

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: P853263

Luminaire Tested: **GLAN-SB9D-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853263
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-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 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: 58995 lumens
Efficiency: N/A
Efficacy: 89.7 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

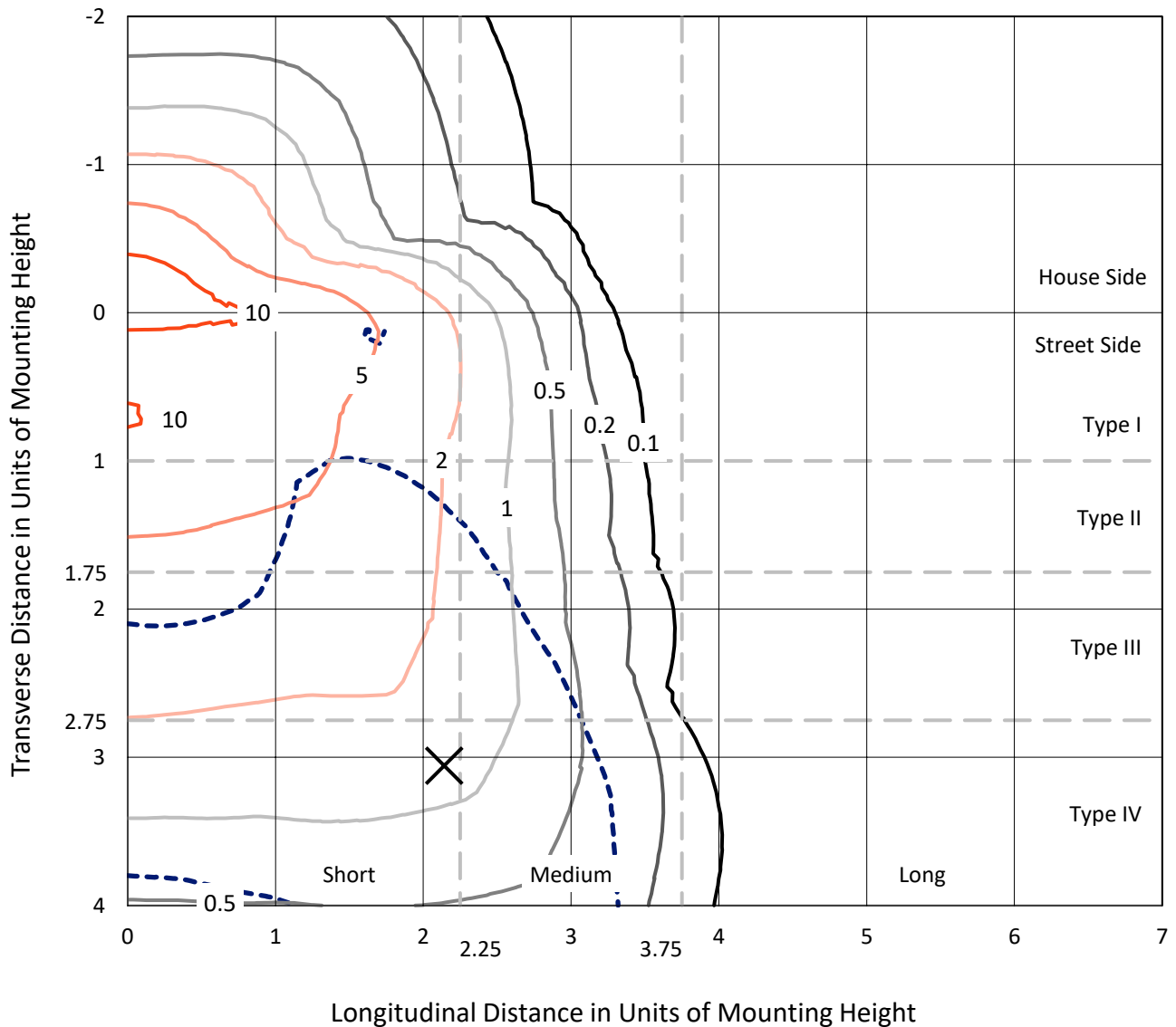
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

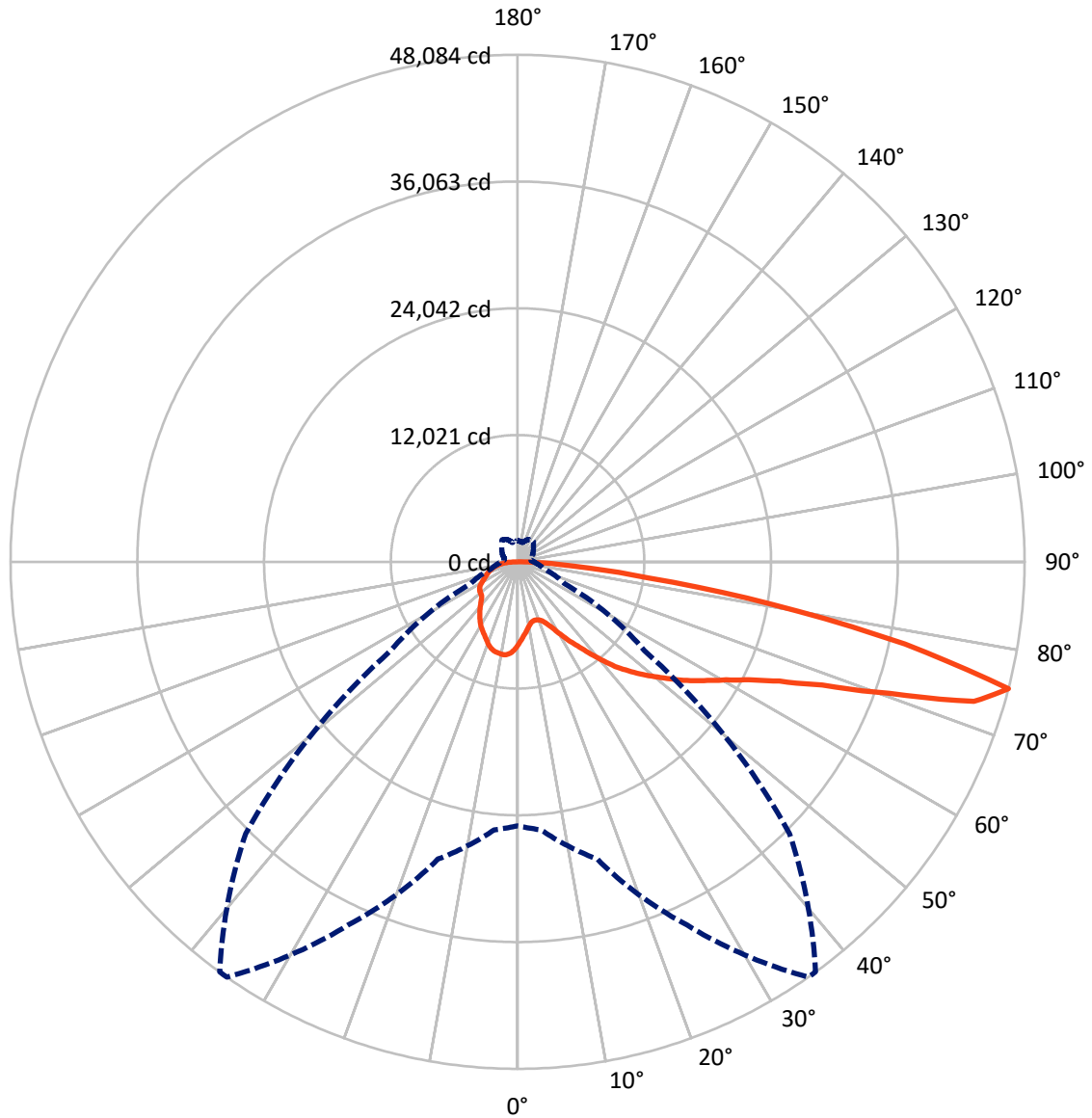
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.9 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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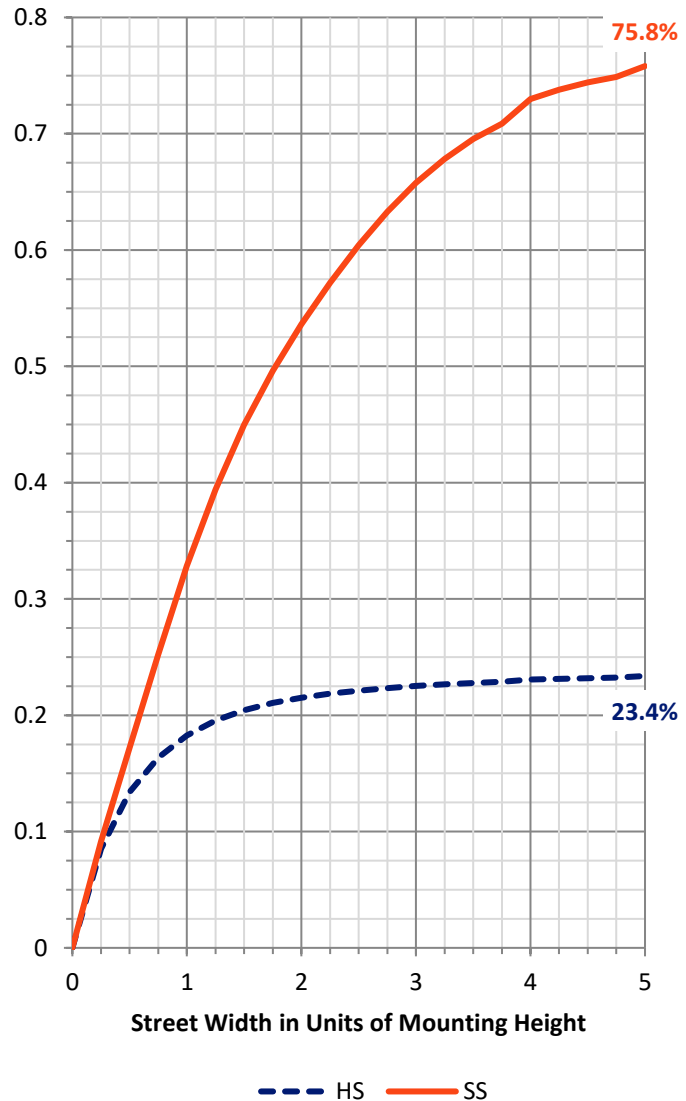
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14039.3	0.0	14039.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	44955.7	0.0	44955.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	58995.0	0.0	58995.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.3	1.3
10°-20°	2147.0	3.6
20°-30°	3605.3	6.1
30°-40°	5603.1	9.5
40°-50°	8316.5	14.1
50°-60°	11481.5	19.5
60°-70°	13929.7	23.6
70°-80°	11511.8	19.5
80°-90°	1655.8	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°	58995.0	100.0
0°-180°	58995.0	100.0

Coefficient of Utilization

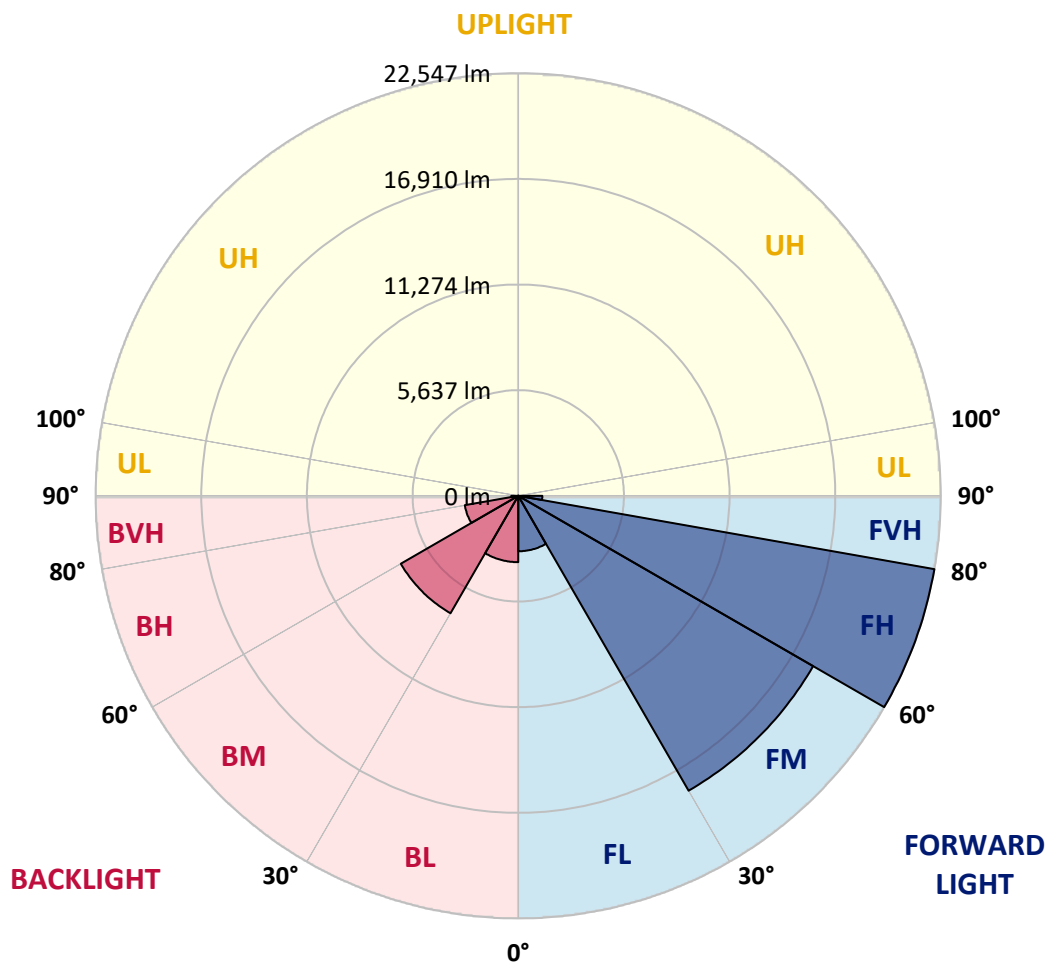


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2958.5	5.0			
FM (30°-60°)	18167.3	30.8			
FH (60°-80°)	22547.0	38.2			G5
FVH (80°-90°)	1282.9	2.2			G5
BL (0°-30°)	3538.1	6.0	B4/5000		
BM (30°-60°)	7233.9	12.3	B4/8500		
BH (60°-80°)	2894.5	4.9	B4/5000		G4/5000
BVH (80°-90°)	372.8	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°	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5
2.5°	7249.1	7293.8	7312.9	7303.4	7351.2	7344.8	7411.8	7494.7	7609.5	7721.2
5°	6691.0	6738.9	6780.3	6818.6	6911.1	6939.8	7045.0	7204.5	7415.0	7628.7
7.5°	6171.2	6212.6	6276.4	6346.6	6502.9	6531.6	6707.0	6955.7	7249.1	7561.7
10°	5747.0	5788.5	5855.4	5935.2	6129.7	6164.8	6388.1	6719.7	7102.4	7497.9
12.5°	5565.2	5578.0	5616.3	5696.0	5865.0	5887.3	6132.9	6512.4	6958.9	7450.1
15°	5555.7	5581.2	5584.4	5625.8	5766.2	5775.7	6002.2	6378.5	6869.6	7440.5
17.5°	5651.3	5670.5	5641.8	5667.3	5785.3	5801.2	5979.8	6314.7	6840.9	7482.0
20°	5906.5	5922.4	5836.3	5801.2	5887.3	5900.1	6075.5	6356.2	6869.6	7568.1
22.5°	6448.6	6458.2	6247.7	6104.2	6110.6	6117.0	6270.1	6525.2	6981.3	7724.3
25°	7293.8	7287.4	6952.5	6675.1	6515.6	6480.5	6582.6	6799.5	7169.4	7931.6
27.5°	8282.5	8234.6	7899.8	7485.2	7137.5	7086.5	7064.2	7156.7	7437.3	8205.9
30°	9398.7	9354.0	8993.7	8451.5	7969.9	7887.0	7676.5	7628.7	7836.0	8579.1
32.5°	10623.4	10594.7	10164.1	9507.1	8862.9	8767.2	8413.2	8285.7	8448.3	9143.6
35°	11650.3	11624.8	11267.6	10591.5	9803.7	9685.7	9325.3	9181.8	9264.7	9867.5
37.5°	12578.4	12565.6	12259.4	11726.8	10913.6	10770.1	10365.0	10317.2	10301.3	10821.1
40°	13439.5	13407.6	13088.7	12808.0	12205.2	12074.5	11717.3	11675.8	11554.6	11994.7
42.5°	14393.1	14310.1	13847.7	13716.9	13554.3	13445.8	13232.2	13238.5	12970.6	13318.3
45°	15171.2	15123.4	14648.2	14571.6	14747.1	14702.4	14887.4	14935.2	14415.4	14705.6
47.5°	16006.8	15962.2	15560.3	15506.1	15981.3	15994.1	16647.8	16663.8	15825.0	16147.1
50°	17036.9	16973.1	16574.5	16641.5	17174.1	17221.9	18417.9	18309.4	17123.0	17611.0
52.5°	17716.2	17754.5	17668.4	17776.8	18504.0	18548.6	20159.2	19881.7	18408.3	19055.7
55°	18217.0	18293.5	18561.4	18810.2	19907.3	19951.9	21801.7	21377.5	19473.5	20395.2
57.5°	18861.2	18752.7	19253.5	19738.2	21240.4	21358.4	23399.5	22819.0	20417.5	21549.7
60°	19786.1	19709.5	20098.6	20816.2	22732.9	22921.1	25089.8	24117.1	21109.6	22465.0
62.5°	21661.3	21470.0	21530.6	22165.2	24614.6	24863.3	26996.9	25249.2	21454.0	22822.2
65°	24464.7	24136.2	23830.0	24270.1	27264.8	27510.4	29149.7	26139.0	21326.5	22130.2
67.5°	27995.2	27669.9	27293.5	27708.1	31168.5	31363.0	31806.3	26639.7	20321.9	19463.9
70°	30906.9	30785.8	31235.4	32941.7	37403.4	37409.8	35212.4	26225.1	17569.5	13799.9
72.5°	30521.1	30447.7	32817.3	38092.3	45261.7	45092.7	38436.8	23086.9	11835.3	6225.4
75°	25038.7	25513.9	29184.8	37999.8	48084.2	48061.9	36462.6	14676.9	4895.5	2580.1
77.5°	13426.7	14179.4	18947.3	28055.8	37537.4	38101.9	25635.1	5134.7	2101.7	1652.0
80°	4378.8	5035.8	7552.1	14284.6	24391.3	24286.1	10986.9	2015.6	1438.3	1170.5
82.5°	1859.3	1935.9	3374.2	6745.2	12517.8	12323.2	3498.6	1157.7	1011.0	800.5
85°	727.1	813.3	1489.4	3119.1	5421.7	5303.7	1262.9	574.1	647.4	523.0
87.5°	239.2	290.2	532.6	1068.4	1687.1	1626.5	309.4	197.7	280.7	239.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P853263
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
7861.5	0°	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5	7861.5
7883.8	2.5°	7928.5	7979.5	8040.1	8129.4	8205.9	8269.7	8336.7	8378.1	8394.1	8441.9
7896.6	5°	7985.9	8097.5	8247.4	8394.1	8537.6	8623.7	8700.3	8738.5	8773.6	8799.1
7931.6	7.5°	8081.5	8225.1	8461.1	8652.4	8773.6	8843.8	8894.8	8882.0	8894.8	8901.2
7969.9	10°	8164.5	8365.4	8646.0	8827.8	8920.3	8923.5	8910.7	8866.1	8843.8	8847.0
8027.3	12.5°	8263.3	8486.6	8789.6	8942.6	8968.1	8898.0	8843.8	8767.2	8738.5	8725.8
8113.4	15°	8397.3	8652.4	8945.8	9003.2	8939.4	8850.1	8757.7	8633.3	8569.5	8518.5
8260.1	17.5°	8559.9	8840.6	9067.0	9025.6	8888.4	8741.7	8591.8	8403.7	8272.9	8218.7
8461.1	20°	8786.4	9038.3	9159.5	8977.7	8770.4	8547.2	8292.0	8062.4	7941.2	7887.0
8716.2	22.5°	9060.6	9303.0	9248.8	8894.8	8601.4	8244.2	7925.3	7756.2	7695.6	7657.4
9044.7	25°	9389.1	9596.4	9312.6	8773.6	8323.9	7842.3	7596.8	7542.6	7513.9	7485.2
9446.5	27.5°	9816.5	9928.1	9360.4	8595.0	7890.2	7415.0	7325.7	7335.3	7325.7	7277.9
10004.7	30°	10381.0	10358.7	9405.1	8304.8	7392.7	7029.1	7035.5	7076.9	7083.3	7051.4
10782.8	32.5°	11124.1	10897.6	9427.4	7928.5	6917.5	6691.0	6697.4	6742.1	6774.0	6719.7
11800.2	35°	12023.4	11525.9	9392.3	7456.4	6550.7	6368.9	6321.1	6333.8	6343.4	6292.4
13034.4	37.5°	13072.7	12230.7	9236.0	6933.4	6247.7	6053.2	5951.1	5865.0	5814.0	5766.2
14431.3	40°	14224.0	12999.4	8949.0	6423.1	5909.7	5718.3	5565.2	5402.6	5230.4	5166.6
15911.1	42.5°	15429.6	13790.3	8601.4	5935.2	5520.6	5364.3	5201.7	4965.7	4707.3	4576.6
17448.3	45°	16679.7	14600.4	8260.1	5453.6	5121.9	5054.9	4866.8	4582.9	4302.3	4136.4
18988.8	47.5°	17904.4	15365.8	7759.4	4968.8	4748.8	4822.1	4675.4	4413.9	4101.4	3839.8
20516.4	50°	19074.9	16083.4	6939.8	4477.7	4445.8	4752.0	4611.6	4235.3	3878.1	3543.2
22015.3	52.5°	20235.7	16663.8	5890.5	4031.2	4283.2	4732.8	4528.7	4114.1	3677.2	3326.4
23425.0	55°	21221.2	16963.6	4879.5	3648.5	4047.1	4570.2	4429.9	3970.6	3393.4	3020.2
24391.3	57.5°	21782.5	16721.2	4037.6	3272.2	3721.8	4302.3	4260.8	3664.4	3055.3	2768.3
24579.5	60°	21540.1	15738.9	3348.7	2943.7	3412.5	4012.1	3967.4	3361.5	2797.0	2525.9
23571.7	62.5°	20203.9	13866.8	2803.3	2656.6	3131.8	3715.5	3674.0	3128.6	2599.2	2337.7
20895.9	65°	17512.1	11280.4	2379.2	2417.4	2848.0	3358.3	3418.9	2934.1	2443.0	2187.8
16166.3	67.5°	13356.5	8170.8	2047.5	2210.1	2570.5	3007.5	3182.9	2793.8	2312.2	2069.8
9354.0	70°	7612.7	4640.3	1766.8	2009.2	2325.0	2682.2	3001.1	2682.2	2171.9	1971.0
3505.0	72.5°	2886.3	2130.4	1527.6	1808.3	2089.0	2407.9	2800.2	2506.7	2009.2	1859.3
1811.5	75°	1540.4	1298.0	1285.3	1572.3	1817.9	2140.0	2548.2	2334.5	1888.0	1964.6
1253.4	77.5°	1049.3	918.5	1074.8	1345.9	1521.3	1843.4	2280.3	2073.0	1636.1	1629.7
867.5	80°	727.1	650.6	873.9	1084.3	1176.8	1550.0	1990.1	1779.6	1333.1	1243.8
535.8	82.5°	436.9	424.2	653.8	810.1	832.4	1196.0	1648.8	1492.6	1090.7	950.4
318.9	85°	239.2	252.0	417.8	475.2	484.8	835.6	1291.6	1154.5	838.8	704.8
114.8	87.5°	67.0	86.1	153.1	188.2	232.8	433.7	768.6	685.7	421.0	293.4
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

<u>180°</u>
7861.5
8438.7
8805.5
8910.7
8853.3
8719.4
8534.4
8221.9
7880.6
7663.7
7485.2
7287.4
7067.4
6745.2
6327.5
5798.0
5195.3
4592.5
4123.7
3811.1
3514.5
3288.1
2988.3
2730.0
2487.6
2296.3
2146.4
2031.5
1945.4
1833.8
2028.4
1502.1
1189.6
956.8
711.2
293.4
0.0

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