

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: P852913

Luminaire Tested: **GLAN-SB7B-827-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852913  
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-SB7B-827-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

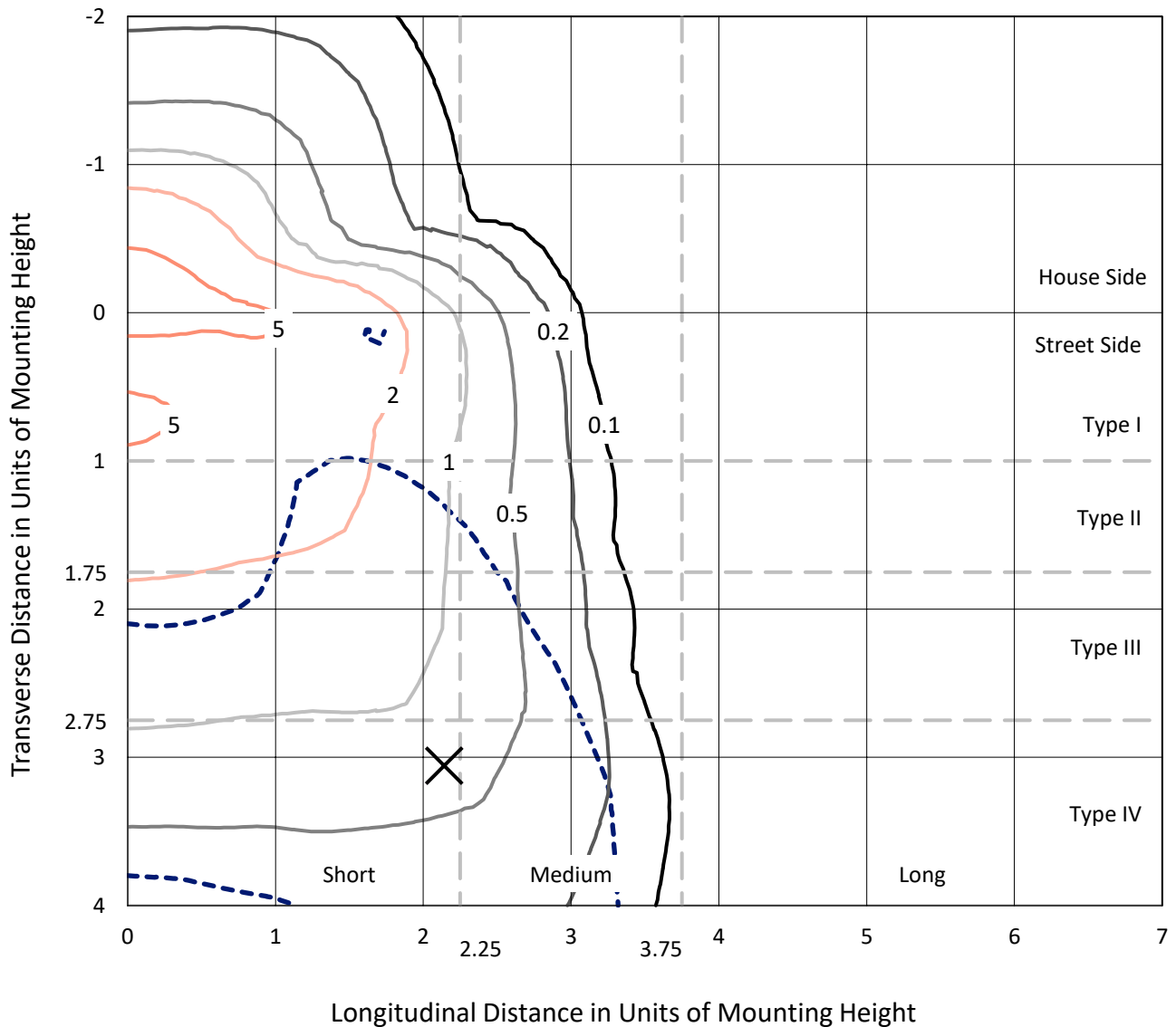
Lumens per Lamp: N/A  
Luminaire Lumens: 31558 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

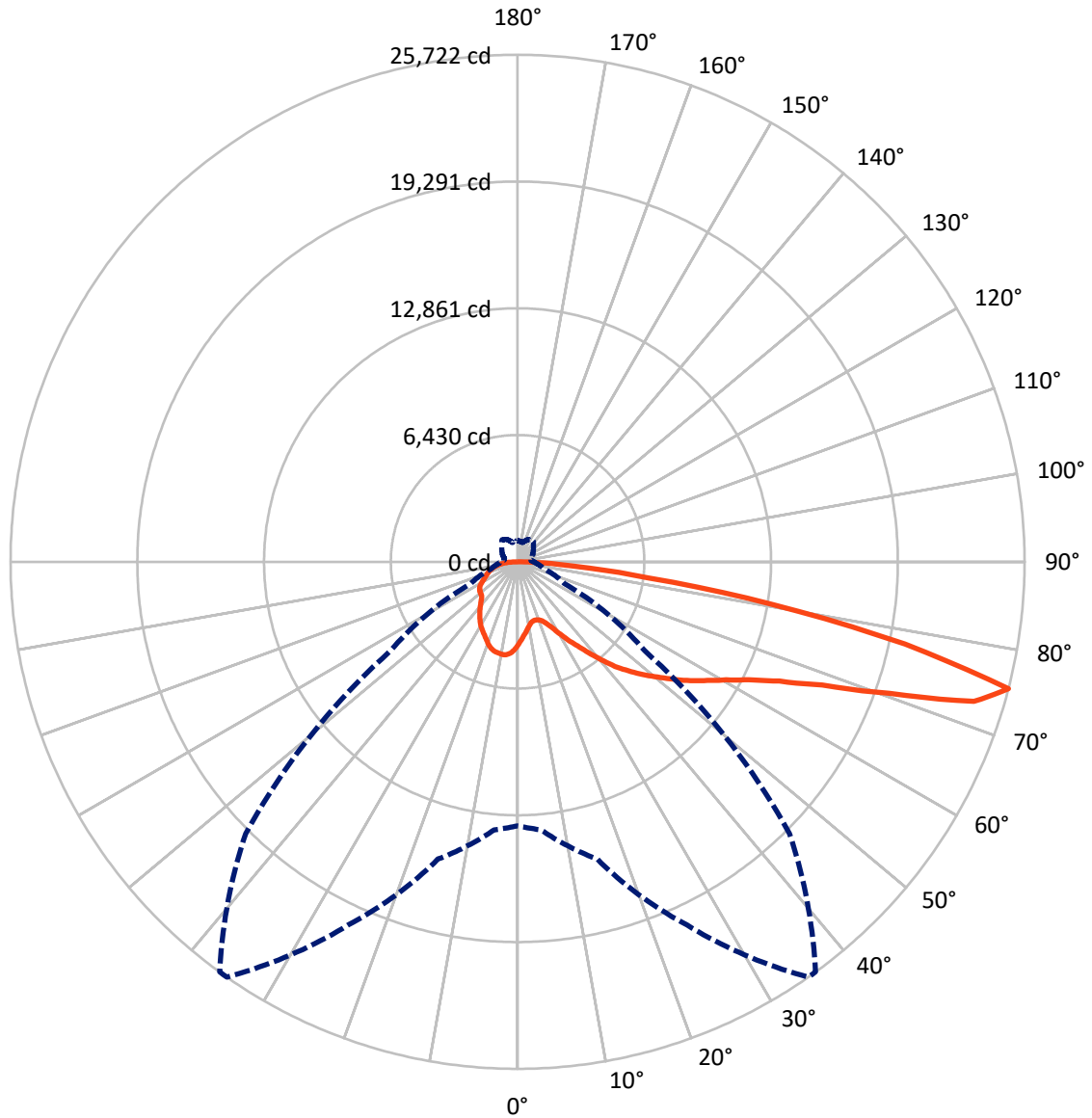
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	7510.0	0.0	7510.0
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	24048.0	0.0	24048.0
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	31558.0	0.0	31558.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	398.2	1.3
10°-20°	1148.5	3.6
20°-30°	1928.6	6.1
30°-40°	2997.3	9.5
40°-50°	4448.7	14.1
50°-60°	6141.8	19.5
60°-70°	7451.4	23.6
70°-80°	6158.0	19.5
80°-90°	885.7	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°	31558.0	100.0
0°-180°	31558.0	100.0

**Coefficient of Utilization**

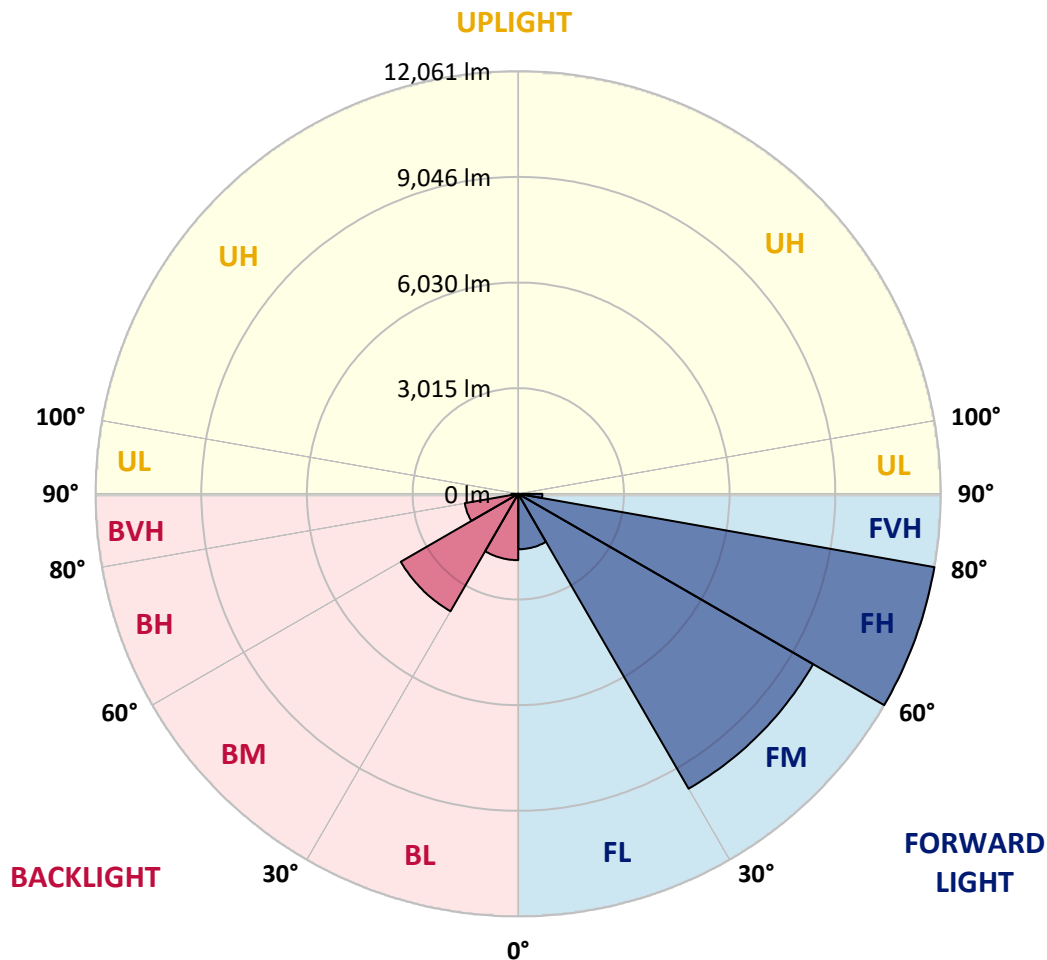


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1582.6	5.0			
FM (30°-60°)	9718.2	30.8			
FH (60°-80°)	12061.0	38.2			G5
FVH (80°-90°)	686.3	2.2			G4/750
BL (0°-30°)	1892.6	6.0	B3/2500		
BM (30°-60°)	3869.6	12.3	B3/5000		
BH (60°-80°)	1548.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	199.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3
2.5°	3877.8	3901.6	3911.9	3906.8	3932.4	3928.9	3964.8	4009.1	4070.5	4130.3
5°	3579.2	3604.8	3627.0	3647.5	3696.9	3712.3	3768.6	3853.9	3966.5	4080.8
7.5°	3301.1	3323.3	3357.4	3395.0	3478.6	3493.9	3587.7	3720.8	3877.8	4045.0
10°	3074.2	3096.4	3132.2	3174.9	3279.0	3297.7	3417.1	3594.6	3799.3	4010.8
12.5°	2977.0	2983.8	3004.3	3046.9	3137.4	3149.3	3280.7	3483.7	3722.5	3985.2
15°	2971.9	2985.5	2987.2	3009.4	3084.5	3089.6	3210.7	3412.0	3674.7	3980.1
17.5°	3023.1	3033.3	3017.9	3031.6	3094.7	3103.2	3198.8	3377.9	3659.4	4002.3
20°	3159.5	3168.1	3122.0	3103.2	3149.3	3156.1	3250.0	3400.1	3674.7	4048.4
22.5°	3449.6	3454.7	3342.1	3265.3	3268.7	3272.1	3354.0	3490.5	3734.5	4132.0
25°	3901.6	3898.2	3719.1	3570.7	3485.4	3466.6	3521.2	3637.2	3835.1	4242.8
27.5°	4430.5	4404.9	4225.8	4004.0	3818.1	3790.8	3778.8	3828.3	3978.4	4389.6
30°	5027.6	5003.7	4811.0	4520.9	4263.3	4219.0	4106.4	4080.8	4191.7	4589.2
32.5°	5682.7	5667.4	5437.1	5085.6	4741.0	4689.8	4500.5	4432.2	4519.2	4891.1
35°	6232.1	6218.4	6027.3	5665.7	5244.3	5181.2	4988.4	4911.6	4956.0	5278.4
37.5°	6728.5	6721.7	6557.9	6273.0	5838.0	5761.2	5544.5	5518.9	5510.4	5788.5
40°	7189.1	7172.1	7001.5	6851.3	6528.9	6459.0	6267.9	6245.7	6180.9	6416.3
42.5°	7699.2	7654.9	7407.5	7337.6	7250.5	7192.5	7078.2	7081.7	6938.3	7124.3
45°	8115.5	8089.9	7835.7	7794.8	7888.6	7864.7	7963.7	7989.2	7711.2	7866.4
47.5°	8562.5	8538.6	8323.6	8294.6	8548.8	8555.6	8905.4	8913.9	8465.2	8637.5
50°	9113.5	9079.4	8866.1	8902.0	9186.9	9212.5	9852.2	9794.2	9159.6	9420.6
52.5°	9476.9	9497.4	9451.3	9509.3	9898.3	9922.2	10783.7	10635.3	9847.1	10193.4
55°	9744.7	9785.7	9929.0	10062.1	10648.9	10672.8	11662.3	11435.4	10416.9	10909.9
57.5°	10089.3	10031.3	10299.2	10558.5	11362.0	11425.2	12517.0	12206.5	10921.9	11527.5
60°	10584.1	10543.1	10751.3	11135.1	12160.4	12261.1	13421.2	12900.9	11292.1	12017.1
62.5°	11587.2	11484.9	11517.3	11856.8	13167.0	13300.1	14441.4	13506.5	11476.3	12208.2
65°	13086.8	12911.1	12747.3	12982.7	14584.7	14716.1	15592.9	13982.5	11408.1	11838.0
67.5°	14975.4	14801.4	14600.0	14821.8	16672.8	16776.9	17014.0	14250.3	10870.7	10411.8
70°	16533.0	16468.1	16708.7	17621.4	20008.1	20011.5	18836.1	14028.5	9398.4	7381.9
72.5°	16326.5	16287.3	17554.9	20376.6	24211.7	24121.3	20560.8	12349.8	6331.0	3330.1
75°	13393.9	13648.1	15611.7	20327.1	25721.5	25709.6	19504.8	7851.1	2618.7	1380.2
77.5°	7182.3	7584.9	10135.4	15007.8	20079.7	20381.7	13712.9	2746.7	1124.3	883.7
80°	2342.4	2693.8	4039.8	7641.2	13047.6	12991.3	5877.2	1078.2	769.4	626.1
82.5°	994.6	1035.5	1805.0	3608.2	6696.1	6592.0	1871.5	619.3	540.8	428.2
85°	389.0	435.0	796.7	1668.5	2900.2	2837.1	675.6	307.1	346.3	279.8
87.5°	128.0	155.2	284.9	571.5	902.5	870.1	165.5	105.8	150.1	128.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4205.3	0°	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3	4205.3
4217.3	2.5°	4241.1	4268.4	4300.9	4348.6	4389.6	4423.7	4459.5	4481.7	4490.2	4515.8
4224.1	5°	4271.9	4331.6	4411.7	4490.2	4567.0	4613.1	4654.0	4674.5	4693.2	4706.9
4242.8	7.5°	4323.0	4399.8	4526.0	4628.4	4693.2	4730.8	4758.1	4751.2	4758.1	4761.5
4263.3	10°	4367.4	4474.9	4625.0	4722.2	4771.7	4773.4	4766.6	4742.7	4730.8	4732.5
4294.0	12.5°	4420.3	4539.7	4701.8	4783.7	4797.3	4759.8	4730.8	4689.8	4674.5	4667.6
4340.1	15°	4491.9	4628.4	4785.4	4816.1	4781.9	4734.2	4684.7	4618.2	4584.1	4556.8
4418.6	17.5°	4578.9	4729.1	4850.2	4828.0	4754.7	4676.2	4596.0	4495.3	4425.4	4396.4
4526.0	20°	4700.1	4834.8	4899.7	4802.4	4691.5	4572.1	4435.6	4312.8	4248.0	4219.0
4662.5	22.5°	4846.8	4976.4	4947.4	4758.1	4601.1	4410.0	4239.4	4149.0	4116.6	4096.1
4838.2	25°	5022.5	5133.4	4981.6	4693.2	4452.7	4195.1	4063.7	4034.7	4019.4	4004.0
5053.2	27.5°	5251.1	5310.8	5007.1	4597.7	4220.7	3966.5	3918.7	3923.8	3918.7	3893.1
5351.8	30°	5553.1	5541.1	5031.0	4442.5	3954.5	3760.0	3763.5	3785.6	3789.1	3772.0
5768.0	32.5°	5950.6	5829.4	5043.0	4241.1	3700.3	3579.2	3582.6	3606.5	3623.6	3594.6
6312.2	35°	6431.7	6165.5	5024.2	3988.7	3504.1	3406.9	3381.3	3388.1	3393.3	3366.0
6972.5	37.5°	6992.9	6542.6	4940.6	3708.9	3342.1	3238.0	3183.4	3137.4	3110.1	3084.5
7719.7	40°	7608.8	6953.7	4787.1	3435.9	3161.2	3058.9	2977.0	2890.0	2797.9	2763.7
8511.3	42.5°	8253.7	7376.8	4601.1	3174.9	2953.1	2869.5	2782.5	2656.3	2518.1	2448.1
9333.6	45°	8922.4	7810.1	4418.6	2917.3	2739.9	2704.0	2603.4	2451.5	2301.4	2212.7
10157.6	47.5°	9577.5	8219.6	4150.7	2658.0	2540.3	2579.5	2501.0	2361.1	2193.9	2054.0
10974.8	50°	10203.7	8603.4	3712.3	2395.2	2378.2	2542.0	2466.9	2265.6	2074.5	1895.4
11776.6	52.5°	10824.6	8913.9	3151.0	2156.4	2291.2	2531.7	2422.5	2200.8	1967.0	1779.4
12530.7	55°	11351.8	9074.3	2610.2	1951.7	2164.9	2444.7	2369.6	2124.0	1815.2	1615.6
13047.6	57.5°	11652.1	8944.6	2159.8	1750.4	1990.9	2301.4	2279.2	1960.2	1634.4	1480.8
13148.2	60°	11522.4	8419.2	1791.3	1574.6	1825.4	2146.2	2122.3	1798.1	1496.2	1351.2
12609.1	62.5°	10807.6	7417.7	1499.6	1421.1	1675.3	1987.5	1965.3	1673.6	1390.4	1250.5
11177.8	65°	9367.7	6034.2	1272.7	1293.2	1523.5	1796.4	1828.8	1569.5	1306.8	1170.3
8647.8	67.5°	7144.8	4370.8	1095.3	1182.3	1375.0	1608.8	1702.6	1494.5	1236.9	1107.2
5003.7	70°	4072.2	2482.2	945.1	1074.8	1243.7	1434.8	1605.4	1434.8	1161.8	1054.3
1874.9	72.5°	1543.9	1139.6	817.2	967.3	1117.4	1288.0	1497.9	1340.9	1074.8	994.6
969.0	75°	824.0	694.3	687.5	841.1	972.4	1144.7	1363.1	1248.8	1010.0	1050.9
670.5	77.5°	561.3	491.3	574.9	719.9	813.8	986.1	1219.8	1108.9	875.2	871.8
464.0	80°	389.0	348.0	467.4	580.0	629.5	829.1	1064.6	952.0	713.1	665.3
286.6	82.5°	233.7	226.9	349.7	433.3	445.3	639.8	882.0	798.4	583.5	508.4
170.6	85°	128.0	134.8	223.5	254.2	259.3	447.0	690.9	617.6	448.7	377.0
61.4	87.5°	35.8	46.1	81.9	100.7	124.5	232.0	411.1	366.8	225.2	157.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O



180°
4205.3
4514.1
4710.3
4766.6
4735.9
4664.2
4565.3
4398.1
4215.6
4099.5
4004.0
3898.2
3780.5
3608.2
3384.7
3101.5
2779.1
2456.7
2205.9
2038.7
1880.0
1758.9
1598.5
1460.3
1330.7
1228.3
1148.1
1086.7
1040.7
981.0
1085.0
803.5
636.3
511.8
380.4
157.0
0.0

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