

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: P853121

Luminaire Tested: **GLAN-SB8D-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853121
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-SB8D-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 67338 lumens
Efficiency: N/A
Efficacy: 115.1 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

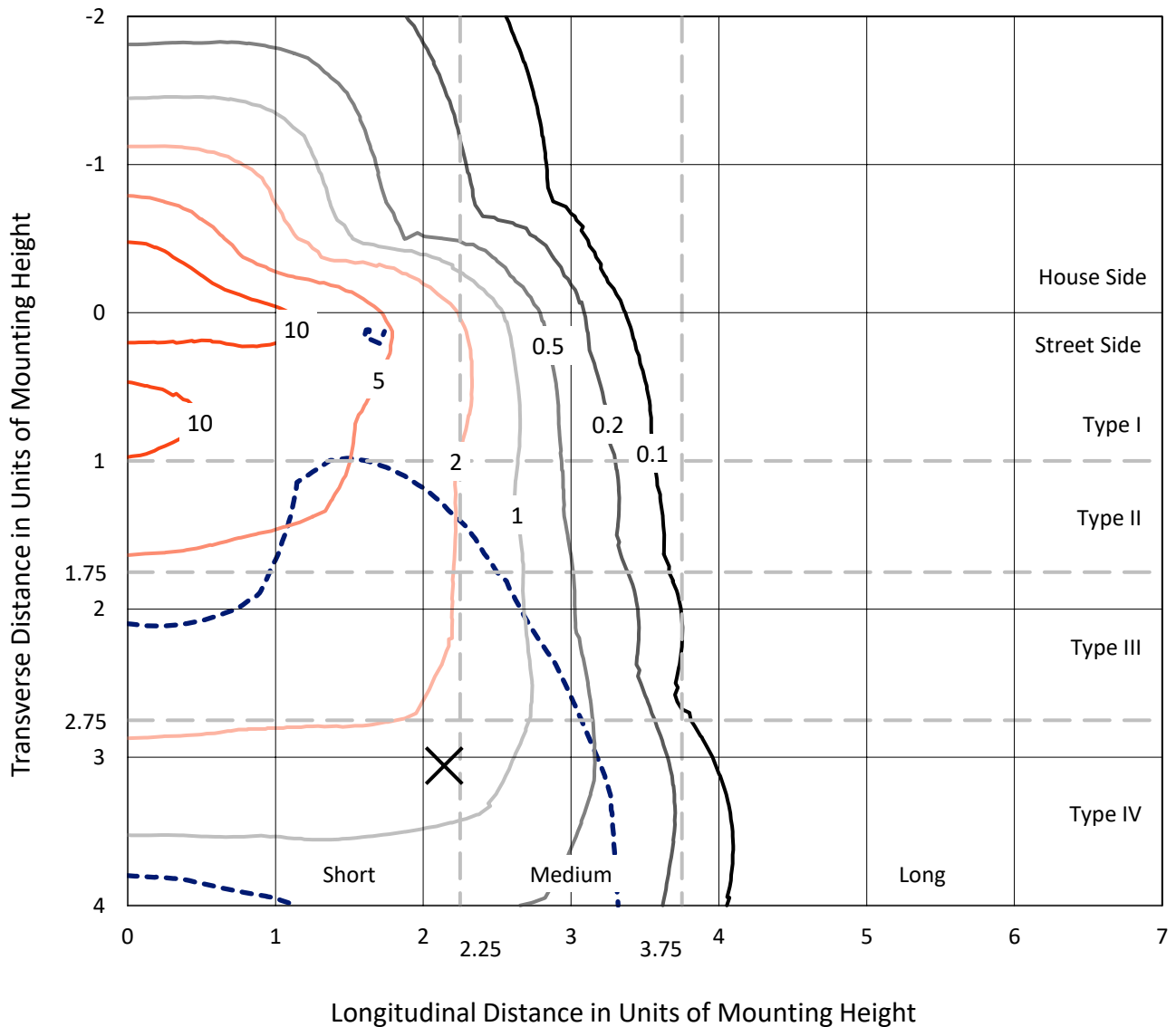
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

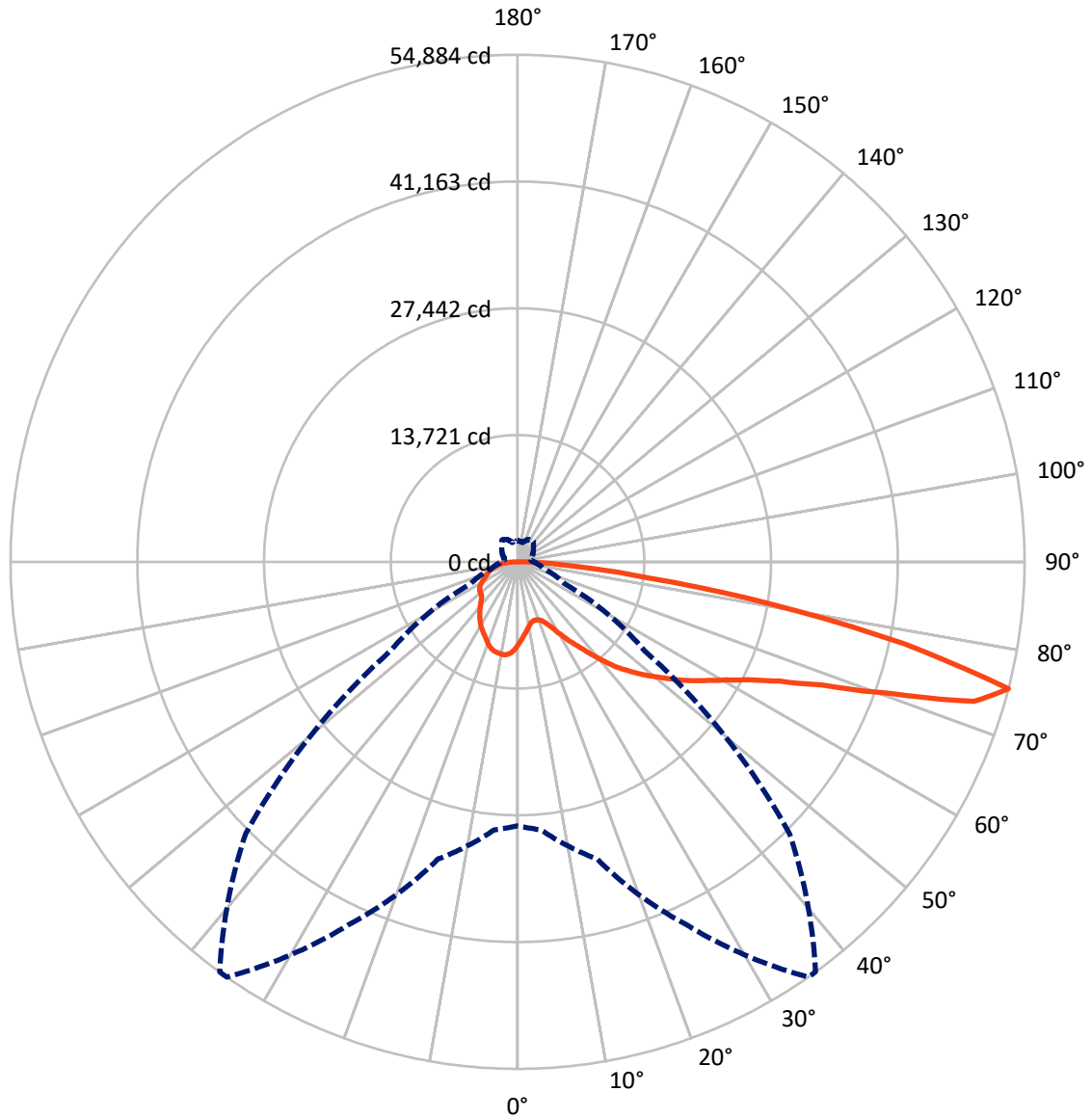
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.9 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	16024.8	0.0	16024.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	51313.2	0.0	51313.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	67338.0	0.0	67338.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	849.6	1.3
10°-20°	2450.6	3.6
20°-30°	4115.2	6.1
30°-40°	6395.5	9.5
40°-50°	9492.7	14.1
50°-60°	13105.2	19.5
60°-70°	15899.6	23.6
70°-80°	13139.8	19.5
80°-90°	1889.9	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°	67338.0	100.0
0°-180°	67338.0	100.0

Coefficient of Utilization

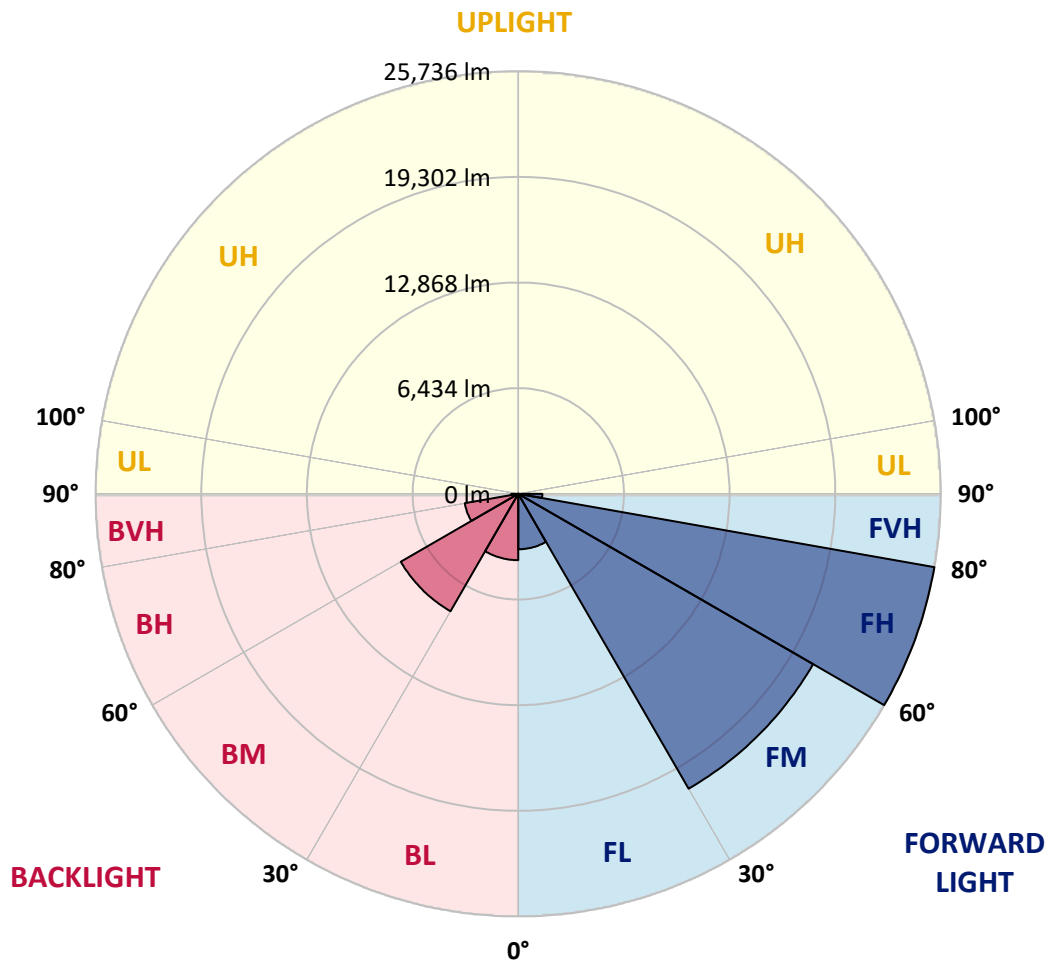


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3376.9	5.0			
FM (30°-60°)	20736.5	30.8			
FH (60°-80°)	25735.6	38.2			G5
FVH (80°-90°)	1464.3	2.2			G5
BL (0°-30°)	4038.5	6.0	B4/5000		
BM (30°-60°)	8256.9	12.3	B4/8500		
BH (60°-80°)	3303.8	4.9	B4/5000		G4/5000
BVH (80°-90°)	425.6	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°	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2
2.5°	8274.3	8325.3	8347.1	8336.2	8390.8	8383.5	8460.0	8554.6	8685.7	8813.1
5°	7637.3	7691.9	7739.2	7782.9	7888.4	7921.2	8041.3	8223.4	8463.6	8707.5
7.5°	7043.9	7091.2	7164.0	7244.1	7422.5	7455.3	7655.5	7939.4	8274.3	8631.1
10°	6559.8	6607.1	6683.5	6774.5	6996.6	7036.6	7291.4	7670.0	8106.9	8558.3
12.5°	6352.3	6366.8	6410.5	6501.5	6694.4	6719.9	7000.2	7433.4	7943.1	8503.7
15°	6341.3	6370.5	6374.1	6421.4	6581.6	6592.5	6851.0	7280.5	7841.1	8492.7
17.5°	6450.5	6472.4	6439.6	6468.7	6603.4	6621.6	6825.5	7207.7	7808.4	8540.1
20°	6741.8	6760.0	6661.7	6621.6	6719.9	6734.5	6934.7	7255.0	7841.1	8638.3
22.5°	7360.6	7371.5	7131.3	6967.5	6974.7	6982.0	7156.8	7448.0	7968.5	8816.7
25°	8325.3	8318.0	7935.8	7619.1	7437.1	7397.0	7513.5	7761.0	8183.3	9053.3
27.5°	9453.8	9399.2	9016.9	8543.7	8146.9	8088.7	8063.2	8168.7	8489.1	9366.4
30°	10727.8	10676.9	10265.5	9646.7	9097.0	9002.4	8762.1	8707.5	8944.1	9792.3
32.5°	12125.7	12092.9	11601.5	10851.6	10116.3	10007.1	9603.0	9457.4	9643.1	10436.6
35°	13297.9	13268.8	12861.0	12089.3	11190.2	11055.5	10644.1	10480.3	10575.0	11263.0
37.5°	14357.2	14342.6	13993.2	13385.2	12457.0	12293.2	11830.8	11776.2	11758.0	12351.4
40°	15340.1	15303.7	14939.6	14619.3	13931.3	13782.0	13374.3	13327.0	13188.7	13691.0
42.5°	16428.5	16333.9	15806.0	15656.8	15471.1	15347.3	15103.4	15110.7	14804.9	15201.7
45°	17316.7	17262.1	16719.7	16632.4	16832.6	16781.6	16992.7	17047.3	16454.0	16785.2
47.5°	18270.5	18219.5	17760.8	17699.0	18241.3	18255.9	19002.2	19020.4	18063.0	18430.6
50°	19446.3	19373.5	18918.4	18994.9	19602.8	19657.4	21022.5	20898.7	19544.6	20101.5
52.5°	20221.7	20265.3	20167.0	20290.8	21120.8	21171.8	23010.1	22693.4	21011.6	21750.6
55°	20793.2	20880.5	21186.3	21470.3	22722.5	22773.5	24884.8	24400.7	22227.4	23279.5
57.5°	21528.5	21404.7	21976.3	22529.6	24244.1	24378.8	26708.6	26046.1	23305.0	24597.2
60°	22584.2	22496.8	22940.9	23760.0	25947.8	26162.6	28637.9	27527.7	24094.9	25642.0
62.5°	24724.7	24506.2	24575.4	25299.8	28095.5	28379.5	30814.8	28819.9	24488.0	26049.7
65°	27924.4	27549.5	27200.0	27702.4	31120.6	31400.9	33272.0	29835.6	24342.4	25259.8
67.5°	31954.2	31582.9	31153.4	31626.6	35576.3	35798.3	36304.3	30407.1	23195.7	22216.5
70°	35277.8	35139.4	35652.7	37600.3	42693.0	42700.3	40192.1	29933.9	20054.2	15751.4
72.5°	34837.3	34753.6	37458.3	43479.3	51662.6	51469.7	43872.4	26351.9	13509.0	7105.8
75°	28579.7	29122.1	33312.0	43373.7	54884.2	54858.7	41619.1	16752.5	5587.8	2945.0
77.5°	15325.5	16184.6	21626.8	32023.4	42845.9	43490.2	29260.4	5860.8	2398.9	1885.7
80°	4998.1	5748.0	8620.1	16304.7	27840.7	27720.6	12540.7	2300.6	1641.8	1336.0
82.5°	2122.3	2209.6	3851.4	7699.2	14288.0	14066.0	3993.4	1321.4	1154.0	913.7
85°	830.0	928.3	1700.0	3560.2	6188.4	6053.8	1441.5	655.2	739.0	597.0
87.5°	273.0	331.3	607.9	1219.5	1925.7	1856.5	353.1	225.7	320.3	273.0
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°
8973.2	0°	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2	8973.2
8998.7	2.5°	9049.7	9107.9	9177.1	9279.0	9366.4	9439.2	9515.6	9563.0	9581.2	9635.8
9013.3	5°	9115.2	9242.6	9413.7	9581.2	9745.0	9843.3	9930.6	9974.3	10014.4	10043.5
9053.3	7.5°	9224.4	9388.2	9657.6	9876.0	10014.4	10094.4	10152.7	10138.1	10152.7	10160.0
9097.0	10°	9319.1	9548.4	9868.7	10076.2	10181.8	10185.5	10170.9	10119.9	10094.4	10098.1
9162.5	12.5°	9431.9	9686.7	10032.6	10207.3	10236.4	10156.3	10094.4	10007.1	9974.3	9959.8
9260.8	15°	9584.8	9876.0	10210.9	10276.5	10203.7	10101.7	9996.2	9854.2	9781.4	9723.1
9428.3	17.5°	9770.5	10090.8	10349.3	10301.9	10145.4	9978.0	9806.9	9592.1	9442.8	9381.0
9657.6	20°	10028.9	10316.5	10454.8	10247.3	10010.7	9755.9	9464.7	9202.6	9064.3	9002.4
9948.8	22.5°	10342.0	10618.6	10556.8	10152.7	9817.8	9410.1	9046.0	8853.1	8784.0	8740.3
10323.8	25°	10716.9	10953.5	10629.6	10014.4	9501.1	8951.4	8671.1	8609.2	8576.5	8543.7
10782.5	27.5°	11204.7	11332.1	10684.2	9810.5	9006.0	8463.6	8361.7	8372.6	8361.7	8307.1
11419.5	30°	11849.1	11823.6	10735.1	9479.2	8438.1	8023.1	8030.4	8077.7	8085.0	8048.6
12307.7	32.5°	12697.2	12438.8	10760.6	9049.7	7895.7	7637.3	7644.5	7695.5	7731.9	7670.0
13469.0	35°	13723.8	13155.9	10720.6	8510.9	7477.1	7269.6	7215.0	7229.6	7240.5	7182.2
14877.7	37.5°	14921.4	13960.4	10542.2	7913.9	7131.3	6909.2	6792.7	6694.4	6636.2	6581.6
16472.2	40°	16235.6	14837.7	10214.6	7331.5	6745.4	6527.0	6352.3	6166.6	5970.0	5897.2
18161.3	42.5°	17611.6	15740.5	9817.8	6774.5	6301.3	6122.9	5937.3	5667.9	5373.0	5223.8
19915.9	45°	19038.6	16665.1	9428.3	6224.8	5846.3	5769.8	5555.0	5231.1	4910.7	4721.4
21674.1	47.5°	20436.4	17538.8	8856.8	5671.5	5420.3	5504.1	5336.6	5038.1	4681.4	4382.9
23417.8	50°	21772.4	18357.8	7921.2	5110.9	5074.5	5424.0	5263.8	4834.3	4426.6	4044.3
25128.7	52.5°	23097.5	19020.4	6723.6	4601.3	4888.9	5402.1	5169.2	4695.9	4197.2	3796.8
26737.7	55°	24222.3	19362.5	5569.6	4164.5	4619.5	5216.5	5056.3	4532.1	3873.2	3447.3
27840.7	57.5°	24863.0	19085.9	4608.6	3734.9	4248.2	4910.7	4863.4	4182.7	3487.4	3159.7
28055.5	60°	24586.3	17964.7	3822.3	3360.0	3895.1	4579.4	4528.5	3836.8	3192.5	2883.1
26905.2	62.5°	23061.1	15827.9	3199.8	3032.3	3574.7	4240.9	4193.6	3571.1	2966.8	2668.3
23851.0	65°	19988.7	12875.6	2715.6	2759.3	3250.8	3833.2	3902.4	3349.0	2788.4	2497.2
18452.5	67.5°	15245.4	9326.3	2337.0	2522.7	2934.1	3432.8	3633.0	3188.9	2639.2	2362.5
10676.9	70°	8689.3	5296.6	2016.7	2293.4	2653.8	3061.5	3425.5	3061.5	2479.0	2249.7
4000.6	72.5°	3294.4	2431.7	1743.7	2064.0	2384.4	2748.4	3196.1	2861.2	2293.4	2122.3
2067.7	75°	1758.2	1481.6	1467.0	1794.6	2074.9	2442.6	2908.6	2664.7	2155.0	2242.4
1430.6	77.5°	1197.6	1048.4	1226.8	1536.2	1736.4	2104.1	2602.8	2366.2	1867.5	1860.2
990.2	80°	830.0	742.6	997.4	1237.7	1343.3	1769.2	2271.5	2031.3	1521.6	1419.7
611.6	82.5°	498.7	484.2	746.3	924.6	950.1	1365.1	1882.0	1703.6	1245.0	1084.8
364.0	85°	273.0	287.6	476.9	542.4	553.3	953.7	1474.3	1317.8	957.4	804.5
131.0	87.5°	76.4	98.3	174.7	214.8	265.7	495.1	877.3	782.7	480.5	334.9
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°
8973.2
9632.1
10050.8
10170.9
10105.4
9952.5
9741.3
9384.6
8995.1
8747.5
8543.7
8318.0
8066.8
7699.2
7222.3
6618.0
5930.0
5242.0
4706.9
4350.1
4011.6
3753.1
3410.9
3116.1
2839.4
2621.0
2449.9
2318.8
2220.6
2093.2
2315.2
1714.6
1357.8
1092.1
811.8
334.9
0.0

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