BM (30°-60°)	2637.3	7.6	B3/5000		
BH (60°-80°)	809.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	7.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2
2.5°	3998.4	4026.1	4019.2	4012.2	4009.9	4014.6	4016.9	4014.6	4014.6	4014.6
5°	3922.1	3945.2	3945.2	3961.4	3984.5	4012.2	4033.1	4037.7	4042.3	4049.2
7.5°	3776.4	3794.9	3808.7	3861.9	3919.7	3993.7	4056.2	4088.6	4093.2	4118.6
10°	3676.9	3700.1	3723.2	3778.7	3861.9	3972.9	4079.3	4157.9	4169.5	4229.6
12.5°	3672.3	3695.4	3725.5	3785.6	3882.7	4000.7	4130.2	4243.5	4264.3	4352.2
15°	3720.9	3748.6	3776.4	3850.4	3954.4	4097.8	4236.6	4377.6	4398.4	4523.3
17.5°	3820.3	3857.3	3878.1	3952.1	4063.1	4222.7	4405.4	4567.3	4585.8	4731.4
20°	4016.9	4060.8	4067.7	4127.9	4236.6	4407.7	4625.1	4826.3	4849.4	5015.9
22.5°	4423.9	4486.3	4430.8	4460.9	4558.0	4729.1	4965.0	5219.4	5251.8	5441.4
25°	5140.8	5228.6	5085.3	5034.4	5076.0	5254.1	5550.1	5871.5	5908.5	6061.1
27.5°	6549.1	6435.8	6218.4	6005.6	5880.8	5982.5	6315.5	6713.3	6759.5	6907.5
30°	8096.2	7996.7	7703.0	7231.3	6935.3	6919.1	7226.7	7670.7	7723.9	7864.9
32.5°	9645.6	9550.8	9231.6	8651.2	8137.8	7883.4	8096.2	8588.7	8616.5	8706.7
35°	11169.5	11072.4	10753.3	10159.0	9527.6	8949.5	8907.9	9462.9	9472.1	9566.9
37.5°	12702.7	12621.8	12281.9	11699.1	11077.0	10279.2	9893.0	10290.8	10302.3	10394.8
40°	13796.6	13831.3	13597.7	13146.7	12612.5	11740.7	10998.4	11171.8	11102.5	11257.4
42.5°	14735.5	14804.8	14601.3	14374.7	14064.8	13297.1	12367.4	12337.4	12226.4	12309.6
45°	15547.2	15605.0	15422.3	15369.1	15362.2	14823.3	13863.6	13683.3	13528.3	13512.1
47.5°	15845.5	15956.5	16035.1	16213.2	16560.0	16333.4	15410.7	15130.9	14957.5	14830.3
50°	15958.8	16076.7	16345.0	16863.0	17683.9	17781.1	16950.9	16636.4	16423.6	16192.3
52.5°	15806.2	16016.6	16377.4	17249.2	18440.1	18941.9	18428.6	18153.4	17910.6	17533.6
55°	14906.6	15117.0	15854.7	17244.6	18817.1	19756.0	19825.3	19702.8	19429.9	18835.6
57.5°	13010.3	13322.5	14490.3	16657.2	18810.1	20456.7	21194.4	21282.2	20977.0	20126.0
60°	10383.3	10806.5	12231.0	15355.2	18229.7	20835.9	22394.6	22833.9	22510.2	21397.9
62.5°	7245.2	7735.4	9083.6	13315.6	16902.3	20563.0	23271.0	24082.7	23837.6	22535.6
65°	4419.2	4576.5	5663.4	10478.1	14645.3	19420.6	23541.6	24758.0	24677.0	23231.7
67.5°	2943.9	3075.7	3387.9	7185.0	11368.4	17138.2	22894.1	24640.0	24663.2	23118.4
70°	1773.7	1887.0	2090.5	4178.7	7367.7	13565.3	20889.1	23136.9	23271.0	21603.7
72.5°	730.8	807.1	992.1	1894.0	3815.7	8609.6	16634.0	19864.6	20176.8	18164.9
75°	413.9	453.3	582.8	950.5	1655.8	4012.2	10075.7	14101.8	14562.0	12520.0
77.5°	275.2	293.7	376.9	615.1	932.0	1369.0	4305.9	7346.9	8225.7	6838.2
80°	185.0	201.2	259.0	411.6	605.9	587.4	1371.3	2721.9	3348.5	2349.5
82.5°	124.9	127.2	185.0	270.6	383.9	284.4	404.7	846.4	1063.8	679.9
85°	71.7	69.4	136.4	157.3	171.1	117.9	122.6	254.4	333.0	286.8
87.5°	9.3	13.9	53.2	41.6	23.1	25.4	25.4	43.9	64.8	69.4
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°
4012.2	0°	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2	4012.2
4016.9	2.5°	4016.9	4014.6	4007.6	4000.7	3984.5	3975.2	3979.9	3975.2	3972.9	3975.2
4046.9	5°	4046.9	4040.0	4021.5	3998.4	3966.0	3926.7	3901.2	3864.2	3829.6	3808.7
4127.9	7.5°	4127.9	4120.9	4095.5	4030.7	3926.7	3762.5	3612.2	3480.4	3380.9	3323.1
4257.4	10°	4257.4	4245.8	4206.5	4063.1	3790.2	3431.8	3133.5	2886.0	2724.2	2647.8
4410.0	12.5°	4410.0	4396.1	4326.7	4033.1	3531.2	2971.6	2560.0	2284.8	2134.5	2067.4
4585.8	15°	4590.4	4571.9	4435.4	3889.7	3154.3	2462.8	2085.9	1880.1	1783.0	1722.8
4810.1	17.5°	4814.7	4782.3	4516.4	3674.6	2745.0	2074.3	1794.5	1639.6	1554.0	1496.2
5103.8	20°	5106.1	5052.9	4581.1	3417.9	2368.0	1829.2	1598.0	1468.5	1403.7	1352.8
5520.0	22.5°	5513.1	5436.8	4659.8	3140.4	2102.1	1660.4	1452.3	1357.5	1304.3	1246.5
6100.5	25°	6017.2	5927.0	4756.9	2883.7	1919.4	1514.7	1345.9	1267.3	1204.8	1137.8
6861.3	27.5°	6722.5	6560.7	4872.5	2673.3	1762.1	1389.8	1248.8	1160.9	1089.2	1033.7
7723.9	30°	7508.8	7242.9	4974.3	2546.1	1618.8	1274.2	1121.6	1033.7	966.6	927.3
8498.6	32.5°	8253.4	7892.7	5041.3	2490.6	1489.3	1142.4	982.8	888.0	837.1	825.6
9257.1	35°	8956.4	8480.1	5034.4	2437.4	1373.6	1010.6	846.4	749.3	709.9	716.9
10073.4	37.5°	9765.8	9106.8	4985.8	2354.2	1278.8	890.3	728.4	642.9	608.2	610.5
11065.5	40°	10707.0	9830.6	4955.8	2196.9	1174.8	779.3	631.3	561.9	536.5	527.3
12110.7	42.5°	11710.7	10531.3	4960.4	2018.8	1045.3	679.9	564.3	506.4	483.3	476.4
13273.9	45°	12718.9	11199.6	4967.3	1833.8	908.8	603.6	515.7	467.1	453.3	444.0
14453.3	47.5°	13667.1	11768.5	4837.8	1635.0	774.7	545.8	476.4	444.0	432.4	420.9
15637.3	50°	14550.5	12147.7	4525.6	1403.7	668.3	499.5	446.3	423.2	411.6	400.1
16710.4	52.5°	15237.3	12207.9	4009.9	1165.5	594.3	464.8	427.8	407.0	393.1	381.6
17577.6	55°	15542.5	11830.9	3276.9	943.5	536.5	434.8	409.3	388.5	372.3	360.8
18259.8	57.5°	15463.9	11037.7	2555.3	758.5	481.0	404.7	386.2	372.3	353.8	335.3
18812.4	60°	15077.7	9976.3	1926.3	631.3	430.1	372.3	360.8	349.2	323.8	296.0
19025.2	62.5°	14409.4	8641.9	1373.6	522.6	374.6	335.3	330.7	321.4	284.4	233.6
18710.7	65°	13387.2	7020.8	925.0	434.8	321.4	293.7	296.0	279.8	231.3	173.4
17559.1	67.5°	11893.4	5133.8	592.0	356.1	268.3	245.1	247.4	238.2	196.6	148.0
15376.0	70°	9990.1	3399.4	386.2	270.6	215.1	189.6	203.5	205.8	166.5	120.3
11800.9	72.5°	7323.8	2007.3	270.6	201.2	157.3	131.8	166.5	171.1	134.1	90.2
7099.5	75°	4174.1	952.8	203.5	145.7	97.1	92.5	129.5	129.5	92.5	60.1
3073.4	77.5°	1752.9	397.8	143.4	94.8	55.5	53.2	87.9	80.9	46.3	27.8
749.3	80°	506.4	178.1	76.3	46.3	23.1	20.8	34.7	25.4	11.6	4.6
284.4	82.5°	198.9	78.6	30.1	18.5	9.3	9.3	4.6	0.0	0.0	0.0
161.9	85°	117.9	32.4	13.9	6.9	2.3	0.0	0.0	0.0	0.0	0.0
34.7	87.5°	30.1	6.9	4.6	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°
4012.2
3984.5
3813.4
3325.4
2640.9
2060.5
1725.1
1491.6
1343.6
1237.2
1130.8
1022.1
920.4
832.5
716.9
619.8
524.9
474.1
444.0
420.9
400.1
379.3
358.4
333.0
291.4
228.9
168.8
141.1
115.6
85.6
55.5
27.8
4.6
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