

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: P850468

Luminaire Tested: **GLAN-SB8A-727-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850468  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-727-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32279 lumens  
Efficiency: N/A  
Efficacy: 142.1 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

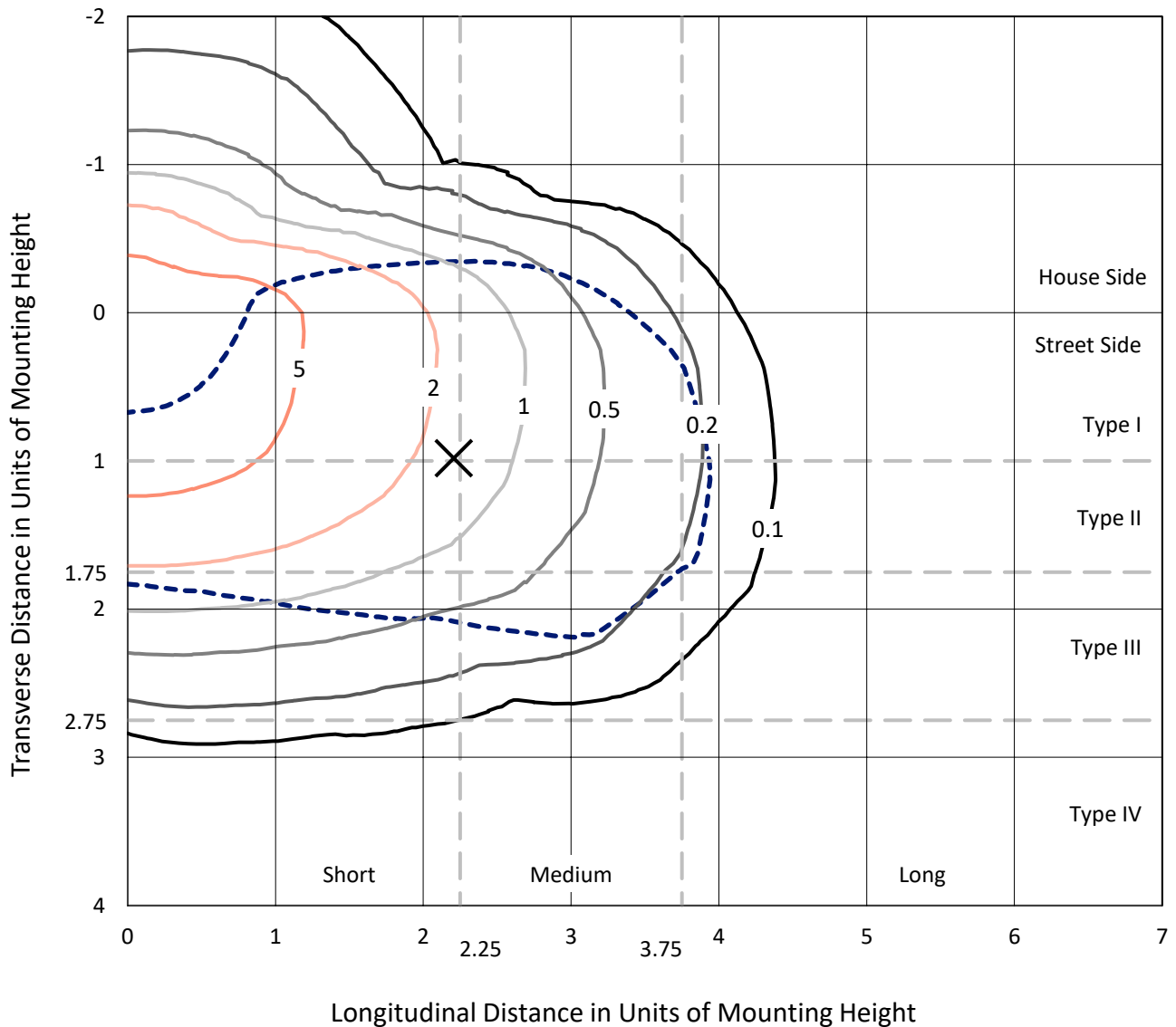
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

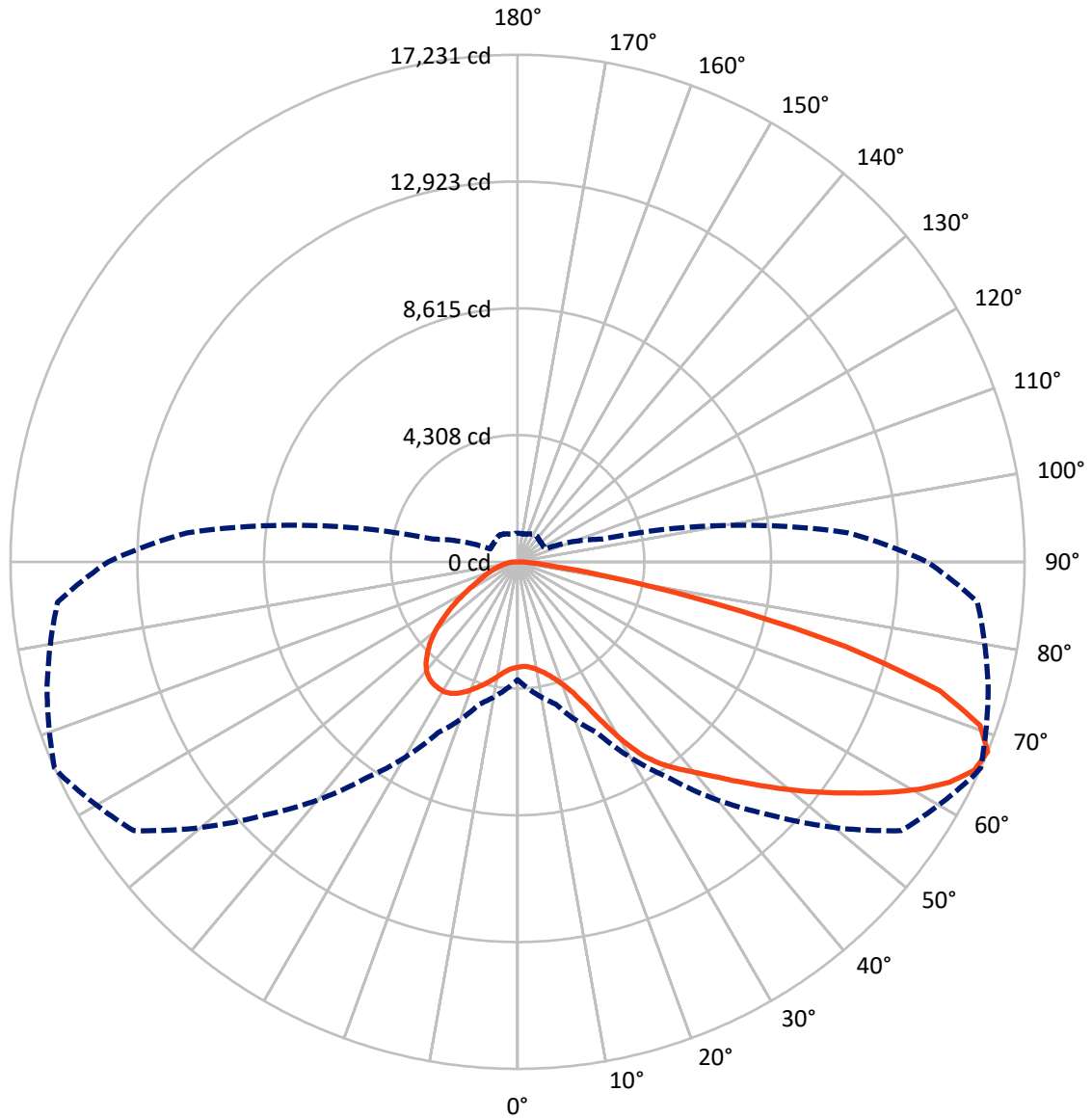
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8026.1	0.0	8026.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	24252.9	0.0	24252.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	32279.0	0.0	32279.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	355.0	1.1
10°-20°	1172.7	3.6
20°-30°	2260.4	7.0
30°-40°	3963.3	12.3
40°-50°	5892.1	18.3
50°-60°	7468.8	23.1
60°-70°	7308.1	22.6
70°-80°	3486.0	10.8
80°-90°	372.6	1.2
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°	32279.0	100.0
0°-180°	32279.0	100.0

**Coefficient of Utilization**



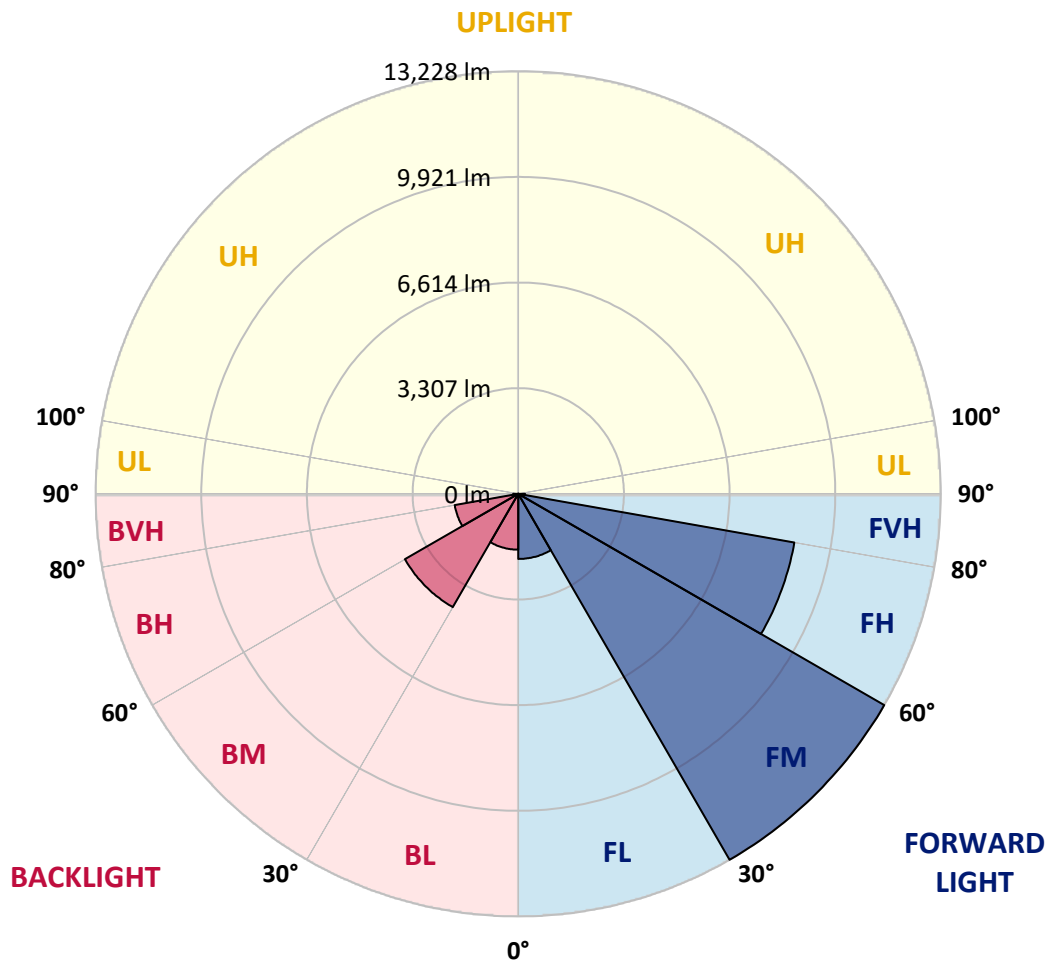
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2039.7	6.3			
FM (30°-60°)	13227.7	41.0			
FH (60°-80°)	8774.3	27.2			G4/12000
FVH (80°-90°)	211.2	0.7			G2/225
BL (0°-30°)	1748.4	5.4	B3/2500		
BM (30°-60°)	4096.6	12.7	B3/5000		
BH (60°-80°)	2019.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	161.3	0.5			G2/225
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°	65°	66°	75°
0°	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2
2.5°	3542.9	3563.2	3558.1	3549.6	3547.9	3551.3	3556.4	3561.5	3559.8	3568.3
5°	3532.7	3553.0	3551.3	3551.3	3558.1	3571.7	3580.2	3588.6	3580.2	3590.3
7.5°	3539.5	3554.7	3561.5	3568.3	3585.3	3610.7	3631.0	3649.7	3639.5	3651.4
10°	3626.0	3637.8	3644.6	3644.6	3656.5	3685.3	3705.7	3739.6	3731.1	3749.8
12.5°	3783.7	3795.6	3795.6	3788.8	3797.3	3815.9	3822.7	3860.0	3844.7	3875.3
15°	3977.0	4000.8	3982.1	3970.2	3973.6	3992.3	3990.6	4019.4	4004.2	4029.6
17.5°	4190.7	4221.2	4190.7	4189.0	4182.2	4202.6	4204.3	4229.7	4202.6	4221.2
20°	4443.4	4485.8	4460.4	4468.8	4453.6	4462.1	4470.5	4507.9	4465.5	4479.0
22.5°	4799.6	4850.4	4823.3	4855.5	4845.4	4838.6	4836.9	4903.0	4836.9	4842.0
25°	5318.5	5379.6	5332.1	5376.2	5376.2	5398.2	5423.7	5508.5	5398.2	5366.0
27.5°	6085.1	6146.2	6052.9	6080.0	6071.5	6125.8	6098.7	6309.0	6190.2	6137.7
30°	7007.7	7116.2	6939.9	6933.1	6924.6	7011.1	7050.1	7189.2	7068.8	7016.2
32.5°	8004.9	8118.6	7908.3	7847.2	7815.0	7867.5	7835.3	7947.3	7864.2	7782.8
35°	9059.8	9171.7	8971.6	8852.9	8724.0	8613.8	8498.4	8527.3	8449.3	8325.5
37.5°	10057.0	10262.2	10050.2	9923.1	9685.6	9470.2	9148.0	9014.0	8941.1	8827.5
40°	11072.9	11189.9	11028.8	10920.3	10662.5	10325.0	9809.4	9526.2	9427.8	9317.6
42.5°	11820.8	11932.8	11846.3	11771.6	11569.8	11178.1	10511.5	10157.1	10014.6	9890.8
45°	12414.4	12497.5	12443.2	12470.4	12383.9	12004.0	11239.1	10833.8	10686.2	10535.3
47.5°	12653.5	12741.7	12828.2	12989.3	13136.9	12857.1	12021.0	11566.4	11410.4	11256.1
50°	12626.4	12716.3	12967.3	13309.9	13767.8	13674.5	12845.2	12346.6	12202.4	12026.0
52.5°	12409.3	12511.1	12833.3	13403.2	14132.4	14286.8	13684.7	13152.2	13016.5	12806.2
55°	11839.5	11900.5	12383.9	13191.2	14218.9	14714.1	14507.2	14010.3	13874.6	13581.2
57.5°	10782.9	10871.1	11574.9	12619.6	14001.8	15004.1	15229.7	14912.6	14782.0	14359.7
60°	9404.1	9544.9	10350.4	11659.7	13448.9	15002.4	15886.0	15799.5	15691.0	15126.3
62.5°	7843.8	8006.6	8781.7	10302.9	12482.3	14576.8	16296.5	16542.4	16486.4	15833.5
65°	6024.0	6136.0	6907.6	8547.6	10977.9	13662.6	16343.9	17049.5	17059.6	16371.1
67.5°	4010.9	4333.2	5003.1	6414.1	8963.1	12168.5	15926.7	17132.6	17230.9	16555.9
70°	1957.1	2381.1	3037.5	4168.7	6414.1	9877.3	14836.2	16450.8	16669.6	16016.6
72.5°	812.4	949.7	1307.6	2057.2	3681.9	6665.1	12645.1	14602.2	15007.5	14191.8
75°	547.8	593.6	747.9	1054.9	1677.3	3286.8	9119.2	10888.1	11541.0	10718.5
77.5°	422.3	451.1	544.4	737.7	997.2	1243.1	4881.0	6561.7	6899.2	6387.0
80°	332.4	354.5	407.0	537.6	707.2	664.8	1663.7	2973.0	3168.0	2657.6
82.5°	288.3	296.8	291.7	364.6	469.8	388.4	546.1	1097.3	1210.9	878.5
85°	208.6	232.3	242.5	225.6	249.3	196.7	223.9	388.4	427.4	381.6
87.5°	84.8	125.5	154.3	145.9	91.6	56.0	69.5	113.6	130.6	142.5
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°
3580.2	0°	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2	3580.2
3581.9	2.5°	3583.6	3595.4	3603.9	3614.1	3620.9	3631.0	3651.4	3663.3	3665.0	3673.4
3609.0	5°	3615.8	3632.7	3651.4	3678.5	3709.1	3734.5	3773.5	3800.6	3810.8	3819.3
3675.1	7.5°	3685.3	3709.1	3743.0	3790.5	3834.6	3868.5	3916.0	3948.2	3980.4	3992.3
3780.3	10°	3788.8	3822.7	3871.9	3936.3	3983.8	4027.9	4077.1	4104.2	4136.4	4150.0
3905.8	12.5°	3917.7	3953.3	4017.7	4107.6	4151.7	4182.2	4199.2	4192.4	4199.2	4211.1
4056.7	15°	4065.2	4104.2	4177.1	4273.8	4304.3	4277.2	4239.9	4206.0	4200.9	4204.3
4239.9	17.5°	4239.9	4268.7	4353.5	4434.9	4412.9	4300.9	4219.5	4165.3	4138.1	4129.7
4473.9	20°	4484.1	4484.1	4553.6	4604.5	4457.0	4267.0	4139.8	4051.6	3995.7	3971.9
4792.8	22.5°	4780.9	4753.8	4797.9	4762.3	4448.5	4172.1	3995.7	3843.0	3758.2	3724.3
5238.8	25°	5157.4	5125.2	5113.3	4892.8	4387.4	4021.1	3734.5	3549.6	3475.0	3456.4
5881.6	27.5°	5725.6	5644.1	5489.8	4964.1	4275.5	3783.7	3429.2	3257.9	3215.5	3217.2
6707.5	30°	6482.0	6319.1	5940.9	4975.9	4092.3	3447.9	3117.2	2995.1	2974.7	2983.2
7401.2	32.5°	7182.4	7028.1	6402.2	4921.7	3810.8	3118.9	2837.3	2755.9	2725.4	2735.6
7930.3	35°	7731.9	7689.5	6829.6	4845.4	3464.8	2810.2	2586.3	2516.8	2457.4	2443.9
8428.9	37.5°	8250.8	8233.9	7150.2	4738.5	3122.3	2591.4	2384.5	2292.9	2206.4	2159.0
8980.1	40°	8820.7	8803.7	7360.5	4574.0	2818.7	2401.5	2203.0	2082.6	1975.8	1889.3
9604.2	42.5°	9461.8	9361.7	7460.5	4338.3	2560.9	2240.4	2055.5	1892.7	1751.9	1672.2
10309.7	45°	10162.2	9936.6	7458.8	4038.1	2343.8	2092.8	1897.8	1667.1	1536.5	1461.9
11033.9	47.5°	10905.0	10486.1	7367.2	3705.7	2133.5	1930.0	1653.6	1477.2	1390.7	1344.9
11820.8	50°	11671.6	11000.0	7211.2	3324.1	1918.1	1745.1	1500.9	1380.5	1314.4	1272.0
12601.0	52.5°	12392.4	11466.4	7023.0	2891.6	1699.4	1565.4	1433.1	1339.8	1270.3	1222.8
13357.4	55°	13062.3	11868.3	6756.7	2449.0	1521.3	1445.0	1400.9	1322.8	1243.1	1187.2
14125.6	57.5°	13657.6	12129.5	6297.1	2033.5	1394.1	1361.9	1366.9	1294.0	1202.4	1154.9
14882.0	60°	14152.8	12321.1	5617.0	1648.5	1290.6	1280.4	1314.4	1239.7	1132.9	1078.6
15521.4	62.5°	14449.6	12317.7	4782.6	1350.0	1202.4	1205.8	1244.8	1171.9	1063.4	1012.5
15855.5	65°	14424.1	12015.9	3866.8	1154.9	1117.6	1121.0	1171.9	1097.3	1005.7	975.2
15687.6	67.5°	13913.6	11279.8	2966.2	1027.8	1024.4	1039.6	1099.0	1046.4	970.1	966.7
14687.0	70°	12531.4	9751.8	2136.9	926.0	927.7	949.7	1027.8	1014.2	951.4	958.2
12348.3	72.5°	10048.6	7435.1	1434.8	819.1	820.8	856.5	959.9	988.7	932.8	1022.7
8761.3	75°	6692.3	4636.7	922.6	705.5	707.2	753.0	900.6	939.6	881.9	1019.3
4558.7	77.5°	3215.5	2084.3	668.2	593.6	593.6	636.0	778.4	841.2	751.3	792.0
1465.3	80°	1110.9	783.5	525.7	478.3	468.1	496.9	656.3	729.3	647.9	597.0
478.3	82.5°	437.6	407.0	422.3	371.4	337.5	356.2	510.5	602.1	476.6	430.8
269.7	85°	251.0	264.6	298.5	245.9	195.0	218.8	374.8	432.5	359.5	317.1
88.2	87.5°	67.8	93.3	137.4	127.2	88.2	93.3	178.1	239.1	206.9	159.4
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°
3580.2
3671.7
3817.6
3994.0
4156.8
4214.5
4216.2
4141.5
3966.8
3719.2
3459.8
3222.3
3012.0
2749.1
2454.1
2160.7
1897.8
1677.3
1458.5
1334.7
1256.7
1202.4
1165.1
1124.4
1054.9
997.2
973.5
971.8
956.5
1036.2
1027.8
725.9
559.7
429.1
323.9
164.5
0.0

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