

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: P852981

Luminaire Tested: **GLAN-SB7D-827-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852981  
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-SB7D-827-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 57029 lumens  
Efficiency: N/A  
Efficacy: 111.2 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

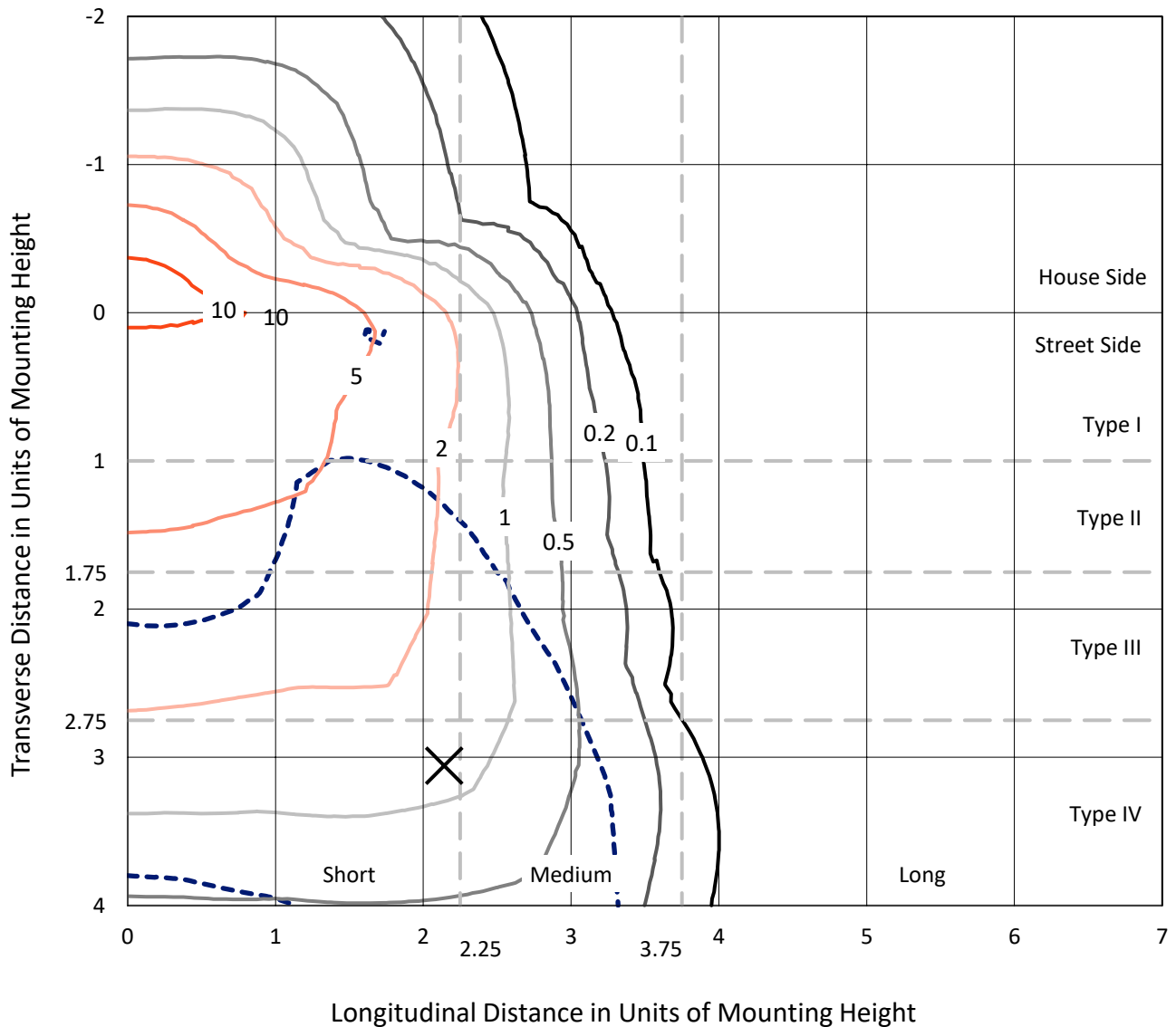
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

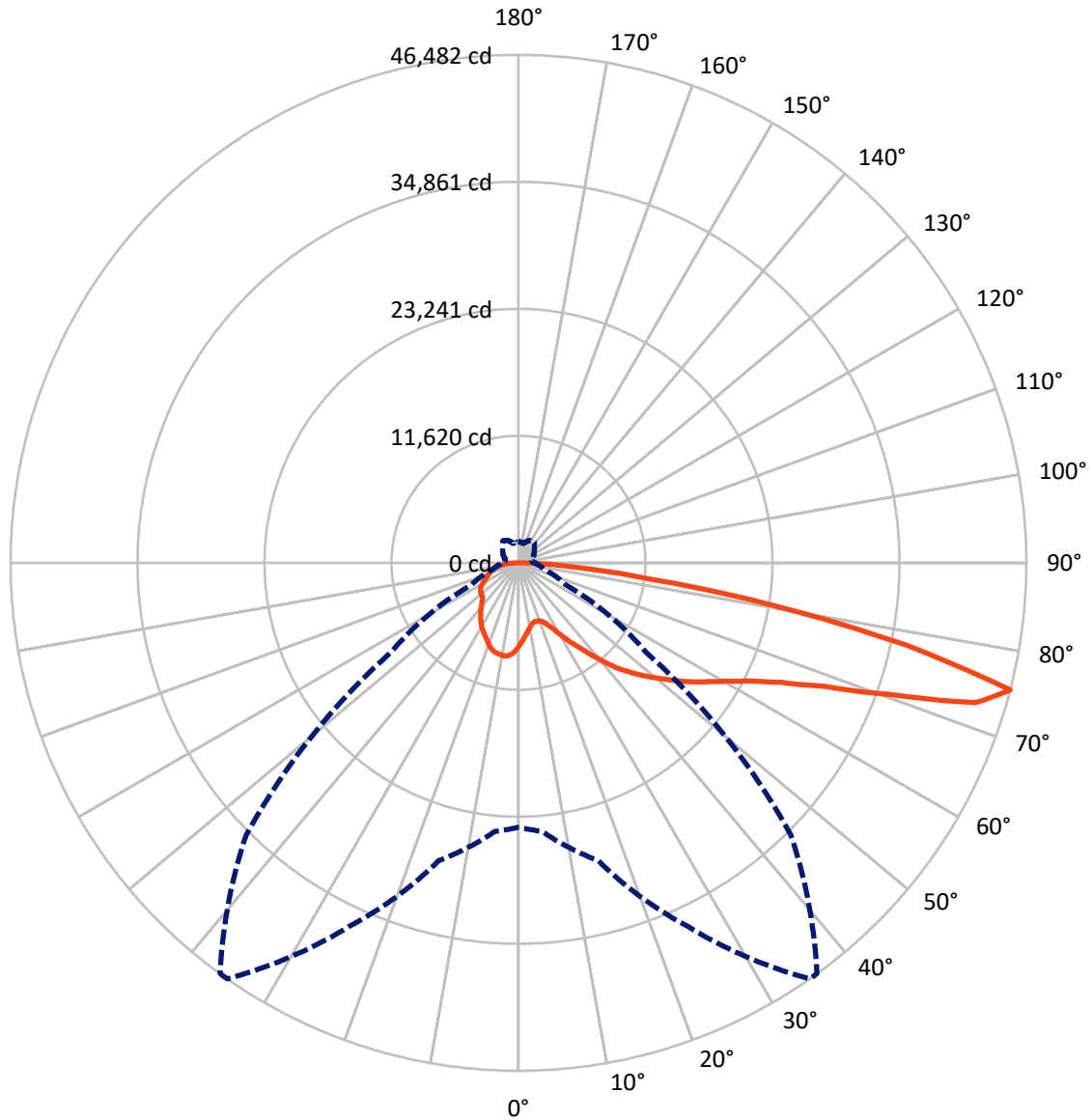
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 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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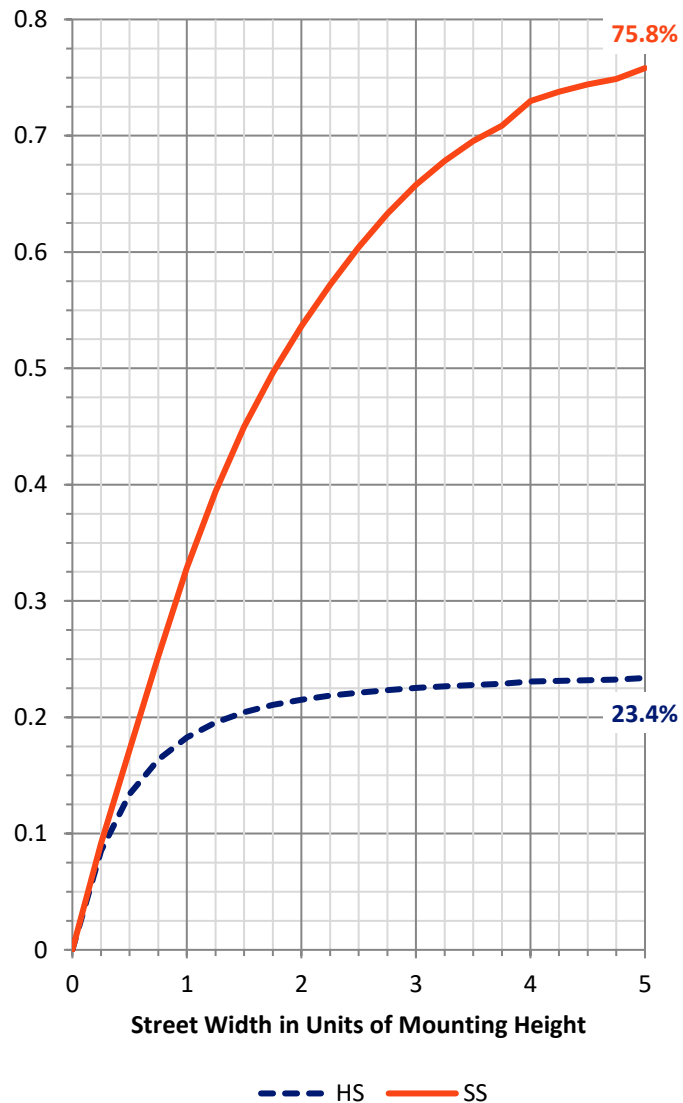
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13571.5	0.0	13571.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	43457.5	0.0	43457.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	57029.0	0.0	57029.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	719.5	1.3
10°-20°	2075.4	3.6
20°-30°	3485.2	6.1
30°-40°	5416.4	9.5
40°-50°	8039.4	14.1
50°-60°	11098.9	19.5
60°-70°	13465.5	23.6
70°-80°	11128.2	19.5
80°-90°	1600.6	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°	57029.0	100.0
0°-180°	57029.0	100.0

**Coefficient of Utilization**

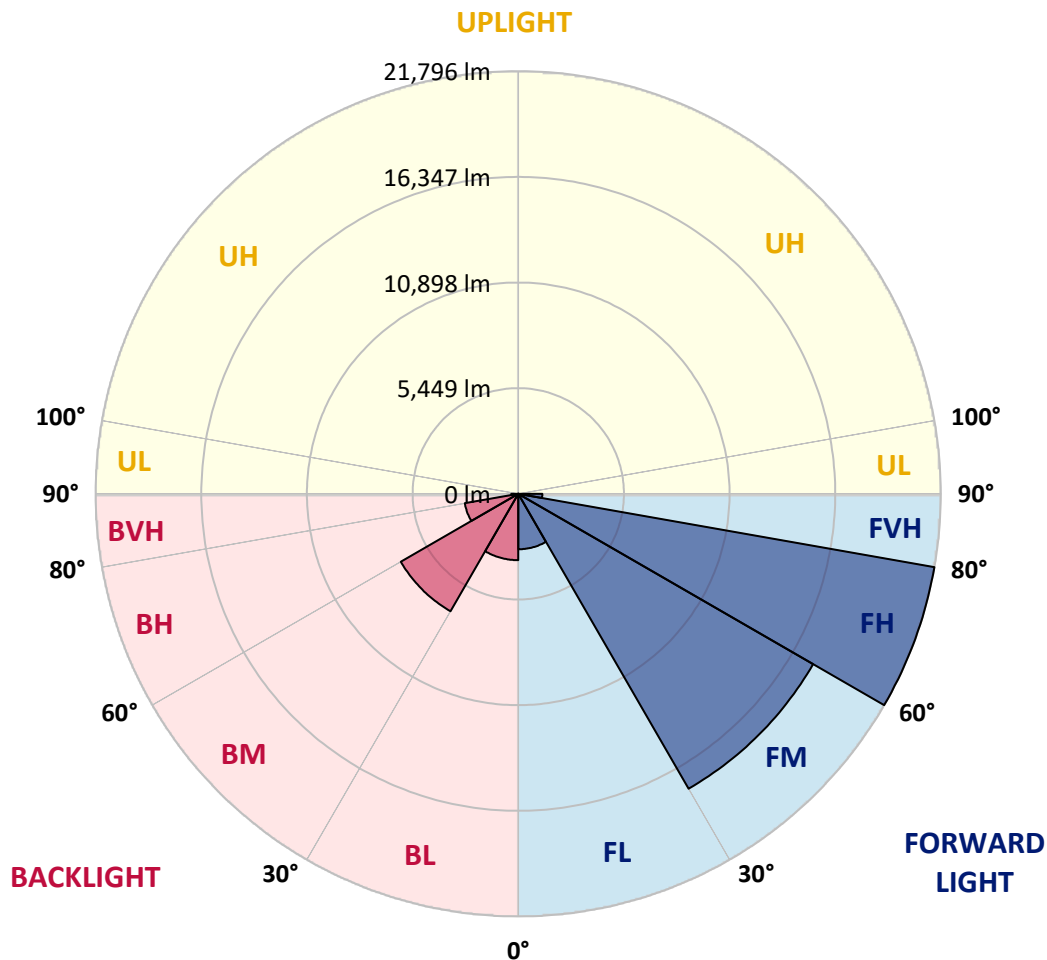


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2859.9	5.0			
FM (30°-60°)	17561.8	30.8			
FH (60°-80°)	21795.6	38.2			G5
FVH (80°-90°)	1240.2	2.2			G5
BL (0°-30°)	3420.2	6.0	B4/5000		
BM (30°-60°)	6992.8	12.3	B4/8500		
BH (60°-80°)	2798.0	4.9	B4/5000		G4/5000
BVH (80°-90°)	360.4	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°	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5
2.5°	7007.6	7050.7	7069.2	7060.0	7106.2	7100.1	7164.8	7245.0	7355.9	7463.8
5°	6468.1	6514.3	6554.4	6591.4	6680.8	6708.5	6810.3	6964.4	7167.9	7374.4
7.5°	5965.5	6005.6	6067.3	6135.1	6286.2	6313.9	6483.5	6723.9	7007.6	7309.7
10°	5555.5	5595.6	5660.3	5737.4	5925.5	5959.4	6175.2	6495.8	6865.8	7248.0
12.5°	5379.8	5392.1	5429.1	5506.2	5669.6	5691.1	5928.5	6295.4	6727.0	7201.8
15°	5370.5	5395.2	5398.3	5438.3	5574.0	5583.2	5802.1	6165.9	6640.7	7192.5
17.5°	5463.0	5481.5	5453.8	5478.4	5592.5	5607.9	5780.6	6104.3	6613.0	7232.6
20°	5709.6	5725.1	5641.8	5607.9	5691.1	5703.5	5873.0	6144.3	6640.7	7315.9
22.5°	6233.7	6243.0	6039.5	5900.8	5907.0	5913.1	6061.1	6307.7	6748.6	7466.9
25°	7050.7	7044.6	6720.9	6452.6	6298.5	6264.6	6363.2	6572.9	6930.5	7667.3
27.5°	8006.5	7960.2	7636.5	7235.7	6899.7	6850.3	6828.8	6918.2	7189.5	7932.5
30°	9085.5	9042.3	8694.0	8169.8	7704.3	7624.2	7420.7	7374.4	7574.8	8293.2
32.5°	10269.3	10241.6	9825.4	9190.3	8567.5	8475.1	8132.9	8009.5	8166.8	8838.9
35°	11262.1	11237.4	10892.1	10238.5	9477.0	9363.0	9014.6	8875.8	8956.0	9538.7
37.5°	12159.2	12146.9	11850.9	11336.0	10549.9	10411.2	10019.6	9973.4	9958.0	10460.5
40°	12991.6	12960.8	12652.5	12381.2	11798.5	11672.1	11326.8	11286.7	11169.6	11595.0
42.5°	13913.4	13833.2	13386.2	13259.8	13102.6	12997.8	12791.2	12797.4	12538.4	12874.4
45°	14665.6	14619.4	14160.0	14086.1	14255.6	14212.5	14391.3	14437.5	13935.0	14215.5
47.5°	15473.4	15430.2	15041.8	14989.4	15448.7	15461.1	16093.1	16108.5	15297.7	15609.0
50°	16469.2	16407.5	16022.2	16086.9	16601.7	16648.0	17804.1	17699.3	16552.4	17024.1
52.5°	17125.9	17162.8	17079.6	17184.4	17887.3	17930.5	19487.4	19219.2	17794.9	18420.7
55°	17609.9	17683.9	17942.8	18183.3	19243.8	19287.0	21075.1	20665.1	18824.6	19715.5
57.5°	18232.6	18127.8	18611.8	19080.4	20532.5	20646.6	22619.7	22058.6	19737.1	20831.6
60°	19126.7	19052.7	19428.8	20122.5	21975.3	22157.2	24253.7	23313.4	20406.1	21716.4
62.5°	20939.5	20754.5	20813.1	21426.6	23794.3	24034.8	26097.3	24407.8	20739.1	22061.7
65°	23649.4	23331.9	23035.9	23461.3	26356.2	26593.6	28178.3	25268.0	20615.8	21392.7
67.5°	27062.2	26747.8	26384.0	26784.8	30129.8	30317.8	30746.4	25752.0	19644.6	18815.3
70°	29877.0	29759.8	30194.5	31843.9	36157.0	36163.1	34039.0	25351.2	16984.0	13340.0
72.5°	29503.9	29433.0	31723.7	36822.9	43753.4	43590.0	37155.9	22317.6	11440.9	6017.9
75°	24204.3	24663.7	28212.2	36733.5	46481.8	46460.2	35247.5	14187.8	4732.3	2494.1
77.5°	12979.3	13706.8	18315.9	27120.8	36286.5	36832.1	24780.8	4963.6	2031.7	1597.0
80°	4232.9	4868.0	7300.5	13808.6	23578.5	23476.8	10620.8	1948.4	1390.4	1131.4
82.5°	1797.4	1871.4	3261.8	6520.5	12100.6	11912.6	3382.0	1119.1	977.3	773.8
85°	702.9	786.2	1439.7	3015.1	5241.0	5127.0	1220.9	554.9	625.8	505.6
87.5°	231.2	280.5	514.9	1032.8	1630.9	1572.3	299.0	191.1	271.3	231.2
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°
7599.5	0°	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5	7599.5
7621.1	2.5°	7664.2	7713.6	7772.1	7858.5	7932.5	7994.1	8058.9	8098.9	8114.4	8160.6
7633.4	5°	7719.7	7827.6	7972.5	8114.4	8253.1	8336.3	8410.3	8447.3	8481.2	8505.9
7667.3	7.5°	7812.2	7951.0	8179.1	8364.1	8481.2	8549.1	8598.4	8586.0	8598.4	8604.5
7704.3	10°	7892.4	8086.6	8357.9	8533.6	8623.0	8626.1	8613.8	8570.6	8549.1	8552.1
7759.8	12.5°	7988.0	8203.8	8496.6	8644.6	8669.3	8601.5	8549.1	8475.1	8447.3	8435.0
7843.1	15°	8117.4	8364.1	8647.7	8703.2	8641.5	8555.2	8465.8	8345.6	8283.9	8234.6
7984.9	17.5°	8274.7	8546.0	8764.9	8724.8	8592.2	8450.4	8305.5	8123.6	7997.2	7944.8
8179.1	20°	8493.6	8737.1	8854.3	8678.5	8478.1	8262.3	8015.7	7793.7	7676.6	7624.2
8425.7	22.5°	8758.7	8993.0	8940.6	8598.4	8314.7	7969.5	7661.2	7497.8	7439.2	7402.2
8743.3	25°	9076.2	9276.6	9002.2	8481.2	8046.5	7581.0	7343.6	7291.2	7263.5	7235.7
9131.7	27.5°	9489.4	9597.3	9048.5	8308.6	7627.2	7167.9	7081.6	7090.8	7081.6	7035.3
9671.3	30°	10035.0	10013.5	9091.7	8028.0	7146.3	6794.8	6801.0	6841.1	6847.3	6816.4
10423.5	32.5°	10753.4	10534.5	9113.2	7664.2	6686.9	6468.1	6474.2	6517.4	6548.2	6495.8
11407.0	35°	11622.8	11141.8	9079.3	7208.0	6332.4	6156.7	6110.4	6122.8	6132.0	6082.7
12600.1	37.5°	12637.1	11823.2	8928.3	6702.4	6039.5	5851.5	5752.8	5669.6	5620.2	5574.0
13950.4	40°	13750.0	12566.2	8650.8	6209.1	5712.7	5527.7	5379.8	5222.5	5056.1	4994.4
15380.9	42.5°	14915.4	13330.7	8314.7	5737.4	5336.6	5185.5	5028.3	4800.2	4550.5	4424.0
16866.9	45°	16123.9	14113.8	7984.9	5271.9	4951.2	4886.5	4704.6	4430.2	4158.9	3998.6
18356.0	47.5°	17307.7	14853.7	7500.8	4803.3	4590.5	4661.4	4519.6	4266.8	3964.7	3711.9
19832.7	50°	18439.2	15547.4	6708.5	4328.5	4297.6	4593.6	4458.0	4094.2	3748.9	3425.2
21281.7	52.5°	19561.4	16108.5	5694.2	3896.9	4140.4	4575.1	4377.8	3977.0	3554.7	3215.5
22644.4	55°	20514.0	16398.3	4716.9	3526.9	3912.3	4417.9	4282.2	3838.3	3280.3	2919.6
23578.5	57.5°	21056.6	16164.0	3903.0	3163.1	3597.8	4158.9	4118.8	3542.3	2953.5	2676.0
23760.4	60°	20822.3	15214.4	3237.1	2845.6	3298.8	3878.4	3835.2	3249.4	2703.8	2441.7
22786.2	62.5°	19530.6	13404.7	2709.9	2568.1	3027.5	3591.7	3551.6	3024.4	2512.6	2259.8
20199.6	65°	16928.5	10904.4	2299.9	2336.9	2753.1	3246.4	3304.9	2836.3	2361.5	2114.9
15627.5	67.5°	12911.4	7898.5	1979.3	2136.5	2484.9	2907.2	3076.8	2700.7	2235.1	2000.8
9042.3	70°	7359.0	4485.7	1708.0	1942.3	2247.5	2592.8	2901.1	2592.8	2099.5	1905.3
3388.2	72.5°	2790.1	2059.4	1476.7	1748.0	2019.3	2327.6	2706.8	2423.2	1942.3	1797.4
1751.1	75°	1489.1	1254.8	1242.4	1519.9	1757.3	2068.7	2463.3	2256.7	1825.1	1899.1
1211.6	77.5°	1014.3	887.9	1039.0	1301.0	1470.6	1782.0	2204.3	2003.9	1581.6	1575.4
838.6	80°	702.9	628.9	844.7	1048.2	1137.6	1498.3	1923.8	1720.3	1288.7	1202.4
517.9	82.5°	422.4	410.0	632.0	783.1	804.7	1156.1	1593.9	1442.8	1054.4	918.7
308.3	85°	231.2	243.6	403.9	459.4	468.6	807.7	1248.6	1116.0	810.8	681.3
111.0	87.5°	64.7	83.2	148.0	181.9	225.1	419.3	743.0	662.8	407.0	283.6
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°
7599.5
8157.5
8512.1
8613.8
8558.3
8428.8
8250.0
7947.9
7618.0
7408.4
7235.7
7044.6
6831.8
6520.5
6116.6
5604.8
5022.1
4439.5
3986.3
3684.1
3397.4
3178.5
2888.7
2639.0
2404.7
2219.7
2074.8
1963.8
1880.6
1772.7
1960.8
1452.1
1149.9
924.9
687.5
283.6
0.0

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