

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: P849613

Luminaire Tested: **GLAN-SB6D-727-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849613  
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-SB6D-727-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 54398 lumens  
Efficiency: N/A  
Efficacy: 123.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5

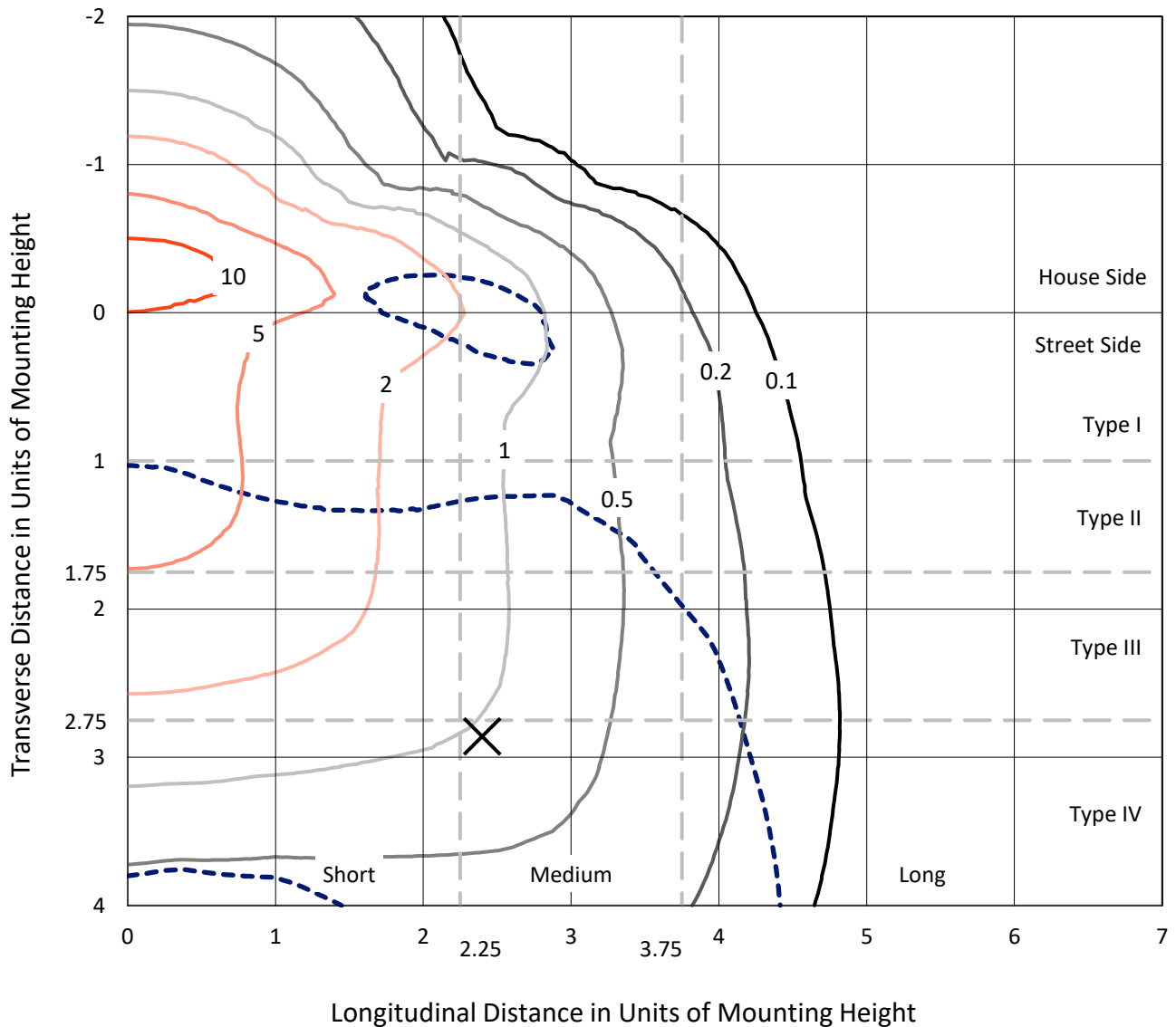
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

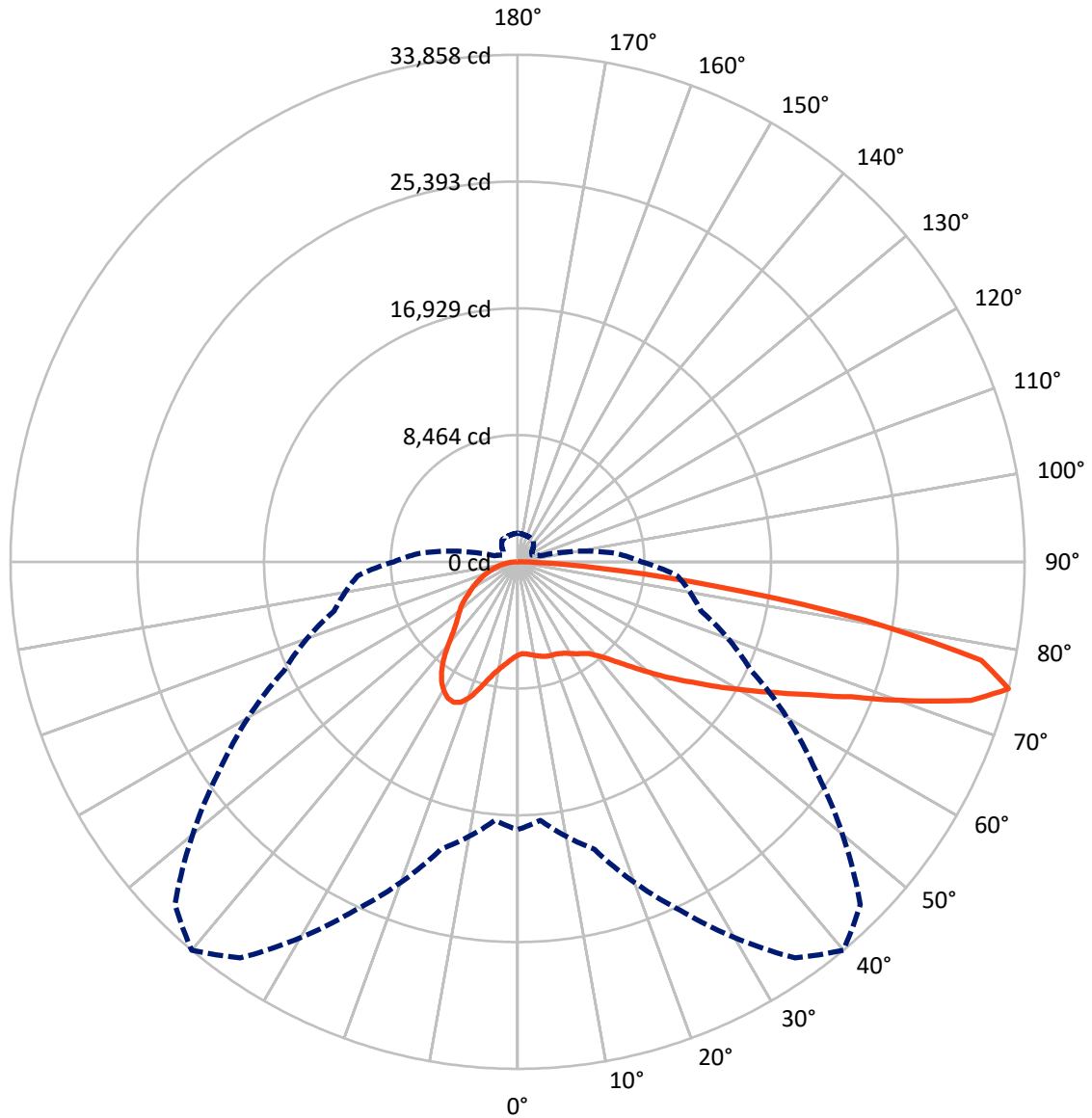
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 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	16854.3	0.0	16854.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	37543.7	0.0	37543.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	54398.0	0.0	54398.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	620.9	1.1
10°-20°	2084.7	3.8
20°-30°	3806.5	7.0
30°-40°	5398.7	9.9
40°-50°	7289.9	13.4
50°-60°	9806.9	18.0
60°-70°	12447.1	22.9
70°-80°	11296.5	20.8
80°-90°	1646.7	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°	54398.0	100.0
0°-180°	54398.0	100.0

**Coefficient of Utilization**

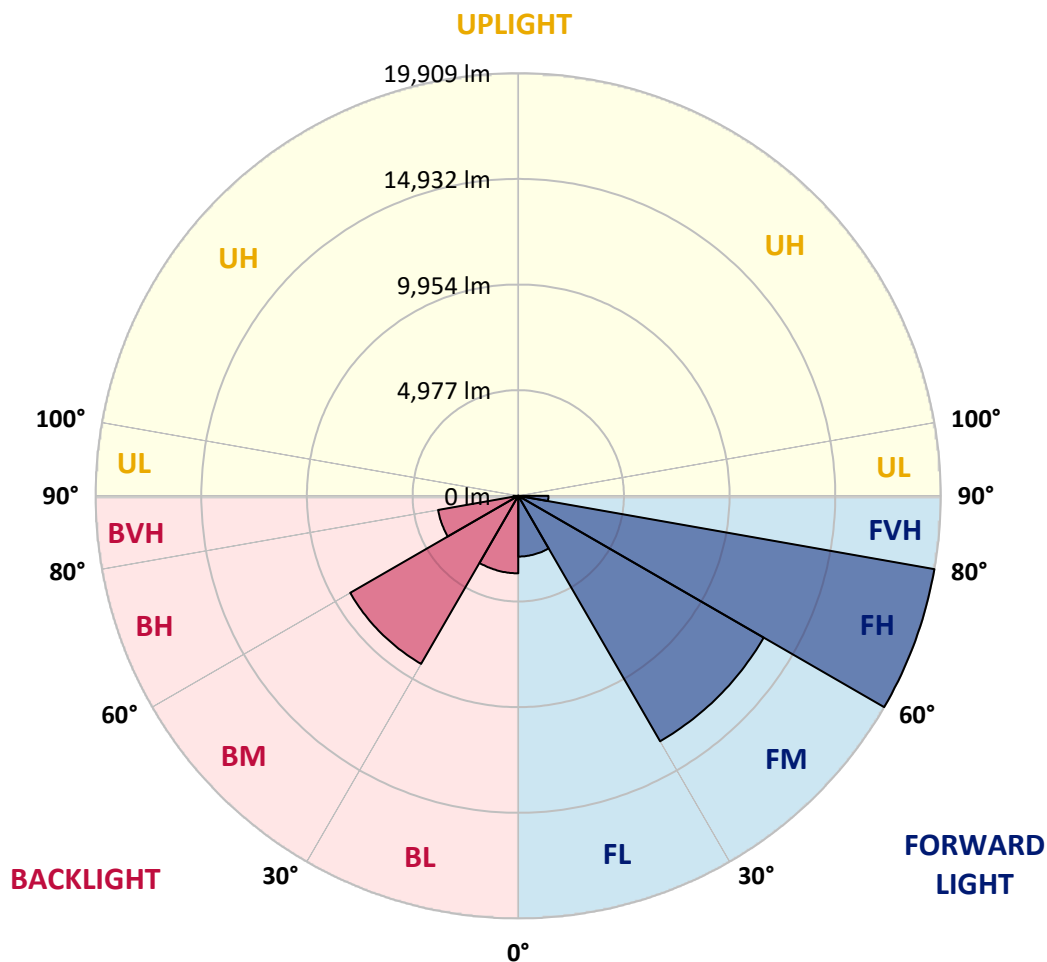


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2861.4	5.3			
FM (30°-60°)	13353.5	24.5			
FH (60°-80°)	19908.8	36.6			G5
FVH (80°-90°)	1420.0	2.6			G5
BL (0°-30°)	3650.8	6.7	B4/5000		
BM (30°-60°)	9142.0	16.8	B5		
BH (60°-80°)	3834.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	226.7	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°	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5
2.5°	6125.3	6159.9	6151.2	6139.7	6139.7	6142.6	6139.7	6159.9	6180.1	6200.3
5°	6188.7	6223.4	6206.1	6191.6	6180.1	6177.2	6168.6	6165.7	6177.2	6203.2
7.5°	6312.8	6347.4	6321.5	6295.5	6272.4	6260.9	6249.3	6232.0	6223.4	6237.8
10°	6451.3	6485.9	6454.2	6408.0	6370.5	6356.1	6344.5	6327.2	6315.7	6324.4
12.5°	6589.8	6624.4	6581.1	6517.7	6468.6	6460.0	6445.5	6439.8	6436.9	6434.0
15°	6719.6	6748.5	6693.7	6618.6	6566.7	6552.3	6537.9	6546.5	6560.9	6578.2
17.5°	6820.6	6849.5	6768.7	6670.6	6621.5	6615.8	6607.1	6636.0	6676.3	6719.6
20°	6912.9	6941.8	6837.9	6705.2	6647.5	6647.5	6650.4	6711.0	6768.7	6832.1
22.5°	7042.8	7065.8	6938.9	6757.1	6673.5	6679.2	6702.3	6762.9	6835.0	6921.6
25°	7236.1	7253.4	7097.6	6855.2	6760.0	6777.3	6797.5	6826.4	6895.6	6996.6
27.5°	7547.7	7562.1	7357.3	7028.3	6884.1	6912.9	6941.8	6921.6	6953.3	7039.9
30°	7986.2	7994.9	7735.2	7299.5	7094.7	7109.1	7114.9	7031.2	6970.6	7039.9
32.5°	8505.6	8502.7	8194.0	7628.5	7334.2	7319.7	7270.7	7106.2	6964.9	7025.5
35°	9310.5	9278.8	8880.6	8090.1	7605.4	7515.9	7400.5	7189.9	6993.7	7011.0
37.5°	10643.5	10545.4	9994.3	8846.0	8009.3	7781.4	7611.1	7325.5	7057.2	7005.3
40°	12146.7	12022.6	11416.7	9881.8	8615.2	8248.8	7974.7	7518.8	7161.1	7031.2
42.5°	13929.7	13753.7	13101.7	11102.2	9382.7	8851.8	8439.2	7764.1	7314.0	7114.9
45°	16119.6	15885.9	14962.6	12478.5	10349.2	9642.3	9091.3	8136.3	7547.7	7276.5
47.5°	18332.5	18390.2	17077.5	14053.8	11509.0	10617.5	9907.8	8696.0	7888.1	7536.1
50°	20684.0	20724.4	19180.8	15799.3	12824.7	11719.7	10825.3	9322.1	8361.3	7905.4
52.5°	22519.0	22524.7	21090.8	17625.7	14195.2	12931.5	11814.9	10037.6	8909.5	8395.9
55°	23667.3	23652.8	22429.5	19353.9	15770.5	14203.8	12911.3	10851.2	9578.9	8973.0
57.5°	24501.1	24457.8	23352.8	20839.8	17449.7	15707.0	14151.9	11774.5	10369.4	9659.6
60°	24818.5	24792.5	23978.9	22123.7	19215.4	17368.9	15582.9	12807.4	11266.7	10470.4
62.5°	24939.6	24988.7	24593.4	23367.2	21105.2	19209.6	17155.4	14042.3	12276.5	11387.9
65°	25366.6	25456.1	25375.3	24994.5	23240.3	21364.9	19241.4	15510.8	13378.7	12371.7
67.5°	26212.0	26301.5	26336.1	26942.0	25848.5	24051.0	21843.8	17340.0	14668.3	13393.1
70°	26191.8	26165.8	26777.5	28491.3	29114.5	27770.0	25352.2	19590.5	16206.1	14241.3
72.5°	23840.4	23632.6	25078.1	28474.0	31832.4	31653.5	29636.7	22493.0	17533.3	14345.2
75°	17885.3	17331.4	19884.8	25660.9	32285.3	33857.8	32360.4	24293.4	17218.9	12674.7
77.5°	7648.7	7091.8	10101.1	18996.1	28895.2	31650.6	29861.8	21194.7	13745.1	8381.5
80°	2002.3	1999.4	3052.5	8612.3	19651.1	23373.0	20505.1	13687.4	7853.5	2994.8
82.5°	828.1	807.9	1122.3	3349.7	9601.9	13116.1	10704.1	6105.1	2836.1	810.7
85°	308.7	305.8	545.3	1157.0	3387.2	5409.7	3915.2	1560.9	706.9	395.3
87.5°	86.6	83.7	118.3	401.0	825.2	1252.2	669.4	256.8	199.1	155.8
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°
6220.5	0°	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5	6220.5
6232.0	2.5°	6240.7	6255.1	6281.1	6301.3	6327.2	6356.1	6396.5	6422.4	6448.4	6465.7
6246.5	5°	6266.6	6298.4	6364.7	6431.1	6509.0	6581.1	6664.8	6725.4	6774.4	6788.9
6298.4	7.5°	6324.4	6376.3	6488.8	6601.3	6725.4	6843.7	6964.9	7068.7	7152.4	7184.1
6390.7	10°	6425.3	6494.6	6653.3	6811.9	6976.4	7158.2	7314.0	7464.0	7582.3	7631.3
6500.3	12.5°	6552.3	6638.8	6846.6	7065.8	7293.8	7544.8	7746.8	7931.4	8078.6	8144.9
6653.3	15°	6716.7	6829.3	7094.7	7389.0	7723.7	8072.8	8329.6	8534.4	8698.9	8779.7
6811.9	17.5°	6895.6	7045.7	7380.3	7824.7	8303.6	8762.3	9062.4	9212.4	9382.7	9460.6
6959.1	20°	7068.7	7253.4	7732.3	8378.6	9016.2	9503.8	9746.2	9786.6	9798.1	9806.8
7097.6	22.5°	7247.6	7495.7	8173.8	9076.8	9760.6	10098.2	10132.8	9959.7	9717.3	9604.8
7233.2	25°	7443.8	7772.7	8750.8	9847.2	10401.1	10441.5	10176.1	9754.8	9296.1	9085.5
7342.8	27.5°	7634.2	8093.0	9443.2	10582.9	10862.8	10507.9	9936.6	9339.4	8785.4	8563.3
7420.7	30°	7824.7	8459.4	10207.8	11226.3	11073.4	10343.4	9558.7	8892.2	8335.3	8101.6
7490.0	32.5°	8018.0	8886.4	11087.8	11690.8	11035.9	9994.3	9088.4	8390.2	7899.7	7654.4
7550.6	35°	8237.2	9411.5	11921.6	11944.7	10784.9	9480.8	8468.1	7790.0	7363.0	7166.8
7622.7	37.5°	8522.9	10078.0	12657.4	12008.2	10346.3	8727.7	7697.7	7080.3	6728.3	6638.8
7729.4	40°	8877.7	10880.1	13220.0	11907.2	9697.1	7813.1	6855.2	6361.9	6162.8	6183.0
7873.7	42.5°	9339.4	11777.4	13615.2	11647.5	8794.1	6869.7	6116.6	5897.3	5992.6	6073.3
8090.1	45°	9939.5	12709.3	13860.5	11206.1	7772.7	6070.5	5681.0	5732.9	5805.0	5813.7
8439.2	47.5°	10707.0	13652.8	14022.1	10539.6	6731.2	5507.8	5404.0	5415.5	5401.1	5340.5
8961.4	50°	11664.8	14570.2	14166.3	9656.8	5845.4	5155.8	5017.4	4977.0	4777.9	4581.7
9656.8	52.5°	12755.5	15412.7	14226.9	8560.4	5155.8	4861.6	4636.5	4382.6	4010.4	3949.8
10531.0	55°	13967.2	16191.7	14071.1	7213.0	4575.9	4483.6	4143.1	3837.3	3796.9	3745.0
11682.2	57.5°	15415.6	17031.3	13753.7	5709.8	3981.6	4042.2	3710.4	3745.0	3672.9	3592.1
13162.3	60°	16999.6	17899.8	13196.9	4339.3	3367.0	3491.1	3597.8	3595.0	3574.8	3508.4
14723.2	62.5°	18424.9	18471.0	12100.5	3323.7	2827.5	3064.1	3355.5	3352.6	3335.3	3297.8
16353.3	65°	19273.1	18384.5	10271.3	2616.9	2383.2	2712.1	3026.6	3049.7	3052.5	3049.7
17579.5	67.5°	19123.1	17371.8	7761.2	2083.1	2016.8	2354.3	2700.5	2732.3	2755.4	2761.1
17735.3	70°	17426.6	15147.3	5060.6	1661.9	1690.7	2039.8	2391.8	2423.6	2443.8	2466.8
15389.6	72.5°	13583.5	11136.9	2896.7	1344.5	1405.1	1768.6	2086.0	2123.5	2135.0	2178.3
10709.8	75°	8277.6	6549.4	1563.8	1058.9	1154.1	1511.8	1783.1	1826.3	1846.5	1898.5
5259.7	77.5°	3935.4	2836.1	891.5	825.2	929.0	1234.9	1506.1	1555.1	1500.3	1529.2
1451.3	80°	1330.1	1053.1	562.6	629.0	709.8	963.7	1206.0	1255.1	1139.7	1133.9
481.8	82.5°	464.5	427.0	357.8	418.4	458.7	689.6	911.7	975.2	848.2	845.4
216.4	85°	181.8	173.1	199.1	227.9	274.1	424.1	600.1	631.9	522.2	421.2
63.5	87.5°	37.5	40.4	49.0	51.9	83.7	147.1	216.4	265.4	210.6	178.9
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°
6220.5
6454.2
6794.6
7187.0
7634.2
8144.9
8773.9
9457.7
9829.9
9636.6
9117.2
8589.2
8127.6
7686.2
7210.1
6702.3
6252.2
6148.4
5871.4
5386.7
4607.7
3970.0
3753.6
3577.6
3485.3
3283.4
3049.7
2766.9
2478.4
2195.6
1904.2
1506.1
1122.3
805.0
415.5
164.5
0.0

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