

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: P849058

Luminaire Tested: **GLAN-SB5D-930-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849058  
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-SB5D-930-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34703 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

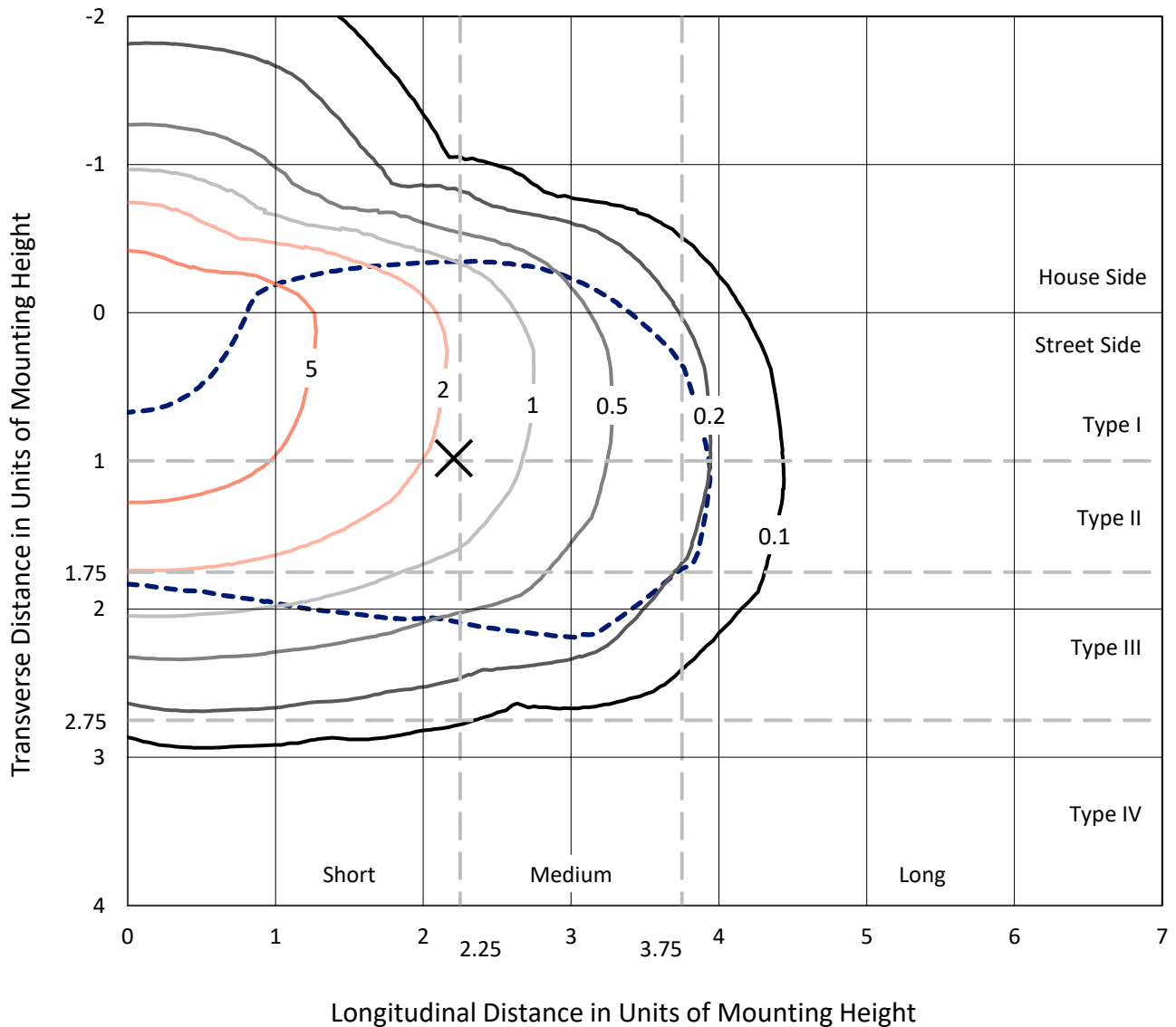
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

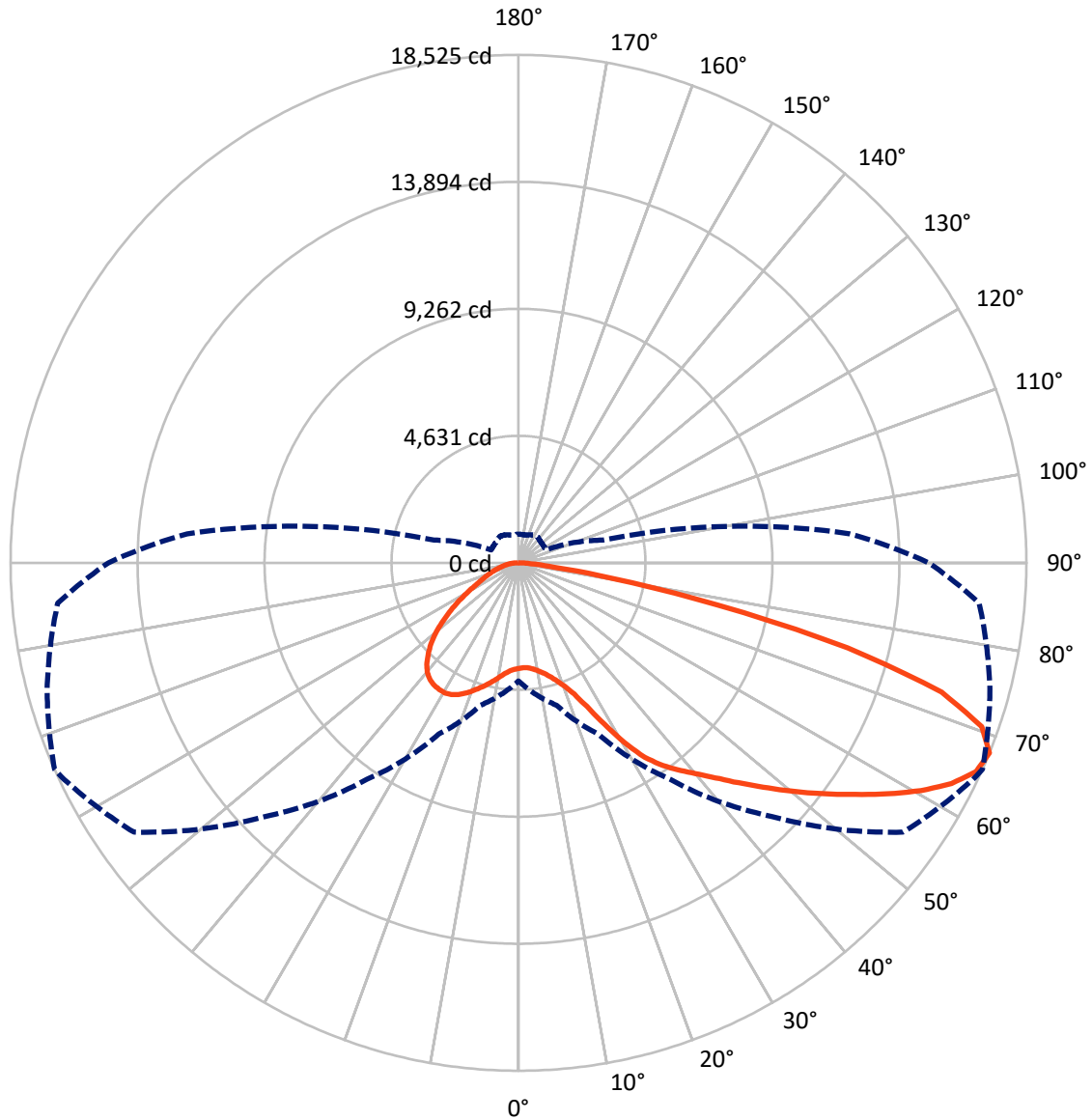
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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	8628.8	0.0	8628.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	26074.2	0.0	26074.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	34703.0	0.0	34703.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	381.6	1.1
10°-20°	1260.8	3.6
20°-30°	2430.1	7.0
30°-40°	4260.9	12.3
40°-50°	6334.6	18.3
50°-60°	8029.7	23.1
60°-70°	7856.9	22.6
70°-80°	3747.8	10.8
80°-90°	400.5	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°	34703.0	100.0
0°-180°	34703.0	100.0

**Coefficient of Utilization**

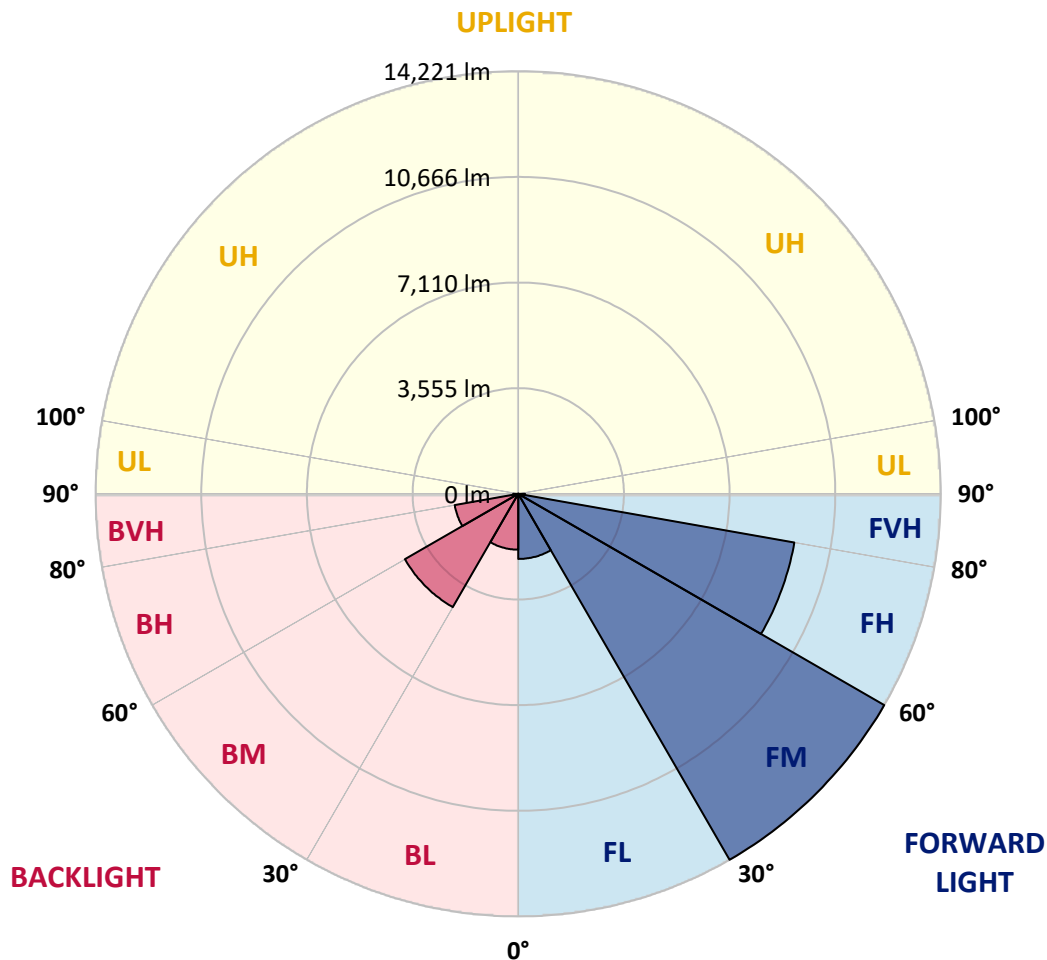


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2192.9	6.3			
FM (30°-60°)	14221.0	41.0			
FH (60°-80°)	9433.2	27.2			G4/12000
FVH (80°-90°)	227.1	0.7			G3/500
BL (0°-30°)	1879.7	5.4	B3/2500		
BM (30°-60°)	4404.2	12.7	B3/5000		
BH (60°-80°)	2171.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	173.4	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°	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0
2.5°	3808.9	3830.8	3825.3	3816.2	3814.4	3818.0	3823.5	3829.0	3827.1	3836.3
5°	3798.0	3819.8	3818.0	3818.0	3825.3	3839.9	3849.0	3858.1	3849.0	3860.0
7.5°	3805.3	3821.7	3829.0	3836.3	3854.5	3881.8	3903.7	3923.8	3912.8	3925.6
10°	3898.3	3911.0	3918.3	3918.3	3931.1	3962.1	3983.9	4020.4	4011.3	4031.4
12.5°	4067.8	4080.6	4080.6	4073.3	4082.4	4102.5	4109.8	4149.9	4133.5	4166.3
15°	4275.7	4301.2	4281.1	4268.4	4272.0	4292.1	4290.3	4321.3	4304.9	4332.2
17.5°	4505.4	4538.2	4505.4	4503.6	4496.3	4518.2	4520.0	4547.4	4518.2	4538.2
20°	4777.1	4822.7	4795.3	4804.4	4788.0	4797.1	4806.3	4846.4	4800.8	4815.4
22.5°	5160.0	5214.7	5185.5	5220.2	5209.2	5201.9	5200.1	5271.2	5200.1	5205.6
25°	5717.9	5783.6	5732.5	5779.9	5779.9	5803.6	5831.0	5922.1	5803.6	5769.0
27.5°	6542.1	6607.7	6507.4	6536.6	6527.5	6585.8	6556.6	6782.7	6655.1	6598.6
30°	7533.9	7650.6	7461.0	7453.7	7444.6	7537.6	7579.5	7729.0	7599.6	7543.1
32.5°	8606.1	8728.2	8502.1	8436.5	8401.8	8458.4	8423.7	8544.1	8454.7	8367.2
35°	9740.2	9860.5	9645.3	9517.7	9379.1	9260.6	9136.6	9167.6	9083.8	8950.7
37.5°	10812.3	11032.9	10805.0	10668.2	10413.0	10181.4	9835.0	9690.9	9612.5	9490.4
40°	11904.4	12030.2	11857.0	11740.3	11463.2	11100.4	10546.1	10241.6	10135.8	10017.3
42.5°	12708.5	12828.9	12735.9	12655.6	12438.7	12017.5	11300.9	10919.8	10766.7	10633.6
45°	13346.7	13436.0	13377.7	13406.8	13313.9	12905.4	12083.1	11647.3	11488.7	11326.4
47.5°	13603.8	13698.6	13791.6	13964.8	14123.4	13822.6	12923.7	12435.0	12267.3	12101.4
50°	13574.6	13671.2	13941.1	14309.4	14801.7	14701.4	13809.8	13273.7	13118.8	12929.1
52.5°	13341.2	13450.6	13797.0	14409.7	15193.7	15359.6	14712.3	14139.8	13994.0	13767.9
55°	12728.6	12794.2	13313.9	14181.8	15286.7	15819.1	15596.7	15062.4	14916.6	14601.1
57.5°	11592.6	11687.5	12444.1	13567.3	15053.3	16130.9	16373.4	16032.4	15892.0	15438.0
60°	10110.3	10261.6	11127.7	12535.3	14458.9	16129.1	17079.0	16986.0	16869.3	16262.2
62.5°	8432.8	8607.9	9441.1	11076.6	13419.6	15671.4	17520.2	17784.6	17724.5	17022.5
65°	6476.4	6596.8	7426.4	9189.5	11802.3	14688.6	17571.3	18329.8	18340.7	17600.5
67.5°	4312.1	4658.6	5378.8	6895.8	9636.2	13082.3	17122.8	18419.1	18524.9	17799.2
70°	2104.1	2559.9	3265.6	4481.7	6895.8	10619.0	15950.4	17686.2	17921.4	17219.4
72.5°	873.4	1021.1	1405.8	2211.7	3958.4	7165.6	13594.6	15698.8	16134.5	15257.5
75°	588.9	638.2	804.1	1134.1	1803.3	3533.6	9804.0	11705.7	12407.7	11523.4
77.5°	454.0	485.0	585.3	793.1	1072.1	1336.5	5247.5	7054.4	7417.3	6866.6
80°	357.4	381.1	437.6	578.0	760.3	714.7	1788.7	3196.3	3406.0	2857.1
82.5°	310.0	319.1	313.6	392.0	505.1	417.5	587.1	1179.7	1301.8	944.5
85°	224.3	249.8	260.7	242.5	268.0	211.5	240.7	417.5	459.5	410.2
87.5°	91.2	134.9	165.9	156.8	98.5	60.2	74.8	122.2	140.4	153.2
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°
3849.0	0°	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0	3849.0
3850.8	2.5°	3852.7	3865.4	3874.5	3885.5	3892.8	3903.7	3925.6	3938.4	3940.2	3949.3
3880.0	5°	3887.3	3905.5	3925.6	3954.8	3987.6	4014.9	4056.9	4086.1	4097.0	4106.1
3951.1	7.5°	3962.1	3987.6	4024.1	4075.1	4122.5	4159.0	4210.0	4244.7	4279.3	4292.1
4064.2	10°	4073.3	4109.8	4162.6	4231.9	4283.0	4330.4	4383.3	4412.4	4447.1	4461.7
4199.1	12.5°	4211.9	4250.2	4319.4	4416.1	4463.5	4496.3	4514.5	4507.2	4514.5	4527.3
4361.4	15°	4370.5	4412.4	4490.8	4594.8	4627.6	4598.4	4558.3	4521.8	4516.4	4520.0
4558.3	17.5°	4558.3	4589.3	4680.5	4768.0	4744.3	4623.9	4536.4	4478.1	4448.9	4439.8
4809.9	20°	4820.8	4820.8	4895.6	4950.3	4791.7	4587.5	4450.7	4355.9	4295.7	4270.2
5152.7	22.5°	5139.9	5110.8	5158.2	5119.9	4782.6	4485.4	4295.7	4131.6	4040.5	4004.0
5632.2	25°	5544.7	5510.1	5497.3	5260.3	4716.9	4323.1	4014.9	3816.2	3736.0	3715.9
6323.3	27.5°	6155.5	6068.0	5902.1	5336.8	4596.6	4067.8	3686.7	3502.6	3457.0	3458.8
7211.2	30°	6968.7	6793.7	6387.1	5349.6	4399.7	3706.8	3351.3	3220.0	3198.1	3207.2
7957.0	32.5°	7721.7	7555.8	6883.0	5291.3	4097.0	3353.1	3050.4	2962.9	2930.1	2941.0
8525.8	35°	8312.5	8266.9	7342.5	5209.2	3725.0	3021.2	2780.6	2705.8	2642.0	2627.4
9061.9	37.5°	8870.4	8852.2	7687.1	5094.3	3356.7	2786.0	2563.6	2465.1	2372.1	2321.1
9654.5	40°	9483.1	9464.8	7913.2	4917.5	3030.4	2581.8	2368.5	2239.0	2124.2	2031.2
10325.4	42.5°	10172.3	10064.7	8020.8	4664.0	2753.2	2408.6	2209.9	2034.8	1883.5	1797.8
11083.9	45°	10925.3	10682.8	8018.9	4341.3	2519.8	2250.0	2040.3	1792.3	1651.9	1571.7
11862.5	47.5°	11723.9	11273.6	7920.5	3983.9	2293.7	2074.9	1777.7	1588.1	1495.1	1445.9
12708.5	50°	12548.1	11826.0	7752.7	3573.7	2062.2	1876.2	1613.6	1484.2	1413.1	1367.5
13547.2	52.5°	13323.0	12327.4	7550.4	3108.8	1827.0	1682.9	1540.7	1440.4	1365.7	1314.6
14360.4	55°	14043.2	12759.6	7264.1	2632.9	1635.5	1553.5	1506.1	1422.2	1336.5	1276.3
15186.4	57.5°	14683.2	13040.4	6770.0	2186.2	1498.8	1464.1	1469.6	1391.2	1292.7	1241.7
15999.6	60°	15215.6	13246.4	6038.8	1772.3	1387.5	1376.6	1413.1	1332.8	1218.0	1159.6
16687.0	62.5°	15534.7	13242.7	5141.8	1451.4	1292.7	1296.4	1338.3	1259.9	1143.2	1088.5
17046.2	65°	15507.3	12918.2	4157.2	1241.7	1201.6	1205.2	1259.9	1179.7	1081.2	1048.4
16865.7	67.5°	14958.5	12126.9	3189.0	1104.9	1101.3	1117.7	1181.5	1125.0	1042.9	1039.3
15789.9	70°	13472.5	10484.1	2297.4	995.5	997.4	1021.1	1104.9	1090.3	1022.9	1030.2
13275.6	72.5°	10803.2	7993.4	1542.5	880.7	882.5	920.8	1032.0	1063.0	1002.8	1099.5
9419.3	75°	7194.8	4984.9	991.9	758.5	760.3	809.6	968.2	1010.1	948.1	1095.8
4901.1	77.5°	3457.0	2240.9	718.4	638.2	638.2	683.7	836.9	904.4	807.7	851.5
1575.3	80°	1194.3	842.4	565.2	514.2	503.2	534.2	705.6	784.0	696.5	641.8
514.2	82.5°	470.4	437.6	454.0	399.3	362.8	382.9	548.8	647.3	512.4	463.1
289.9	85°	269.9	284.4	320.9	264.4	209.7	235.2	403.0	464.9	386.5	341.0
94.8	87.5°	72.9	100.3	147.7	136.7	94.8	100.3	191.4	257.1	222.4	171.4
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°
3849.0
3947.5
4104.3
4293.9
4468.9
4530.9
4532.8
4452.5
4264.7
3998.5
3719.6
3464.3
3238.2
2955.6
2638.3
2322.9
2040.3
1803.3
1568.1
1435.0
1351.1
1292.7
1252.6
1208.9
1134.1
1072.1
1046.6
1044.8
1028.4
1114.0
1104.9
780.4
601.7
461.3
348.3
176.9
0.0

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