

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: P853209

Luminaire Tested: **GLAN-SB9C-730-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853209  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9C-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 65126 lumens  
Efficiency: N/A  
Efficacy: 144.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

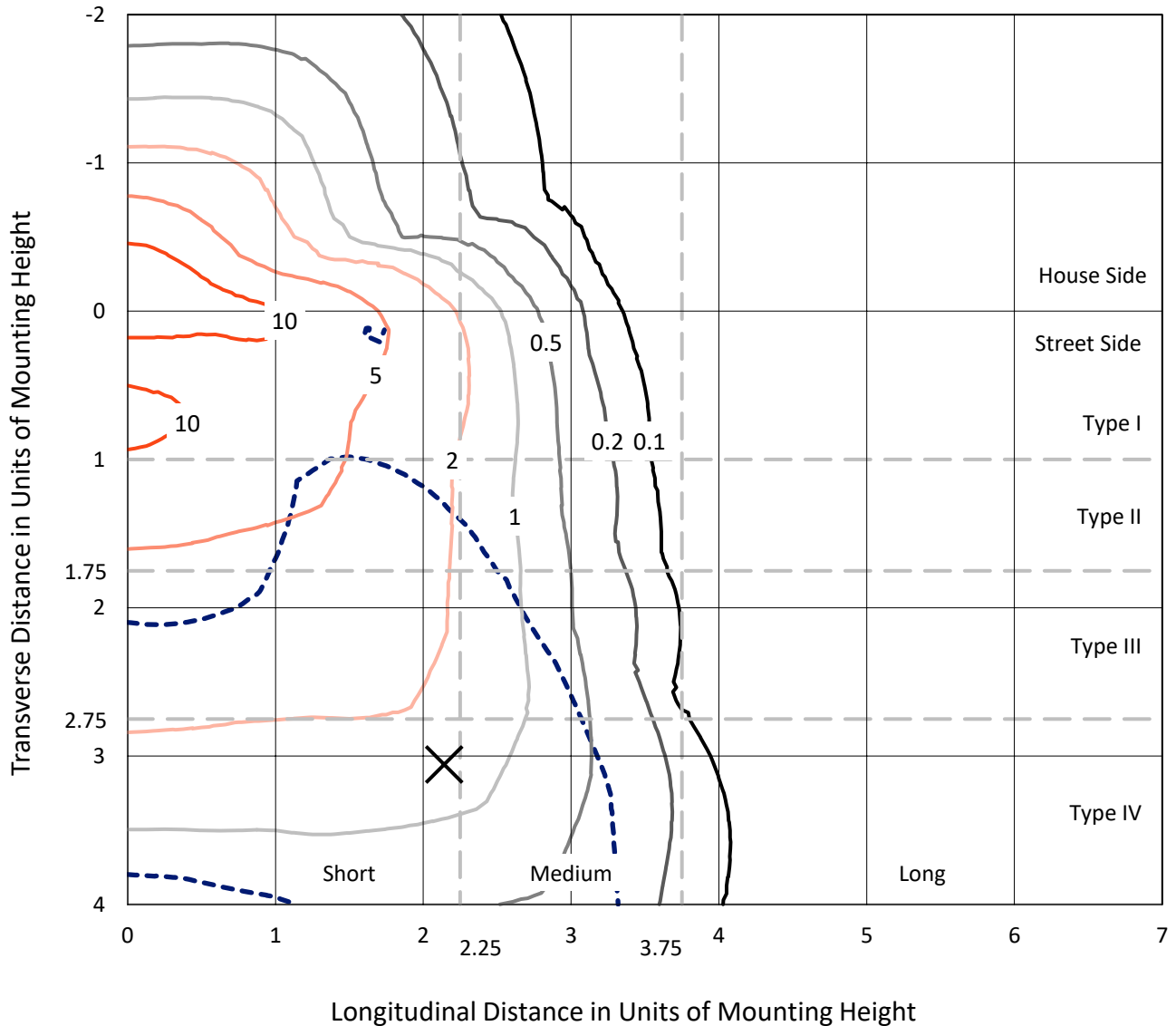
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

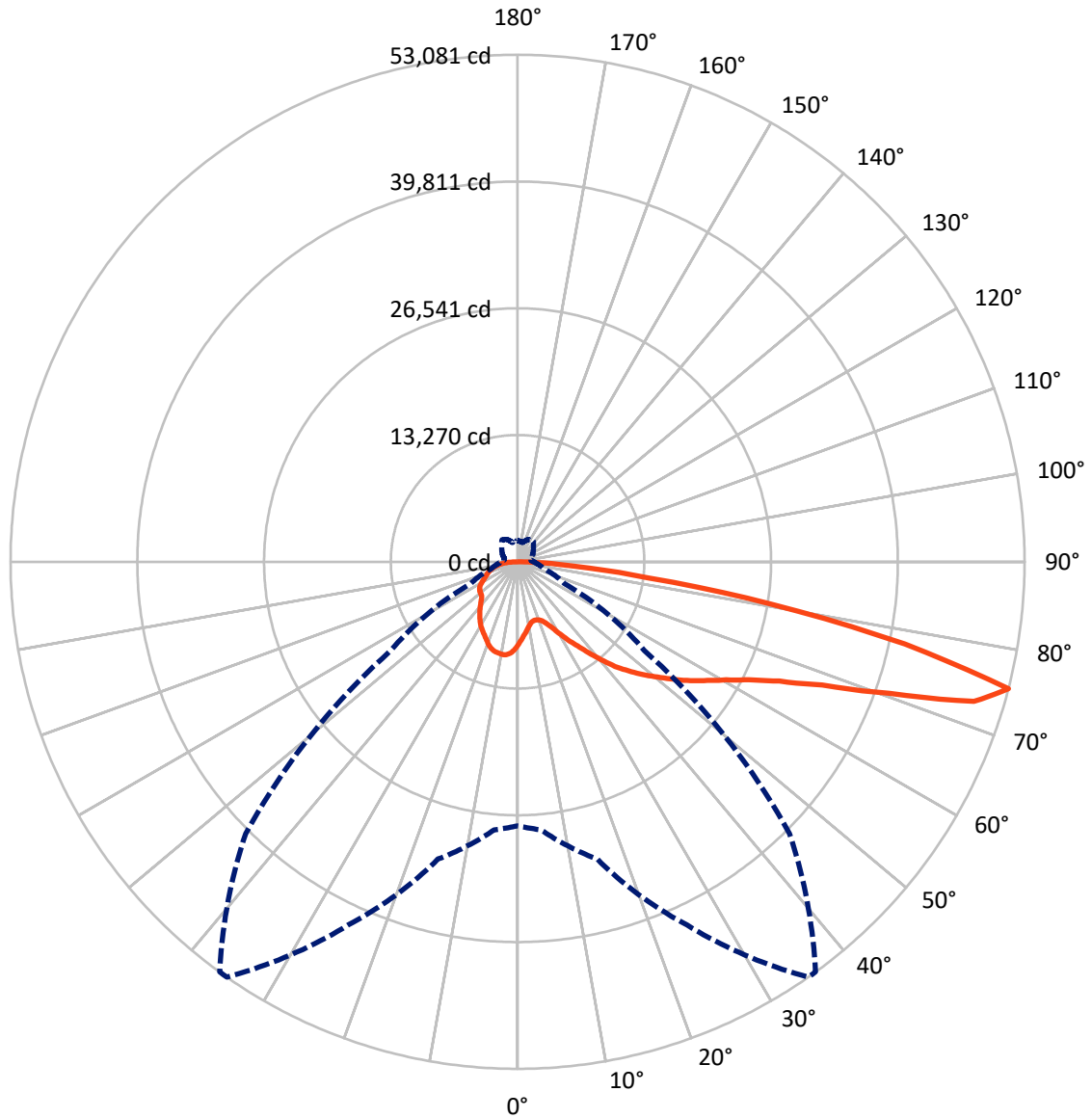
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15498.4	0.0	15498.4
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	49627.6	0.0	49627.6
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	65126.0	0.0	65126.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	821.7	1.3
10°-20°	2370.1	3.6
20°-30°	3980.0	6.1
30°-40°	6185.4	9.5
40°-50°	9180.8	14.1
50°-60°	12674.7	19.5
60°-70°	15377.3	23.6
70°-80°	12708.2	19.5
80°-90°	1827.8	2.8
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°	65126.0	100.0
0°-180°	65126.0	100.0

**Coefficient of Utilization**

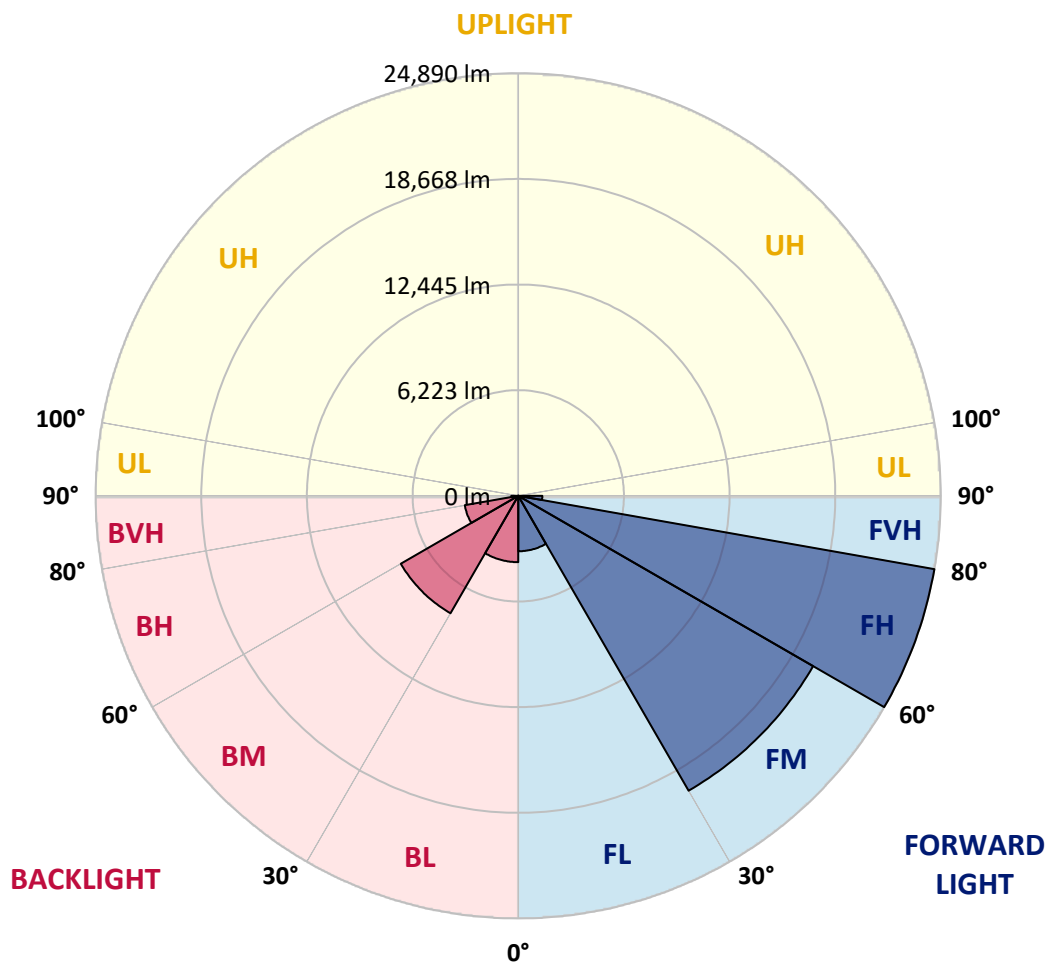


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3265.9	5.0			
FM (30°-60°)	20055.3	30.8			
FH (60°-80°)	24890.2	38.2			G5
FVH (80°-90°)	1416.2	2.2			G5
BL (0°-30°)	3905.8	6.0	B4/5000		
BM (30°-60°)	7985.7	12.3	B4/8500		
BH (60°-80°)	3195.3	4.9	B4/5000		G4/5000
BVH (80°-90°)	411.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5
2.5°	8002.5	8051.8	8072.9	8062.4	8115.2	8108.1	8182.1	8273.6	8400.3	8523.6
5°	7386.4	7439.2	7485.0	7527.2	7629.3	7661.0	7777.2	7953.2	8185.6	8421.5
7.5°	6812.5	6858.3	6928.7	7006.2	7178.7	7210.4	7404.0	7678.6	8002.5	8347.5
10°	6344.3	6390.0	6464.0	6552.0	6766.7	6805.5	7051.9	7418.1	7840.6	8277.1
12.5°	6143.6	6157.7	6199.9	6287.9	6474.5	6499.2	6770.3	7189.2	7682.1	8224.3
15°	6133.0	6161.2	6164.7	6210.5	6365.4	6376.0	6625.9	7041.4	7583.5	8213.8
17.5°	6238.6	6259.8	6228.1	6256.3	6386.5	6404.1	6601.3	6970.9	7551.9	8259.5
20°	6520.3	6537.9	6442.8	6404.1	6499.2	6513.3	6706.9	7016.7	7583.5	8354.6
22.5°	7118.8	7129.4	6897.0	6738.6	6745.6	6752.7	6921.7	7203.3	7706.8	8527.1
25°	8051.8	8044.8	7675.1	7368.8	7192.8	7154.0	7266.7	7506.1	7914.5	8755.9
27.5°	9143.2	9090.4	8720.7	8263.0	7879.3	7823.0	7798.3	7900.4	8210.2	9058.7
30°	10375.4	10326.2	9928.3	9329.8	8798.2	8706.6	8474.3	8421.5	8650.3	9470.6
32.5°	11727.4	11695.7	11220.4	10495.2	9784.0	9678.4	9287.6	9146.7	9326.3	10093.8
35°	12861.0	12832.9	12438.6	11692.2	10822.6	10692.3	10294.5	10136.0	10227.6	10893.0
37.5°	13885.6	13871.5	13533.5	12945.5	12047.8	11889.3	11442.2	11389.4	11371.8	11945.7
40°	14836.2	14800.9	14448.9	14139.1	13473.6	13329.3	12935.0	12889.2	12755.4	13241.3
42.5°	15888.8	15797.3	15286.8	15142.5	14962.9	14843.2	14607.3	14614.3	14318.6	14702.4
45°	16747.9	16695.1	16170.5	16086.0	16279.6	16230.3	16434.5	16487.4	15913.5	16233.9
47.5°	17670.3	17621.0	17177.4	17117.6	17642.1	17656.2	18378.0	18395.6	17469.6	17825.2
50°	18807.5	18737.1	18297.0	18370.9	18958.9	19011.7	20331.9	20212.2	18902.5	19441.2
52.5°	19557.4	19599.6	19504.6	19624.3	20427.0	20476.3	22254.2	21947.9	20321.4	21036.1
55°	20110.1	20194.6	20490.4	20765.0	21976.1	22025.4	24067.4	23599.1	21497.3	22514.8
57.5°	20821.3	20701.6	21254.4	21789.5	23447.7	23578.0	25831.2	25190.5	22539.4	23789.2
60°	21842.3	21757.8	22187.3	22979.5	25095.4	25303.1	27697.2	26623.4	23303.4	24799.7
62.5°	23912.5	23701.2	23768.1	24468.7	27172.6	27447.2	29802.6	27873.2	23683.6	25194.0
65°	27007.1	26644.5	26306.5	26792.4	30098.3	30369.4	32179.0	28855.5	23542.8	24430.0
67.5°	30904.5	30545.4	30130.0	30587.7	34407.6	34622.4	35111.8	29408.3	22433.8	21486.7
70°	34118.9	33985.1	34481.6	36365.1	41290.6	41297.6	38871.8	28950.6	19395.4	15234.0
72.5°	33692.9	33611.9	36227.8	42051.0	49965.5	49778.9	42431.3	25486.2	13065.2	6872.4
75°	27640.9	28165.5	32217.8	41948.9	53081.3	53056.7	40252.0	16202.2	5404.2	2848.2
77.5°	14822.1	15653.0	20916.4	30971.4	41438.4	42061.6	28299.2	5668.3	2320.1	1823.7
80°	4833.9	5559.2	8337.0	15769.1	26926.2	26810.0	12128.7	2225.1	1587.8	1292.1
82.5°	2052.6	2137.1	3724.9	7446.2	13818.7	13603.9	3862.2	1278.0	1116.1	883.7
85°	802.7	897.8	1644.2	3443.2	5985.2	5854.9	1394.2	633.7	714.7	577.4
87.5°	264.1	320.4	588.0	1179.4	1862.4	1795.5	341.5	218.3	309.8	264.1
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°
8678.5	0°	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5	8678.5
8703.1	2.5°	8752.4	8808.7	8875.6	8974.2	9058.7	9129.1	9203.1	9248.8	9266.4	9319.2
8717.2	5°	8815.8	8939.0	9104.5	9266.4	9424.9	9519.9	9604.4	9646.7	9685.4	9713.6
8755.9	7.5°	8921.4	9079.8	9340.4	9551.6	9685.4	9762.8	9819.2	9805.1	9819.2	9826.2
8798.2	10°	9012.9	9234.7	9544.6	9745.2	9847.3	9850.9	9836.8	9787.5	9762.8	9766.4
8861.6	12.5°	9122.1	9368.5	9703.0	9872.0	9900.2	9822.7	9762.8	9678.4	9646.7	9632.6
8956.6	15°	9270.0	9551.6	9875.5	9938.9	9868.5	9769.9	9667.8	9530.5	9460.1	9403.7
9118.6	17.5°	9449.5	9759.3	10009.3	9963.5	9812.1	9650.2	9484.7	9277.0	9132.6	9072.8
9340.4	20°	9699.5	9977.6	10111.4	9910.7	9681.9	9435.4	9153.8	8900.3	8766.5	8706.6
9622.0	22.5°	10002.3	10269.8	10210.0	9819.2	9495.3	9101.0	8748.9	8562.3	8495.4	8453.2
9984.7	25°	10364.9	10593.7	10280.4	9685.4	9189.0	8657.4	8386.3	8326.4	8294.7	8263.0
10428.3	27.5°	10836.7	10959.9	10333.2	9488.2	8710.2	8185.6	8087.0	8097.6	8087.0	8034.2
11044.4	30°	11459.8	11435.2	10382.5	9167.9	8160.9	7759.6	7766.6	7812.4	7819.4	7784.2
11903.4	32.5°	12280.1	12030.2	10407.1	8752.4	7636.4	7386.4	7393.4	7442.7	7477.9	7418.1
13026.5	35°	13273.0	12723.7	10368.4	8231.4	7231.5	7030.8	6978.0	6992.1	7002.6	6946.3
14389.0	37.5°	14431.3	13501.8	10195.9	7654.0	6897.0	6682.3	6569.6	6474.5	6418.2	6365.4
15931.1	40°	15702.2	14350.3	9879.0	7090.7	6523.8	6312.6	6143.6	5964.0	5773.9	5703.5
17564.7	42.5°	17033.1	15223.4	9495.3	6552.0	6094.3	5921.8	5742.2	5481.7	5196.5	5052.2
19261.6	45°	18413.2	16117.7	9118.6	6020.4	5654.2	5580.3	5372.6	5059.2	4749.4	4566.3
20962.1	47.5°	19765.1	16962.6	8565.8	5485.2	5242.3	5323.3	5161.3	4872.6	4527.6	4238.9
22648.5	50°	21057.2	17754.8	7661.0	4943.0	4907.8	5245.8	5090.9	4675.5	4281.1	3911.5
24303.3	52.5°	22338.7	18395.6	6502.7	4450.1	4728.3	5224.7	4999.4	4541.7	4059.3	3672.1
25859.4	55°	23426.6	18726.5	5386.6	4027.7	4467.7	5045.1	4890.2	4383.2	3746.0	3334.1
26926.2	57.5°	24046.3	18458.9	4457.2	3612.2	4108.6	4749.4	4703.6	4045.3	3372.8	3056.0
27133.9	60°	23778.7	17374.6	3696.7	3249.6	3767.1	4429.0	4379.7	3710.8	3087.6	2788.4
26021.4	62.5°	22303.5	15307.9	3094.7	2932.7	3457.3	4101.6	4055.8	3453.8	2869.4	2580.7
23067.5	65°	19332.1	12452.7	2626.4	2668.7	3144.0	3707.3	3774.2	3239.0	2696.8	2415.2
17846.3	67.5°	14744.6	9020.0	2260.3	2439.8	2837.7	3320.0	3513.6	3084.1	2552.5	2284.9
10326.2	70°	8403.9	5122.6	1950.5	2218.0	2566.6	2960.9	3313.0	2960.9	2397.6	2175.8
3869.2	72.5°	3186.2	2351.8	1686.4	1996.2	2306.0	2658.1	3091.2	2767.3	2218.0	2052.6
1999.7	75°	1700.5	1432.9	1418.8	1735.7	2006.8	2362.4	2813.0	2577.1	2084.2	2168.7
1383.6	77.5°	1158.3	1014.0	1186.5	1485.7	1679.4	2035.0	2517.3	2288.4	1806.1	1799.1
957.6	80°	802.7	718.2	964.7	1197.0	1299.1	1711.1	2196.9	1964.5	1471.6	1373.1
591.5	82.5°	482.3	468.3	721.7	894.3	918.9	1320.3	1820.2	1647.7	1204.1	1049.2
352.1	85°	264.1	278.1	461.2	524.6	535.1	922.4	1425.9	1274.5	925.9	778.1
126.7	87.5°	73.9	95.1	169.0	207.7	257.0	478.8	848.5	756.9	464.7	323.9
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°
8678.5
9315.7
9720.6
9836.8
9773.4
9625.5
9421.3
9076.3
8699.6
8460.2
8263.0
8044.8
7801.8
7446.2
6985.0
6400.6
5735.2
5069.8
4552.2
4207.2
3879.8
3629.8
3298.9
3013.7
2746.1
2534.9
2369.4
2242.7
2147.6
2024.4
2239.2
1658.2
1313.2
1056.2
785.1
323.9
0.0

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