

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: P853239

Luminaire Tested: **GLAN-SB9D-722-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853239  
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-SB9D-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 71637 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B5 - U0 - G5

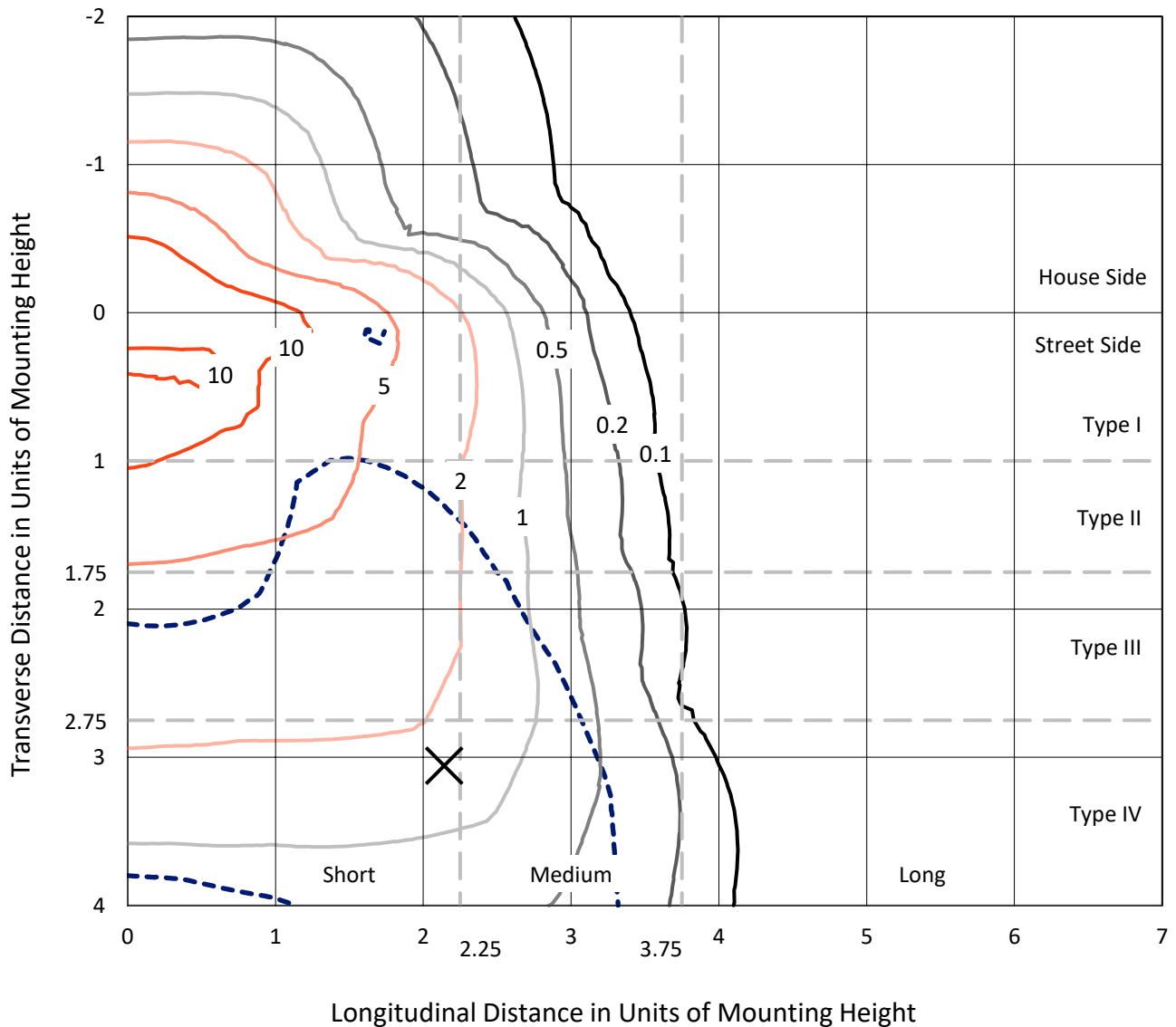
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

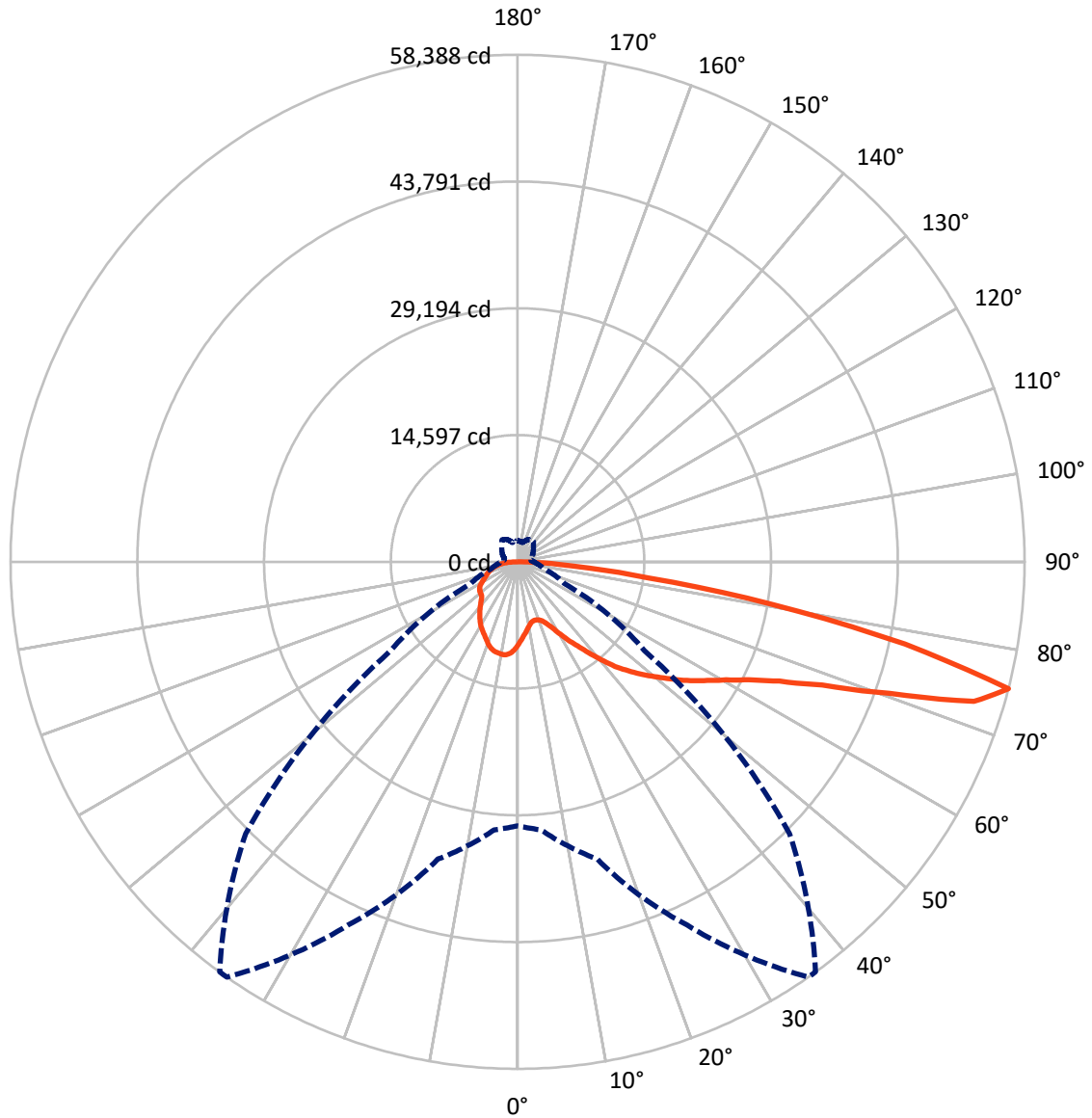
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.9 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	17047.8	0.0	17047.8
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	54589.2	0.0	54589.2
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	71637.0	0.0	71637.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	903.8	1.3
10°-20°	2607.0	3.6
20°-30°	4377.9	6.1
30°-40°	6803.8	9.5
40°-50°	10098.7	14.1
50°-60°	13941.9	19.5
60°-70°	16914.7	23.6
70°-80°	13978.7	19.5
80°-90°	2010.6	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°	71637.0	100.0
0°-180°	71637.0	100.0

**Coefficient of Utilization**

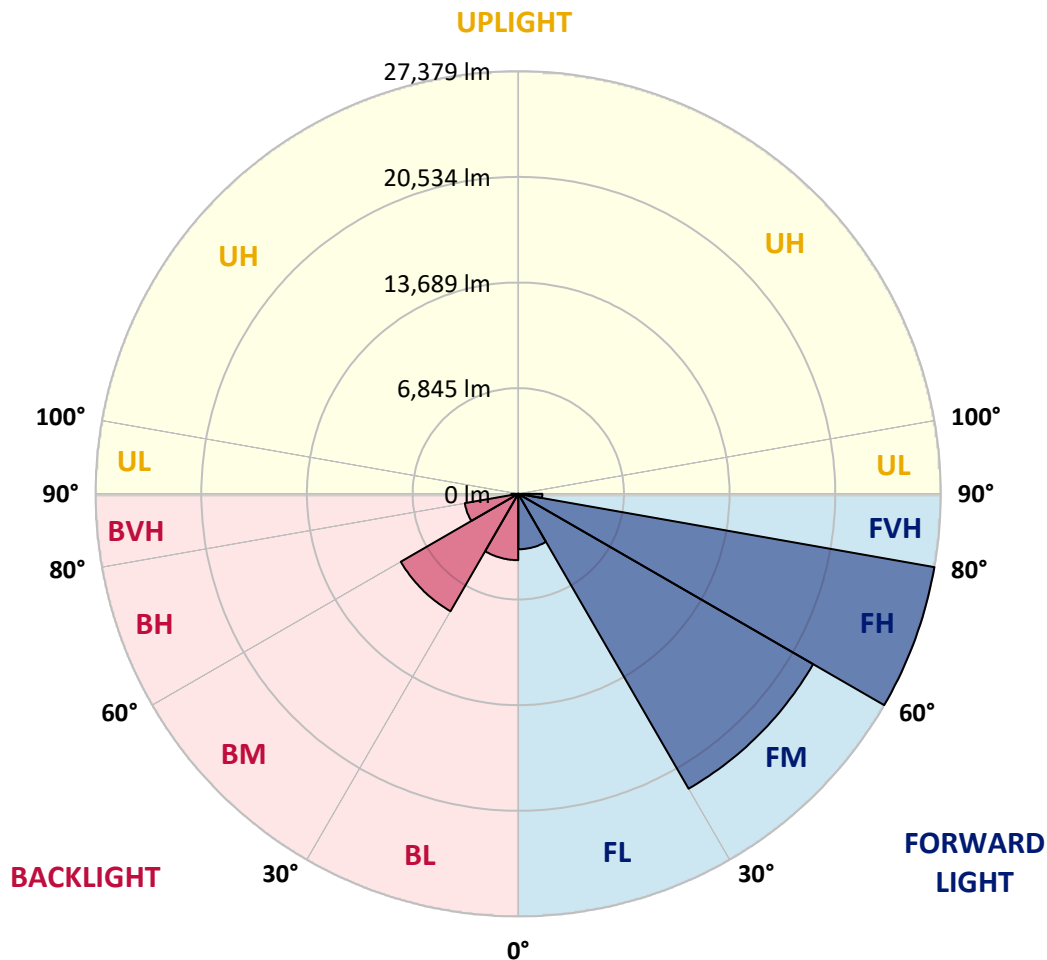


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3592.5	5.0			
FM (30°-60°)	22060.3	30.8			
FH (60°-80°)	27378.6	38.2			G5
FVH (80°-90°)	1557.8	2.2			G5
BL (0°-30°)	4296.3	6.0	B4/5000		
BM (30°-60°)	8784.1	12.3	B5		
BH (60°-80°)	3514.7	4.9	B4/5000		G4/5000
BVH (80°-90°)	452.7	0.6			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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1
2.5°	8802.6	8856.8	8880.0	8868.4	8926.5	8918.7	9000.1	9100.8	9240.2	9375.7
5°	8124.8	8182.9	8233.3	8279.8	8392.1	8426.9	8554.7	8748.3	9003.9	9263.4
7.5°	7493.6	7543.9	7621.4	7706.6	7896.4	7931.2	8144.2	8446.3	8802.6	9182.1
10°	6978.5	7028.9	7110.2	7207.0	7443.3	7485.9	7756.9	8159.7	8624.4	9104.6
12.5°	6757.8	6773.3	6819.8	6916.6	7121.8	7148.9	7447.1	7908.0	8450.2	9046.5
15°	6746.2	6777.2	6781.0	6831.4	7001.8	7013.4	7288.4	7745.3	8341.7	9034.9
17.5°	6862.4	6885.6	6850.7	6881.7	7025.0	7044.4	7261.2	7667.9	8306.9	9085.3
20°	7172.2	7191.5	7087.0	7044.4	7148.9	7164.4	7377.4	7718.2	8341.7	9189.8
22.5°	7830.5	7842.1	7586.5	7412.3	7420.0	7427.8	7613.7	7923.5	8477.3	9379.6
25°	8856.8	8849.0	8442.4	8105.5	7911.9	7869.3	7993.2	8256.5	8705.7	9631.3
27.5°	10057.3	9999.2	9592.6	9089.1	8667.0	8605.1	8577.9	8690.3	9031.1	9964.4
30°	11412.7	11358.5	10920.9	10262.6	9677.8	9577.1	9321.5	9263.4	9515.1	10417.5
32.5°	12899.8	12865.0	12342.2	11544.4	10762.1	10646.0	10216.1	10061.2	10258.7	11102.9
35°	14146.8	14115.9	13682.1	12861.1	11904.6	11761.3	11323.7	11149.4	11250.1	11982.0
37.5°	15273.8	15258.3	14886.5	14239.8	13252.3	13078.0	12586.2	12528.1	12508.7	13139.9
40°	16319.4	16280.7	15893.4	15552.6	14820.7	14661.9	14228.2	14177.8	14030.7	14565.1
42.5°	17477.3	17376.6	16815.1	16656.3	16458.8	16327.1	16067.7	16075.4	15750.1	16172.2
45°	18422.3	18364.2	17787.1	17694.2	17907.2	17853.0	18077.6	18135.7	17504.4	17856.9
47.5°	19436.9	19382.7	18894.7	18828.9	19405.9	19421.4	20215.3	20234.7	19216.2	19607.3
50°	20687.8	20610.3	20126.2	20207.6	20854.3	20912.4	22364.6	22233.0	20792.3	21384.8
52.5°	21512.6	21559.1	21454.6	21586.2	22469.2	22523.4	24479.1	24142.2	22353.0	23139.2
55°	22120.7	22213.6	22538.9	22841.0	24173.2	24227.4	26473.5	25958.5	23646.5	24765.7
57.5°	22902.9	22771.3	23379.3	23967.9	25791.9	25935.2	28413.7	27708.9	24792.8	26167.6
60°	24026.0	23933.1	24405.5	25276.9	27604.3	27832.8	30466.2	29285.1	25633.2	27279.0
62.5°	26303.1	26070.8	26144.3	26915.0	29889.2	30191.3	32782.1	30659.9	26051.4	27712.8
65°	29707.2	29308.3	28936.5	29471.0	33107.4	33405.6	35396.1	31740.3	25896.5	26872.4
67.5°	33994.2	33599.2	33142.3	33645.7	37847.5	38083.8	38622.1	32348.4	24676.6	23634.9
70°	37530.0	37382.8	37928.9	40000.7	45418.6	45426.3	42758.1	31844.9	21334.5	16757.0
72.5°	37061.4	36972.3	39849.7	46255.1	54960.8	54755.6	46673.3	28034.2	14371.5	7559.4
75°	30404.3	30981.3	35438.7	46142.8	58388.1	58361.0	44276.2	17822.0	5944.5	3133.0
77.5°	16303.9	17217.9	23007.5	34067.8	45581.2	46266.7	31128.5	6235.0	2552.1	2006.0
80°	5317.2	6114.9	9170.5	17345.7	29618.1	29490.3	13341.3	2447.5	1746.6	1421.3
82.5°	2257.8	2350.7	4097.3	8190.7	15200.2	14964.0	4248.3	1405.8	1227.6	972.0
85°	883.0	987.5	1808.5	3787.5	6583.5	6440.2	1533.6	697.1	786.2	635.1
87.5°	290.4	352.4	646.7	1297.3	2048.6	1975.1	375.6	240.1	340.8	290.4
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°
9546.1	0°	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1	9546.1
9573.2	2.5°	9627.4	9689.4	9763.0	9871.4	9964.4	10041.8	10123.1	10173.5	10192.8	10250.9
9588.7	5°	9697.1	9832.7	10014.7	10192.8	10367.1	10471.7	10564.6	10611.1	10653.7	10684.7
9631.3	7.5°	9813.3	9987.6	10274.2	10506.5	10653.7	10738.9	10800.9	10785.4	10800.9	10808.6
9677.8	10°	9914.0	10158.0	10498.8	10719.5	10831.8	10835.7	10820.2	10766.0	10738.9	10742.8
9747.5	12.5°	10034.1	10305.2	10673.1	10858.9	10889.9	10804.7	10738.9	10646.0	10611.1	10595.6
9852.1	15°	10196.7	10506.5	10862.8	10932.5	10855.1	10746.6	10634.3	10483.3	10405.8	10343.9
10030.2	17.5°	10394.2	10735.0	11010.0	10959.6	10793.1	10615.0	10433.0	10204.5	10045.7	9979.9
10274.2	20°	10669.2	10975.1	11122.3	10901.5	10649.8	10378.7	10068.9	9790.1	9642.9	9577.1
10584.0	22.5°	11002.2	11296.6	11230.7	10800.9	10444.6	10010.8	9623.6	9418.3	9344.7	9298.3
10982.9	25°	11401.1	11652.8	11308.2	10653.7	10107.7	9522.9	9224.7	9158.8	9124.0	9089.1
11470.8	27.5°	11920.1	12055.6	11366.3	10436.8	9581.0	9003.9	8895.5	8907.1	8895.5	8837.4
12148.5	30°	12605.5	12578.4	11420.5	10084.4	8976.8	8535.3	8543.1	8593.4	8601.2	8562.5
13093.5	32.5°	13507.8	13232.9	11447.6	9627.4	8399.8	8124.8	8132.6	8186.8	8225.5	8159.7
14328.9	35°	14599.9	13995.8	11405.0	9054.3	7954.5	7733.7	7675.6	7691.1	7702.7	7640.8
15827.6	37.5°	15874.0	14851.7	11215.2	8419.2	7586.5	7350.3	7226.4	7121.8	7059.9	7001.8
17523.8	40°	17272.1	15785.0	10866.7	7799.5	7176.0	6943.7	6757.8	6560.3	6351.2	6273.7
19320.7	42.5°	18735.9	16745.4	10444.6	7207.0	6703.6	6513.8	6316.3	6029.7	5716.1	5557.3
21187.3	45°	20254.0	17729.1	10030.2	6622.3	6219.5	6138.2	5909.7	5565.0	5224.2	5022.8
23057.8	47.5°	21741.1	18658.5	9422.2	6033.6	5766.4	5855.5	5677.3	5359.8	4980.2	4662.7
24912.8	50°	23162.4	19529.8	8426.9	5437.2	5398.5	5770.3	5599.9	5142.9	4709.2	4302.5
26733.0	52.5°	24572.0	20234.7	7152.8	4895.0	5201.0	5747.0	5499.2	4995.7	4465.2	4039.2
28444.7	55°	25768.7	20598.7	5925.2	4430.3	4914.4	5549.5	5379.1	4821.5	4120.5	3667.4
29618.1	57.5°	26450.3	20304.4	4902.8	3973.4	4519.4	5224.2	5173.9	4449.7	3710.0	3361.5
29846.6	60°	26156.0	19111.6	4066.3	3574.5	4143.7	4871.8	4817.6	4081.8	3396.3	3067.1
28622.9	62.5°	24533.3	16838.3	3404.1	3225.9	3803.0	4511.7	4461.3	3799.1	3156.2	2838.7
25373.7	65°	21264.8	13697.6	2889.0	2935.5	3458.3	4077.9	4151.5	3562.9	2966.5	2656.6
19630.5	67.5°	16218.7	9921.8	2486.2	2683.8	3121.4	3651.9	3864.9	3392.5	2807.7	2513.4
11358.5	70°	9244.0	5634.7	2145.5	2439.8	2823.2	3256.9	3644.2	3256.9	2637.3	2393.3
4256.1	72.5°	3504.8	2586.9	1855.0	2195.8	2536.6	2923.9	3400.2	3043.9	2439.8	2257.8
2199.7	75°	1870.5	1576.2	1560.7	1909.2	2207.4	2598.6	3094.3	2834.8	2292.6	2385.6
1522.0	77.5°	1274.1	1115.3	1305.1	1634.3	1847.3	2238.4	2769.0	2517.2	1986.7	1978.9
1053.4	80°	883.0	790.0	1061.1	1316.7	1429.0	1882.1	2416.5	2160.9	1618.8	1510.3
650.6	82.5°	530.6	515.1	793.9	983.7	1010.8	1452.2	2002.2	1812.4	1324.5	1154.1
387.3	85°	290.4	305.9	507.3	577.0	588.6	1014.6	1568.4	1401.9	1018.5	855.9
139.4	87.5°	81.3	104.6	185.9	228.5	282.7	526.7	933.3	832.6	511.2	356.3
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°
9546.1
10247.1
10692.4
10820.2
10750.5
10587.9
10363.2
9983.7
9569.4
9306.0
9089.1
8849.0
8581.8
8190.7
7683.4
7040.5
6308.6
5576.6
5007.4
4627.8
4267.7
3992.7
3628.7
3315.0
3020.7
2788.3
2606.3
2466.9
2362.3
2226.8
2463.0
1824.0
1444.5
1161.8
863.6
356.3
0.0

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