

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: P852871

Luminaire Tested: **GLAN-SB7A-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852871
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-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 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: 30941 lumens
Efficiency: N/A
Efficacy: 155.4 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

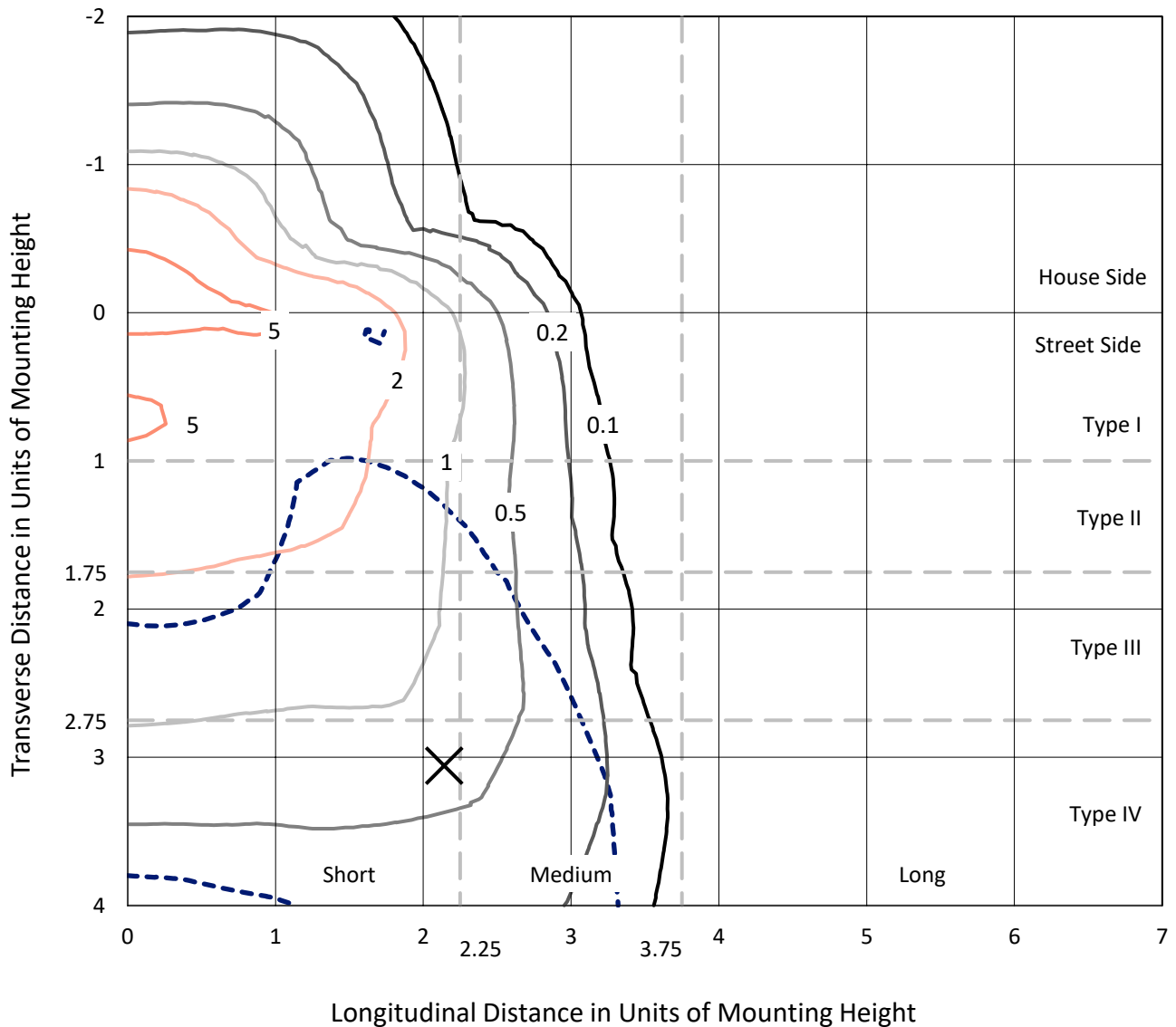
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

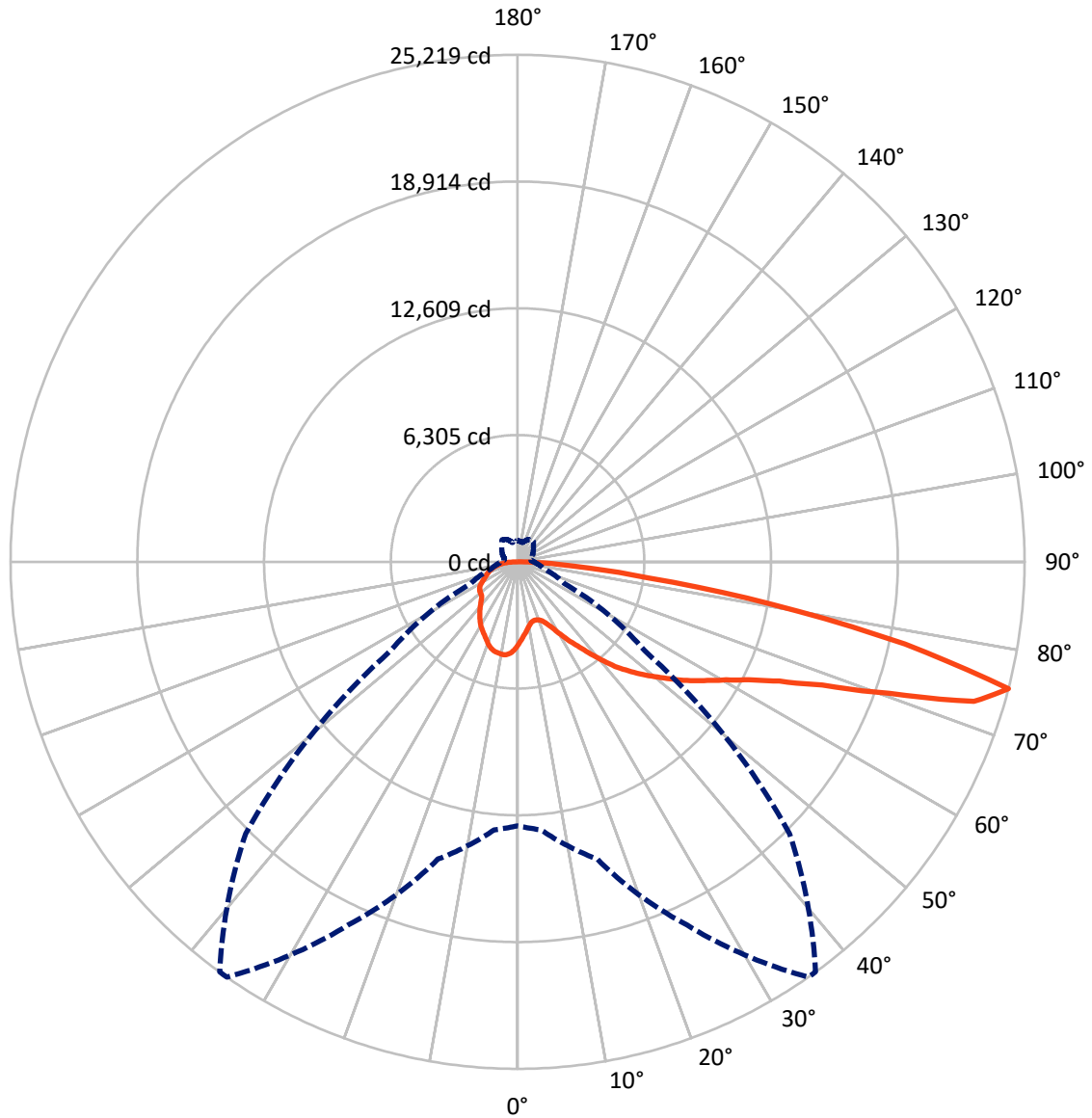
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 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	7363.2	0.0	7363.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	23577.8	0.0	23577.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	30941.0	0.0	30941.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.4	1.3
10°-20°	1126.0	3.6
20°-30°	1890.9	6.1
30°-40°	2938.7	9.5
40°-50°	4361.8	14.1
50°-60°	6021.7	19.5
60°-70°	7305.7	23.6
70°-80°	6037.6	19.5
80°-90°	868.4	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°	30941.0	100.0
0°-180°	30941.0	100.0

Coefficient of Utilization

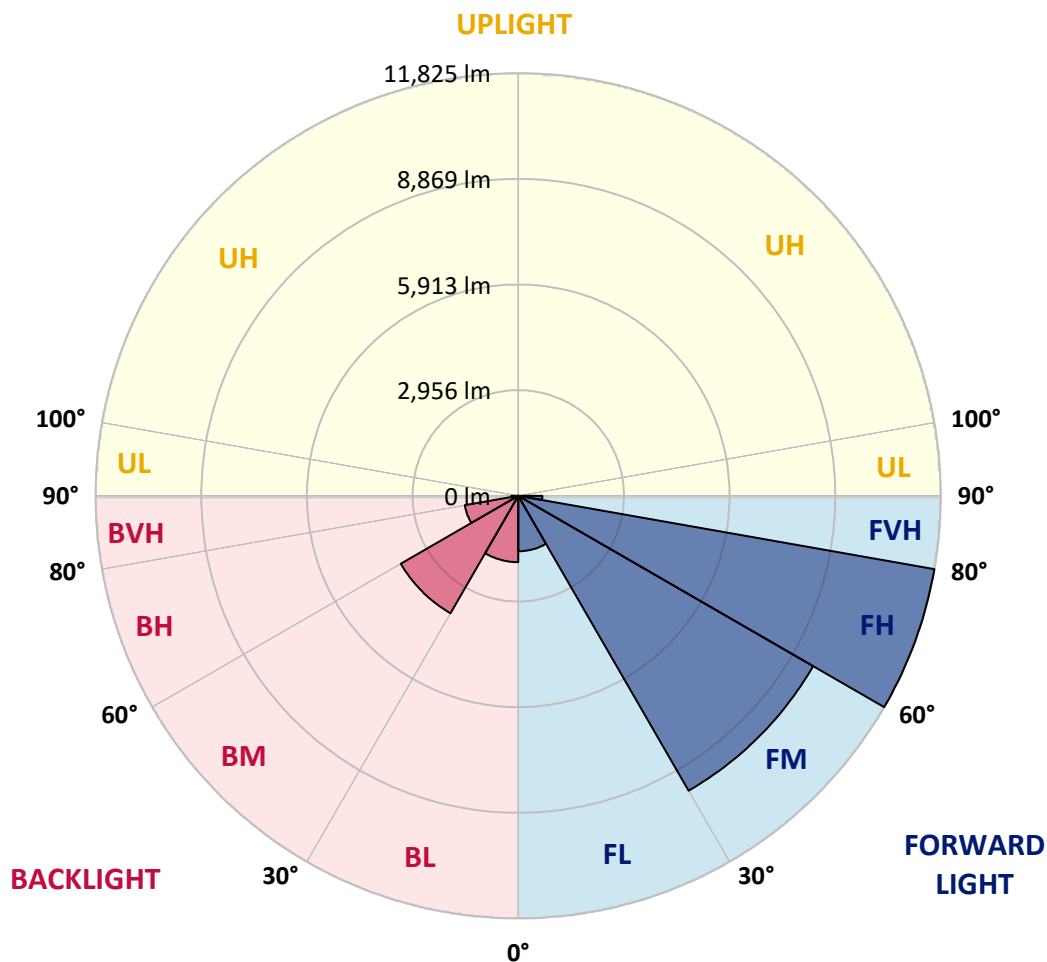


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1551.6	5.0			
FM (30°-60°)	9528.2	30.8			
FH (60°-80°)	11825.2	38.2			G4/12000
FVH (80°-90°)	672.8	2.2			G4/750
BL (0°-30°)	1855.6	6.0	B3/2500		
BM (30°-60°)	3794.0	12.3	B3/5000		
BH (60°-80°)	1518.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	195.5	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°	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1
2.5°	3801.9	3825.4	3835.4	3830.4	3855.5	3852.1	3887.3	3930.7	3991.0	4049.5
5°	3509.2	3534.3	3556.1	3576.1	3624.6	3639.7	3694.9	3778.5	3888.9	4001.0
7.5°	3236.6	3258.3	3291.8	3328.6	3410.5	3425.6	3517.6	3648.1	3801.9	3965.9
10°	3014.1	3035.9	3071.0	3112.8	3214.8	3233.2	3350.3	3524.3	3725.0	3932.4
12.5°	2918.8	2925.5	2945.5	2987.4	3076.0	3087.7	3216.5	3415.6	3649.7	3907.3
15°	2913.8	2927.1	2928.8	2950.6	3024.2	3029.2	3147.9	3345.3	3602.9	3902.3
17.5°	2963.9	2974.0	2958.9	2972.3	3034.2	3042.6	3136.2	3311.9	3587.8	3924.1
20°	3097.8	3106.1	3061.0	3042.6	3087.7	3094.4	3186.4	3333.6	3602.9	3969.2
22.5°	3382.1	3387.1	3276.7	3201.5	3204.8	3208.2	3288.4	3422.3	3661.4	4051.2
25°	3825.4	3822.0	3646.4	3500.9	3417.2	3398.8	3452.4	3566.1	3760.1	4159.9
27.5°	4343.9	4318.8	4143.2	3925.7	3743.4	3716.6	3704.9	3753.4	3900.6	4303.7
30°	4929.3	4905.9	4716.9	4432.5	4180.0	4136.5	4026.1	4001.0	4109.7	4499.4
32.5°	5571.6	5556.6	5330.8	4986.2	4648.3	4598.1	4412.5	4345.6	4430.9	4795.5
35°	6110.2	6096.8	5909.5	5554.9	5141.7	5079.9	4890.8	4815.6	4859.1	5175.2
37.5°	6597.0	6590.3	6429.7	6150.4	5723.8	5648.6	5436.1	5411.0	5402.7	5675.3
40°	7048.6	7031.8	6864.6	6717.4	6401.3	6332.7	6145.3	6123.6	6060.0	6290.9
42.5°	7548.7	7505.2	7262.7	7194.1	7108.8	7051.9	6939.9	6943.2	6802.7	6985.0
45°	7956.8	7931.7	7682.5	7642.4	7734.4	7710.9	7808.0	7833.0	7560.4	7712.6
47.5°	8395.1	8371.6	8160.9	8132.5	8381.7	8388.4	8731.3	8739.6	8299.7	8468.7
50°	8935.3	8901.9	8692.8	8727.9	9007.3	9032.3	9659.6	9602.7	8980.5	9236.4
52.5°	9291.6	9311.7	9266.5	9323.4	9704.8	9728.2	10572.9	10427.3	9654.6	9994.1
55°	9554.2	9594.4	9734.9	9865.3	10440.7	10464.1	11434.3	11211.8	10213.2	10696.6
57.5°	9892.1	9835.2	10097.8	10352.1	11139.9	11201.8	12272.3	11967.9	10708.3	11302.1
60°	10377.2	10337.0	10541.1	10917.4	11922.7	12021.4	13158.8	12648.6	11071.3	11782.2
62.5°	11360.7	11260.3	11292.1	11625.0	12909.6	13040.0	14159.0	13242.4	11252.0	11969.5
65°	12830.9	12658.7	12498.1	12728.9	14299.5	14428.3	15288.1	13709.1	11185.1	11606.6
67.5°	14682.6	14512.0	14314.6	14532.0	16346.9	16448.9	16681.4	13971.7	10658.2	10208.2
70°	16209.7	16146.2	16382.0	17276.9	19616.9	19620.3	18467.8	13754.3	9214.7	7237.6
72.5°	16007.3	15968.8	17211.6	19978.2	23738.3	23649.7	20158.9	12108.4	6207.2	3265.0
75°	13132.0	13381.2	15306.5	19929.7	25218.6	25206.9	19123.5	7697.6	2567.5	1353.2
77.5°	7041.9	7436.6	9937.3	14714.4	19687.2	19983.2	13444.8	2693.0	1102.3	866.4
80°	2296.6	2641.1	3960.8	7491.8	12792.5	12737.3	5762.3	1057.1	754.4	613.9
82.5°	975.2	1015.3	1769.7	3537.7	6565.2	6463.1	1834.9	607.2	530.2	419.8
85°	381.4	426.5	781.1	1635.9	2843.5	2781.6	662.4	301.1	339.5	274.3
87.5°	125.4	152.2	279.3	560.3	884.8	853.1	162.2	103.7	147.2	125.4
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°
4123.1	0°	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1	4123.1
4134.8	2.5°	4158.2	4185.0	4216.8	4263.6	4303.7	4337.2	4372.3	4394.1	4402.4	4427.5
4141.5	5°	4188.3	4246.9	4325.5	4402.4	4477.7	4522.9	4563.0	4583.1	4601.5	4614.9
4159.9	7.5°	4238.5	4313.8	4437.6	4537.9	4601.5	4638.3	4665.0	4658.3	4665.0	4668.4
4180.0	10°	4282.0	4387.4	4534.6	4629.9	4678.4	4680.1	4673.4	4650.0	4638.3	4639.9
4210.1	12.5°	4333.9	4450.9	4609.8	4690.1	4703.5	4666.7	4638.3	4598.1	4583.1	4576.4
4255.2	15°	4404.1	4537.9	4691.8	4721.9	4688.5	4641.6	4593.1	4527.9	4494.4	4467.7
4332.2	17.5°	4489.4	4636.6	4755.4	4733.6	4661.7	4584.8	4506.1	4407.4	4338.9	4310.4
4437.6	20°	4608.2	4740.3	4803.9	4708.5	4599.8	4482.7	4348.9	4228.5	4164.9	4136.5
4571.4	22.5°	4752.0	4879.1	4850.7	4665.0	4511.2	4323.8	4156.6	4067.9	4036.1	4016.0
4743.7	25°	4924.3	5033.0	4884.2	4601.5	4365.6	4113.1	3984.3	3955.8	3940.8	3925.7
4954.4	27.5°	5148.4	5207.0	4909.2	4507.8	4138.2	3888.9	3842.1	3847.1	3842.1	3817.0
5247.1	30°	5444.5	5432.8	4932.7	4355.6	3877.2	3686.5	3689.9	3711.6	3715.0	3698.2
5655.3	32.5°	5834.2	5715.5	4944.4	4158.2	3628.0	3509.2	3512.6	3536.0	3552.7	3524.3
6188.8	35°	6305.9	6045.0	4926.0	3910.7	3435.6	3340.3	3315.2	3321.9	3326.9	3300.2
6836.1	37.5°	6856.2	6414.6	4844.0	3636.4	3276.7	3174.7	3121.2	3076.0	3049.3	3024.2
7568.8	40°	7460.0	6817.7	4693.5	3368.7	3099.4	2999.1	2918.8	2833.5	2743.2	2709.7
8344.9	42.5°	8092.3	7232.6	4511.2	3112.8	2895.4	2813.4	2728.1	2604.3	2468.8	2400.3
9151.1	45°	8748.0	7657.4	4332.2	2860.2	2686.3	2651.2	2552.5	2403.6	2256.4	2169.4
9959.0	47.5°	9390.3	8058.9	4069.6	2606.0	2490.6	2529.1	2452.1	2315.0	2151.0	2013.9
10760.2	50°	10004.2	8435.2	3639.7	2348.4	2331.7	2492.3	2418.7	2221.3	2033.9	1858.3
11546.3	52.5°	10613.0	8739.6	3089.4	2114.2	2246.4	2482.2	2375.2	2157.7	1928.6	1744.6
12285.7	55°	11129.9	8896.9	2559.2	1913.5	2122.6	2396.9	2323.3	2082.5	1779.7	1584.0
12792.5	57.5°	11424.2	8769.7	2117.6	1716.1	1952.0	2256.4	2234.7	1921.9	1602.4	1451.9
12891.2	60°	11297.1	8254.6	1756.3	1543.9	1789.7	2104.2	2080.8	1763.0	1466.9	1324.7
12362.6	62.5°	10596.3	7272.7	1470.3	1393.3	1642.5	1948.6	1926.9	1640.9	1363.2	1226.1
10959.2	65°	9184.6	5916.2	1247.8	1267.9	1493.7	1761.3	1793.1	1538.8	1281.3	1147.4
8478.7	67.5°	7005.1	4285.3	1073.8	1159.2	1348.2	1577.3	1669.3	1465.2	1212.7	1085.6
4905.9	70°	3992.6	2433.7	926.7	1053.8	1219.4	1406.7	1574.0	1406.7	1139.1	1033.7
1838.2	72.5°	1513.8	1117.3	801.2	948.4	1095.6	1262.9	1468.6	1314.7	1053.8	975.2
950.1	75°	807.9	680.8	674.1	824.6	953.4	1122.4	1336.5	1224.4	990.2	1030.4
657.4	77.5°	550.3	481.7	563.7	705.9	797.9	966.8	1195.9	1087.2	858.1	854.7
455.0	80°	381.4	341.2	458.3	568.7	617.2	812.9	1043.7	933.3	699.2	652.3
281.0	82.5°	229.2	222.5	342.9	424.9	436.6	627.2	864.8	782.8	572.0	498.5
167.3	85°	125.4	132.1	219.1	249.2	254.2	438.2	677.4	605.5	439.9	369.7
60.2	87.5°	35.1	45.2	80.3	98.7	122.1	227.5	403.1	359.6	220.8	153.9
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°
4123.1
4425.8
4618.2
4673.4
4643.3
4573.0
4476.0
4312.1
4133.1
4019.4
3925.7
3822.0
3706.6
3537.7
3318.5
3040.9
2724.8
2408.6
2162.7
1998.8
1843.3
1724.5
1567.3
1431.8
1304.7
1204.3
1125.7
1065.5
1020.3
961.8
1063.8
787.8
623.9
501.8
373.0
153.9
0.0

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