

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: P852883

Luminaire Tested: **GLAN-SB7A-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852883
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-SB7A-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26106 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

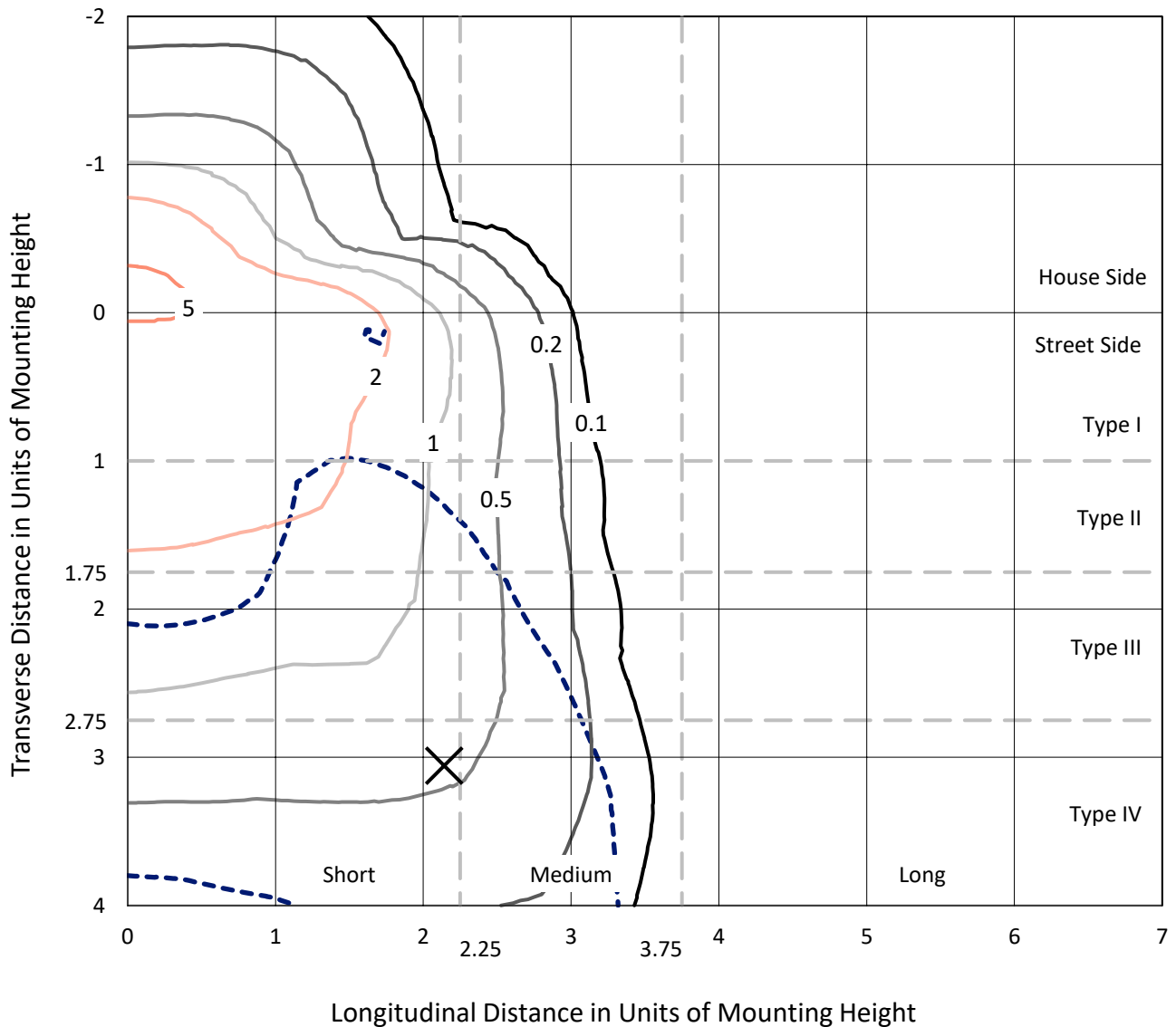
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

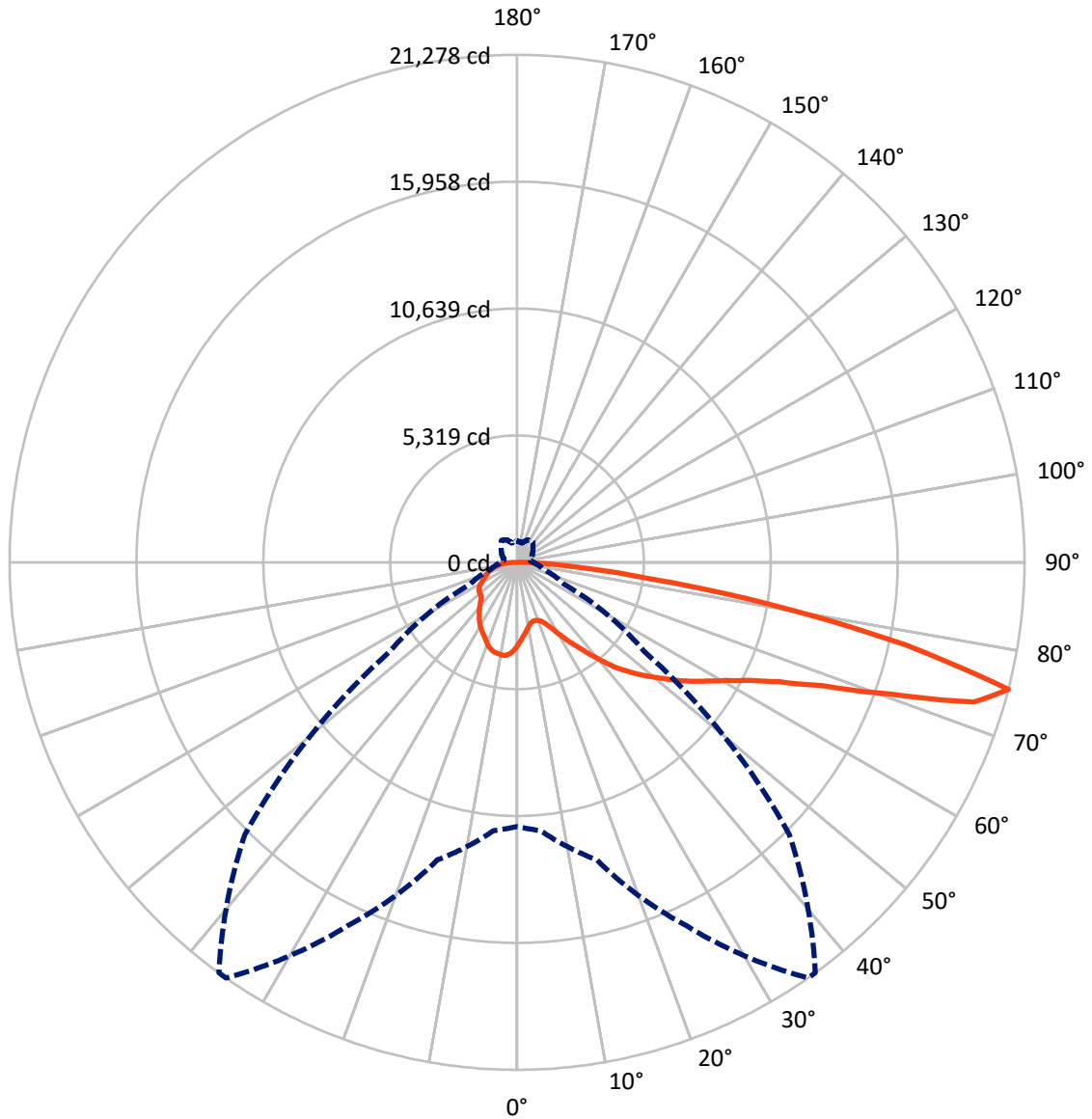
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	6212.6	0.0	6212.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	19893.4	0.0	19893.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	26106.0	0.0	26106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	329.4	1.3
10°-20°	950.1	3.6
20°-30°	1595.4	6.1
30°-40°	2479.5	9.5
40°-50°	3680.2	14.1
50°-60°	5080.7	19.5
60°-70°	6164.0	23.6
70°-80°	5094.1	19.5
80°-90°	732.7	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°	26106.0	100.0
0°-180°	26106.0	100.0

Coefficient of Utilization

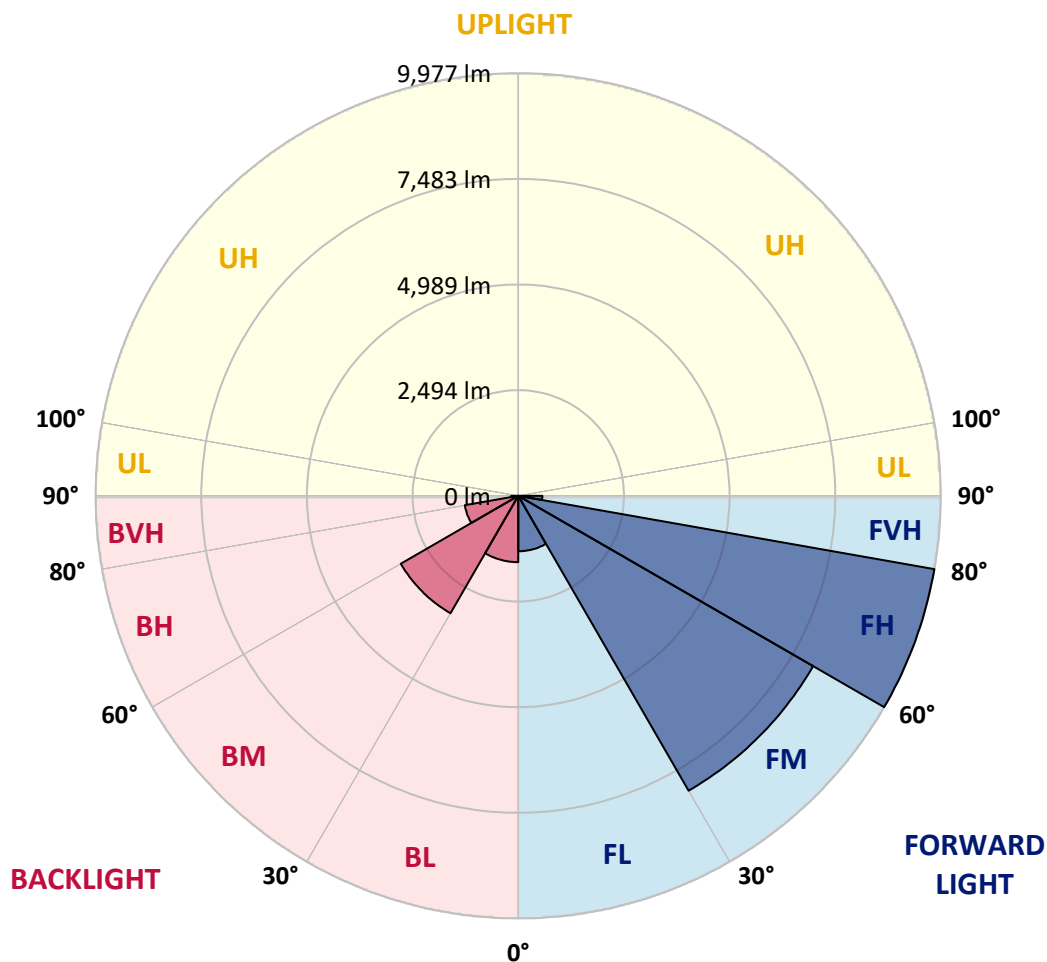


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1309.2	5.0			
FM (30°-60°)	8039.2	30.8			
FH (60°-80°)	9977.3	38.2			G4/12000
FVH (80°-90°)	567.7	2.2			G4/750
BL (0°-30°)	1565.7	6.0	B3/2500		
BM (30°-60°)	3201.1	12.3	B3/5000		
BH (60°-80°)	1280.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	165.0	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8
2.5°	3207.8	3227.6	3236.1	3231.8	3253.0	3250.2	3279.8	3316.5	3367.3	3416.7
5°	2960.9	2982.0	3000.4	3017.3	3058.2	3070.9	3117.5	3188.1	3281.2	3375.8
7.5°	2730.8	2749.2	2777.4	2808.4	2877.6	2890.3	2967.9	3078.0	3207.8	3346.1
10°	2543.1	2561.5	2591.1	2626.4	2712.5	2728.0	2826.8	2973.6	3142.9	3317.9
12.5°	2462.7	2468.3	2485.3	2520.5	2595.3	2605.2	2713.9	2881.8	3079.4	3296.7
15°	2458.4	2469.7	2471.1	2489.5	2551.6	2555.8	2656.0	2822.6	3039.9	3292.5
17.5°	2500.8	2509.3	2496.6	2507.8	2560.1	2567.1	2646.1	2794.3	3027.2	3310.9
20°	2613.7	2620.7	2582.6	2567.1	2605.2	2610.9	2688.5	2812.7	3039.9	3349.0
22.5°	2853.6	2857.8	2764.7	2701.2	2704.0	2706.8	2774.6	2887.5	3089.3	3418.1
25°	3227.6	3224.8	3076.6	2953.8	2883.2	2867.7	2912.9	3008.8	3172.6	3509.8
27.5°	3665.1	3643.9	3495.7	3312.3	3158.4	3135.9	3126.0	3166.9	3291.1	3631.2
30°	4159.0	4139.3	3979.8	3739.9	3526.8	3490.1	3396.9	3375.8	3467.5	3796.3
32.5°	4701.0	4688.3	4497.7	4207.0	3921.9	3879.6	3723.0	3666.5	3738.5	4046.1
35°	5155.4	5144.1	4986.0	4686.9	4338.3	4286.1	4126.6	4063.1	4099.8	4366.5
37.5°	5566.1	5560.4	5425.0	5189.3	4829.4	4765.9	4586.7	4565.5	4558.4	4788.5
40°	5947.1	5933.0	5791.9	5667.7	5401.0	5343.1	5185.0	5166.7	5113.1	5307.8
42.5°	6369.1	6332.4	6127.8	6069.9	5997.9	5949.9	5855.4	5858.2	5739.7	5893.5
45°	6713.5	6692.3	6482.0	6448.1	6525.8	6506.0	6587.8	6609.0	6379.0	6507.4
47.5°	7083.2	7063.4	6885.6	6861.6	7071.9	7077.6	7366.9	7373.9	7002.8	7145.3
50°	7539.0	7510.8	7334.4	7364.1	7599.7	7620.9	8150.1	8102.1	7577.2	7793.1
52.5°	7839.7	7856.6	7818.5	7866.5	8188.2	8208.0	8920.7	8797.9	8145.9	8432.4
55°	8061.2	8095.1	8213.6	8323.7	8809.2	8829.0	9647.5	9459.8	8617.3	9025.1
57.5°	8346.3	8298.3	8519.9	8734.4	9399.1	9451.3	10354.5	10097.7	9035.0	9536.0
60°	8755.6	8721.7	8893.9	9211.4	10059.6	10142.9	11102.5	10672.1	9341.3	9941.0
62.5°	9585.4	9500.7	9527.5	9808.4	10892.2	11002.3	11946.5	11173.1	9493.7	10099.1
65°	10825.9	10680.6	10545.1	10739.8	12065.0	12173.7	12899.1	11566.8	9437.2	9792.9
67.5°	12388.2	12244.3	12077.7	12261.2	13792.4	13878.5	14074.7	11788.4	8992.7	8613.0
70°	13676.7	13623.1	13822.1	14577.1	16551.5	16554.3	15581.9	11604.9	7774.7	6106.6
72.5°	13505.9	13473.5	14522.1	16856.3	20028.9	19954.1	17008.7	10216.2	5237.3	2754.8
75°	11079.9	11290.2	12914.6	16815.4	21277.8	21268.0	16135.1	6494.7	2166.3	1141.7
77.5°	5941.5	6274.5	8384.4	12415.0	16610.7	16860.5	11343.9	2272.2	930.0	731.0
80°	1937.7	2228.4	3341.9	6321.1	10793.5	10746.9	4861.9	891.9	636.5	517.9
82.5°	822.8	856.6	1493.1	2984.9	5539.3	5453.2	1548.2	512.3	447.4	354.2
85°	321.8	359.9	659.1	1380.2	2399.2	2347.0	558.9	254.0	286.5	231.4
87.5°	105.8	128.4	235.7	472.8	746.6	719.8	136.9	87.5	124.2	105.8
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°
3478.8	0°	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8	3478.8
3488.7	2.5°	3508.4	3531.0	3557.8	3597.3	3631.2	3659.4	3689.1	3707.4	3714.5	3735.7
3494.3	5°	3533.8	3583.2	3649.6	3714.5	3778.0	3816.1	3850.0	3866.9	3882.4	3893.7
3509.8	7.5°	3576.2	3639.7	3744.1	3828.8	3882.4	3913.5	3936.1	3930.4	3936.1	3938.9
3526.8	10°	3612.9	3701.8	3826.0	3906.4	3947.3	3948.8	3943.1	3923.4	3913.5	3914.9
3552.2	12.5°	3656.6	3755.4	3889.5	3957.2	3968.5	3937.5	3913.5	3879.6	3866.9	3861.3
3590.3	15°	3715.9	3828.8	3958.6	3984.0	3955.8	3916.3	3875.4	3820.3	3792.1	3769.5
3655.2	17.5°	3787.9	3912.1	4012.3	3993.9	3933.2	3868.3	3802.0	3718.7	3660.9	3636.9
3744.1	20°	3888.1	3999.6	4053.2	3972.7	3881.0	3782.2	3669.3	3567.7	3514.1	3490.1
3857.0	22.5°	4009.4	4116.7	4092.7	3936.1	3806.2	3648.2	3507.0	3432.2	3405.4	3388.5
4002.4	25°	4154.8	4246.5	4120.9	3882.4	3683.4	3470.3	3361.7	3337.7	3325.0	3312.3
4180.2	27.5°	4343.9	4393.3	4142.1	3803.4	3491.5	3281.2	3241.7	3245.9	3241.7	3220.5
4427.2	30°	4593.7	4583.8	4161.9	3675.0	3271.3	3110.5	3113.3	3131.6	3134.4	3120.3
4771.5	32.5°	4922.5	4822.3	4171.7	3508.4	3061.1	2960.9	2963.7	2983.4	2997.6	2973.6
5221.7	35°	5320.5	5100.4	4156.2	3299.6	2898.8	2818.3	2797.2	2802.8	2807.0	2784.5
5767.9	37.5°	5784.8	5412.3	4087.1	3068.1	2764.7	2678.6	2633.4	2595.3	2572.8	2551.6
6386.0	40°	6294.3	5752.4	3960.0	2842.3	2615.1	2530.4	2462.7	2390.7	2314.5	2286.3
7040.9	42.5°	6827.8	6102.4	3806.2	2626.4	2442.9	2373.8	2301.8	2197.4	2083.0	2025.2
7721.1	45°	7381.0	6460.8	3655.2	2413.3	2266.5	2236.9	2153.6	2028.0	1903.8	1830.4
8402.8	47.5°	7922.9	6799.5	3433.6	2198.8	2101.4	2133.9	2068.9	1953.2	1814.9	1699.2
9078.8	50°	8440.9	7117.1	3070.9	1981.4	1967.3	2102.8	2040.7	1874.2	1716.1	1567.9
9742.1	52.5°	8954.6	7373.9	2606.6	1783.9	1895.3	2094.3	2004.0	1820.5	1627.2	1472.0
10365.8	55°	9390.6	7506.6	2159.3	1614.5	1790.9	2022.4	1960.3	1757.0	1501.6	1336.5
10793.5	57.5°	9639.0	7399.3	1786.7	1448.0	1647.0	1903.8	1885.5	1621.6	1352.0	1225.0
10876.7	60°	9531.8	6964.7	1481.8	1302.6	1510.1	1775.4	1755.6	1487.5	1237.7	1117.7
10430.8	62.5°	8940.4	6136.2	1240.5	1175.6	1385.9	1644.1	1625.8	1384.5	1150.2	1034.5
9246.7	65°	7749.3	4991.7	1052.8	1069.7	1260.3	1486.1	1512.9	1298.4	1081.0	968.1
7153.8	67.5°	5910.4	3615.7	906.0	978.0	1137.5	1330.8	1408.5	1236.3	1023.2	915.9
4139.3	70°	3368.7	2053.4	781.8	889.1	1028.8	1186.9	1328.0	1186.9	961.1	872.2
1551.0	72.5°	1277.2	942.7	676.0	800.2	924.4	1065.5	1239.1	1109.3	889.1	822.8
801.6	75°	681.6	574.4	568.7	695.8	804.4	947.0	1127.6	1033.1	835.5	869.3
554.6	77.5°	464.3	406.4	475.6	595.6	673.2	815.7	1009.1	917.3	724.0	721.2
383.9	80°	321.8	287.9	386.7	479.8	520.8	685.9	880.6	787.5	589.9	550.4
237.1	82.5°	193.3	187.7	289.3	358.5	368.3	529.2	729.6	660.5	482.7	420.6
141.1	85°	105.8	111.5	184.9	210.3	214.5	369.8	571.6	510.9	371.2	311.9
50.8	87.5°	29.6	38.1	67.7	83.3	103.0	191.9	340.1	303.4	186.3	129.8
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°
3478.8
3734.2
3896.5
3943.1
3917.7
3858.4
3776.6
3638.3
3487.3
3391.3
3312.3
3224.8
3127.4
2984.9
2800.0
2565.7
2299.0
2032.2
1824.8
1686.5
1555.2
1455.0
1322.4
1208.1
1100.8
1016.1
949.8
899.0
860.9
811.5
897.6
664.7
526.4
423.4
314.7
129.8
0.0

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