

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: P852777

Luminaire Tested: **GLAN-SB6B-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852777
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-SB6B-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 26909 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

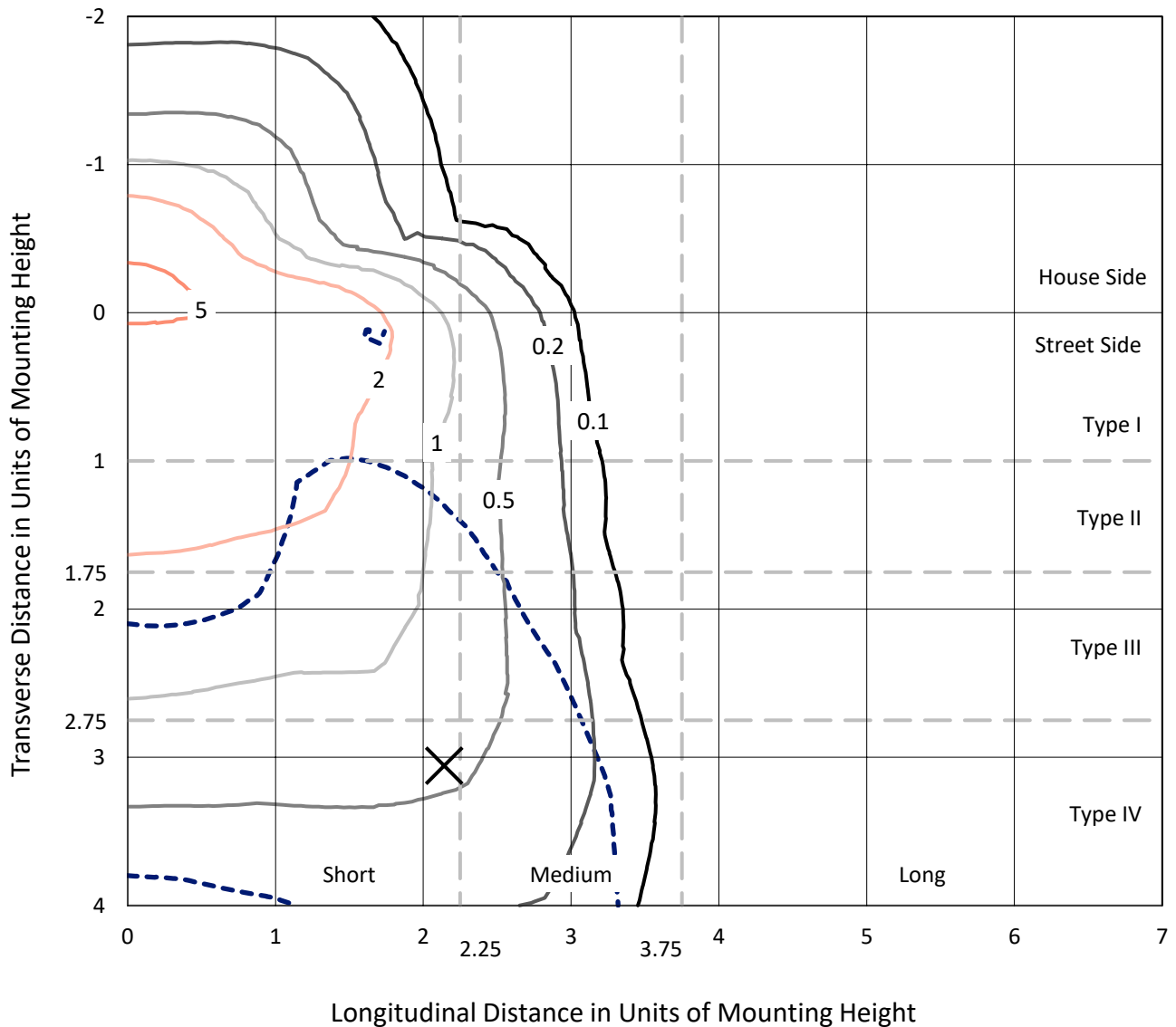
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

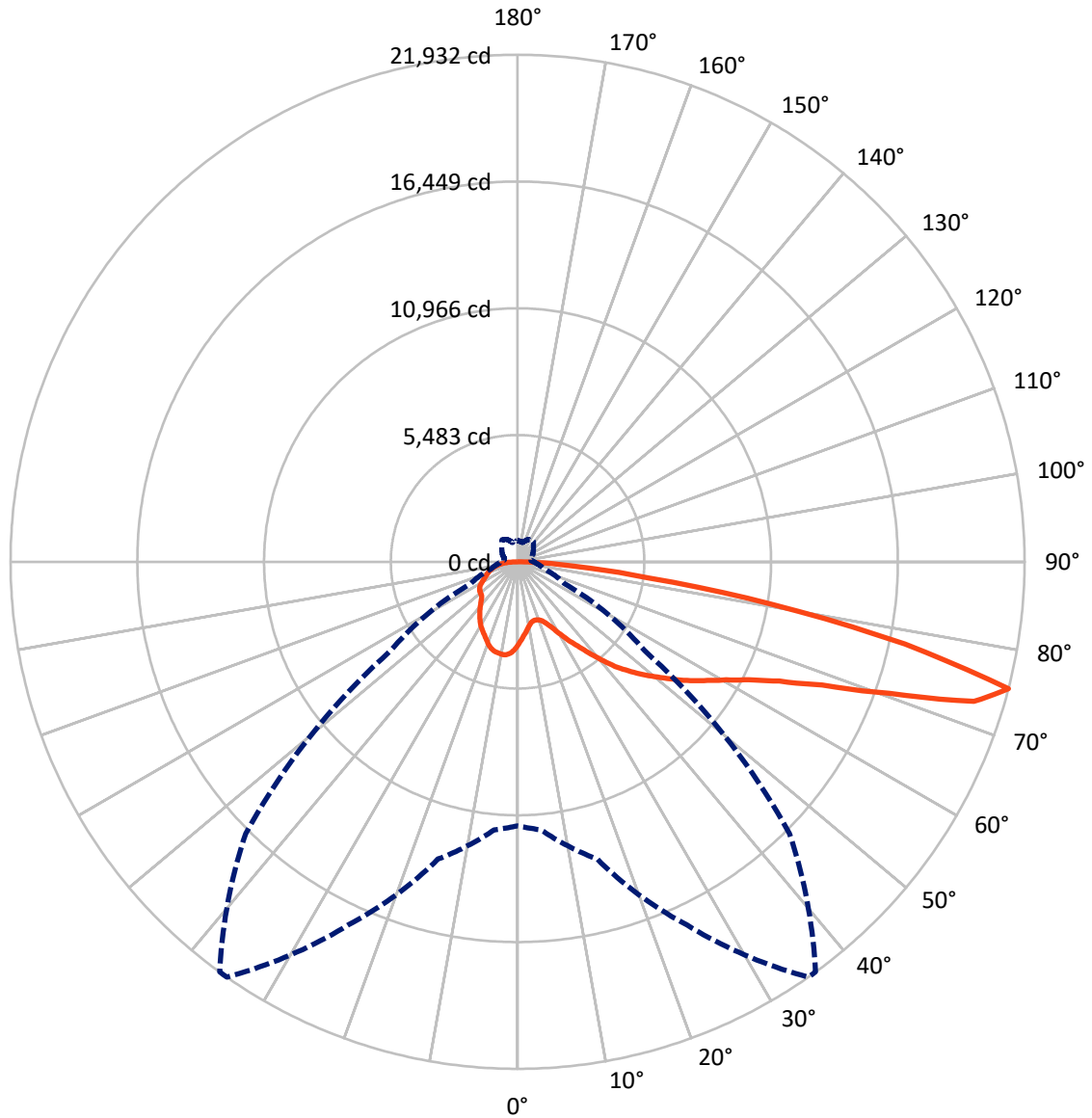
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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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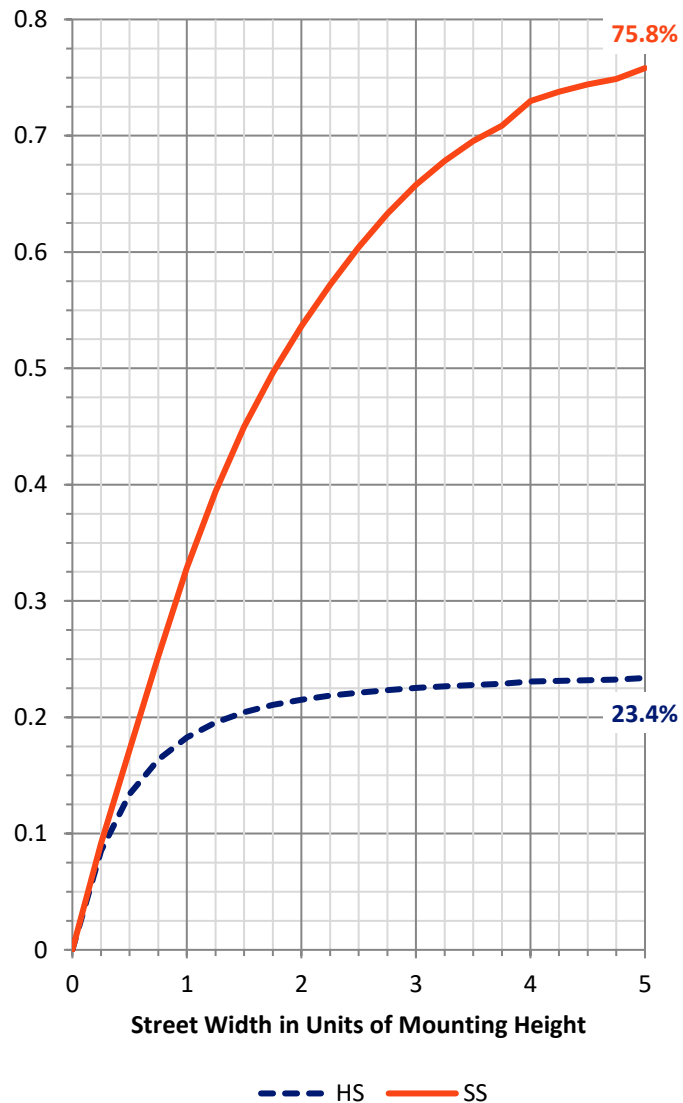
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6403.7	0.0	6403.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	20505.3	0.0	20505.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	26909.0	0.0	26909.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.5	1.3
10°-20°	979.3	3.6
20°-30°	1644.5	6.1
30°-40°	2555.7	9.5
40°-50°	3793.4	14.1
50°-60°	5237.0	19.5
60°-70°	6353.6	23.6
70°-80°	5250.8	19.5
80°-90°	755.2	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°	26909.0	100.0
0°-180°	26909.0	100.0

Coefficient of Utilization

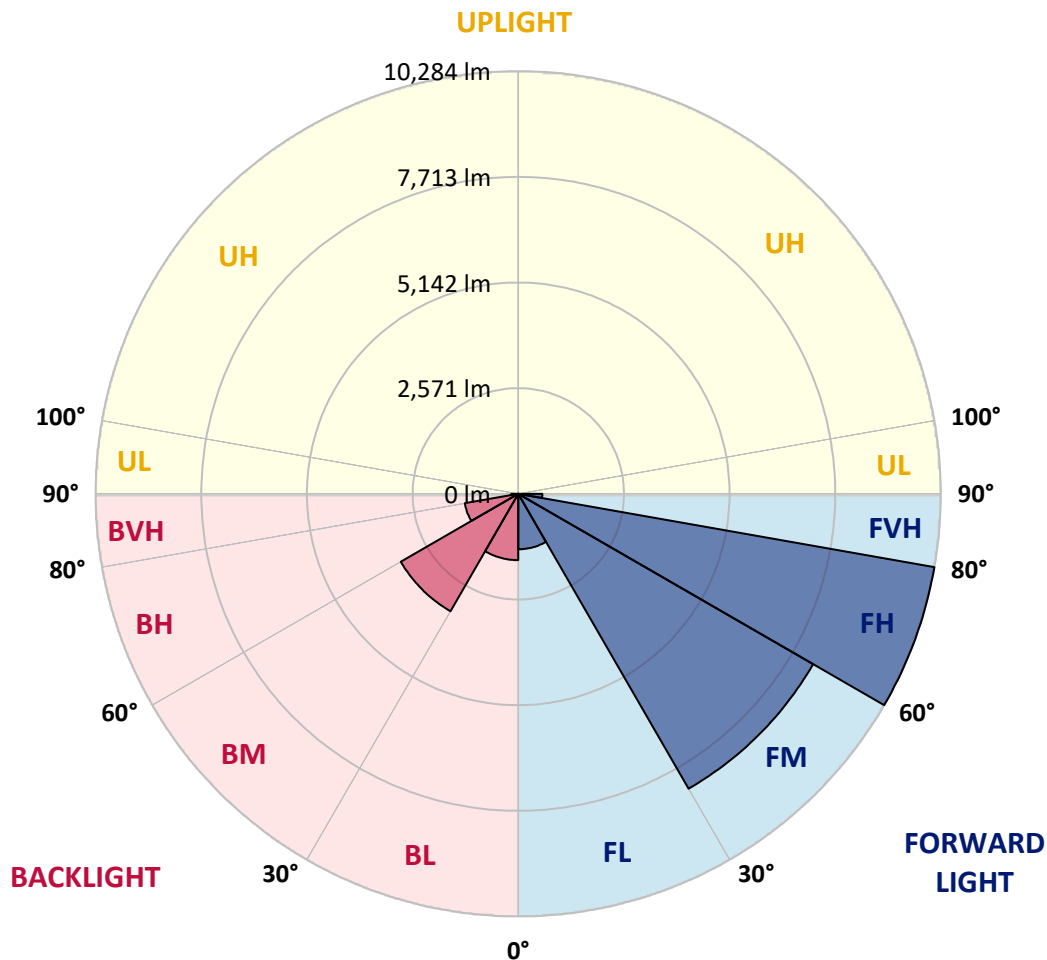


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1349.4	5.0			
FM (30°-60°)	8286.5	30.8			
FH (60°-80°)	10284.2	38.2			G4/12000
FVH (80°-90°)	585.2	2.2			G4/750
BL (0°-30°)	1613.8	6.0	B3/2500		
BM (30°-60°)	3299.6	12.3	B3/5000		
BH (60°-80°)	1320.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	170.1	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°	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8
2.5°	3306.5	3326.9	3335.6	3331.2	3353.1	3350.1	3380.7	3418.5	3470.9	3521.8
5°	3051.9	3073.8	3092.7	3110.1	3152.3	3165.4	3213.4	3286.1	3382.1	3479.6
7.5°	2814.8	2833.7	2862.8	2894.8	2966.1	2979.2	3059.2	3172.7	3306.5	3449.1
10°	2621.3	2640.3	2670.8	2707.2	2795.9	2811.9	2913.7	3065.0	3239.6	3420.0
12.5°	2538.4	2544.2	2561.7	2598.1	2675.2	2685.4	2797.4	2970.5	3174.1	3398.2
15°	2534.1	2545.7	2547.2	2566.1	2630.1	2634.4	2737.7	2909.4	3133.4	3393.8
17.5°	2577.7	2586.4	2573.3	2585.0	2638.8	2646.1	2727.5	2880.3	3120.3	3412.7
20°	2694.1	2701.4	2662.1	2646.1	2685.4	2691.2	2771.2	2899.2	3133.4	3452.0
22.5°	2941.4	2945.7	2849.7	2784.3	2787.2	2790.1	2859.9	2976.3	3184.3	3523.3
25°	3326.9	3324.0	3171.2	3044.7	2971.9	2955.9	3002.5	3101.4	3270.1	3617.8
27.5°	3777.8	3756.0	3603.3	3414.2	3255.6	3232.3	3222.1	3264.3	3392.3	3742.9
30°	4287.0	4266.6	4102.2	3854.9	3635.3	3597.4	3501.4	3479.6	3574.2	3913.1
32.5°	4845.6	4832.5	4636.1	4336.4	4042.6	3998.9	3837.5	3779.3	3853.5	4170.6
35°	5314.0	5302.3	5139.4	4831.0	4471.7	4417.9	4253.5	4188.0	4225.9	4500.8
37.5°	5737.3	5731.5	5591.8	5348.9	4977.9	4912.5	4727.7	4705.9	4698.6	4935.8
40°	6130.1	6115.5	5970.0	5842.0	5567.1	5507.4	5344.5	5325.6	5270.3	5471.1
42.5°	6565.0	6527.2	6316.3	6256.6	6182.4	6133.0	6035.5	6038.4	5916.2	6074.8
45°	6920.0	6898.1	6681.4	6646.5	6726.5	6706.1	6790.5	6812.3	6575.2	6707.6
47.5°	7301.1	7280.7	7097.4	7072.7	7289.4	7295.3	7593.5	7600.7	7218.2	7365.1
50°	7770.9	7741.9	7560.0	7590.6	7833.5	7855.3	8400.8	8351.4	7810.2	8032.8
52.5°	8080.8	8098.2	8059.0	8108.4	8440.1	8460.5	9195.1	9068.5	8396.5	8691.8
55°	8309.2	8344.1	8466.3	8579.8	9080.2	9100.5	9944.2	9750.8	8882.3	9302.7
57.5°	8603.0	8553.6	8782.0	9003.1	9688.2	9742.0	10673.0	10408.3	9312.9	9829.3
60°	9024.9	8990.0	9167.4	9494.7	10369.0	10454.8	11444.0	11000.4	9628.6	10246.8
62.5°	9880.2	9793.0	9820.6	10110.1	11227.3	11340.7	12313.9	11516.8	9785.7	10409.7
65°	11158.9	11009.1	10869.4	11070.2	12436.1	12548.1	13295.8	11922.6	9727.5	10094.1
67.5°	12769.3	12620.9	12449.2	12638.3	14216.7	14305.4	14507.6	12151.0	9269.3	8878.0
70°	14097.4	14042.1	14247.2	15025.5	17060.6	17063.5	16061.2	11961.9	8013.9	6294.4
72.5°	13921.4	13887.9	14968.7	17374.8	20644.9	20567.8	17531.9	10530.5	5398.3	2839.6
75°	11420.8	11637.5	13311.9	17332.6	21932.3	21922.2	16631.4	6694.5	2232.9	1176.8
77.5°	6124.2	6467.5	8642.3	12796.9	17121.7	17379.2	11692.8	2342.0	958.6	753.5
80°	1997.3	2297.0	3444.7	6515.5	11125.5	11077.5	5011.4	919.4	656.1	533.9
82.5°	848.1	883.0	1539.1	3076.7	5709.7	5620.9	1595.8	528.1	461.1	365.1
85°	331.7	370.9	679.3	1422.7	2473.0	2419.1	576.1	261.8	295.3	238.6
87.5°	109.1	132.4	242.9	487.3	769.5	741.9	141.1	90.2	128.0	109.1
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°
3585.8	0°	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8	3585.8
3596.0	2.5°	3616.4	3639.6	3667.3	3708.0	3742.9	3772.0	3802.6	3821.5	3828.7	3850.6
3601.8	5°	3642.5	3693.5	3761.8	3828.7	3894.2	3933.5	3968.4	3985.8	4001.8	4013.5
3617.8	7.5°	3686.2	3751.6	3859.3	3946.6	4001.8	4033.9	4057.1	4051.3	4057.1	4060.0
3635.3	10°	3724.0	3815.6	3943.7	4026.6	4068.8	4070.2	4064.4	4044.0	4033.9	4035.3
3661.5	12.5°	3769.1	3870.9	4009.1	4078.9	4090.6	4058.6	4033.9	3998.9	3985.8	3980.0
3700.7	15°	3830.2	3946.6	4080.4	4106.6	4077.5	4036.8	3994.6	3937.8	3908.7	3885.5
3767.6	17.5°	3904.4	4032.4	4135.7	4116.8	4054.2	3987.3	3918.9	3833.1	3773.5	3748.7
3859.3	20°	4007.7	4122.6	4177.9	4094.9	4000.4	3898.6	3782.2	3677.5	3622.2	3597.4
3975.7	22.5°	4132.8	4243.3	4218.6	4057.1	3923.3	3760.4	3614.9	3537.8	3510.2	3492.7
4125.5	25°	4282.6	4377.2	4247.7	4001.8	3796.7	3577.1	3465.1	3440.3	3427.2	3414.2
4308.8	27.5°	4477.5	4528.4	4269.5	3920.4	3598.9	3382.1	3341.4	3345.8	3341.4	3319.6
4563.4	30°	4735.0	4724.8	4289.9	3788.0	3372.0	3206.1	3209.0	3228.0	3230.9	3216.3
4918.3	32.5°	5074.0	4970.7	4300.1	3616.4	3155.2	3051.9	3054.8	3075.2	3089.8	3065.0
5382.3	35°	5484.2	5257.2	4284.1	3401.1	2987.9	2905.0	2883.2	2889.0	2893.4	2870.1
5945.3	37.5°	5962.8	5578.7	4212.8	3162.5	2849.7	2761.0	2714.4	2675.2	2651.9	2630.1
6582.5	40°	6487.9	5929.3	4081.9	2929.7	2695.5	2608.3	2538.4	2464.2	2385.7	2356.6
7257.4	42.5°	7037.8	6290.1	3923.3	2707.2	2518.1	2446.8	2372.6	2264.9	2147.1	2087.5
7958.6	45°	7608.0	6659.6	3767.6	2487.5	2336.2	2305.7	2219.9	2090.4	1962.4	1886.7
8661.2	47.5°	8166.6	7008.7	3539.3	2266.4	2166.0	2199.5	2132.6	2013.3	1870.7	1751.4
9358.0	50°	8700.5	7336.0	3165.4	2042.4	2027.8	2167.5	2103.5	1931.8	1768.9	1616.2
10041.7	52.5°	9230.0	7600.7	2686.8	1838.7	1953.6	2158.8	2065.7	1876.5	1677.3	1517.2
10684.7	55°	9679.5	7737.5	2225.7	1664.2	1846.0	2084.6	2020.6	1811.1	1547.8	1377.6
11125.5	57.5°	9935.5	7626.9	1841.6	1492.5	1697.6	1962.4	1943.5	1671.4	1393.6	1262.7
11211.3	60°	9825.0	7178.9	1527.4	1342.7	1556.5	1830.0	1809.6	1533.2	1275.8	1152.1
10751.6	62.5°	9215.4	6325.0	1278.7	1211.8	1428.5	1694.7	1675.8	1427.0	1185.6	1066.3
9531.1	65°	7987.7	5145.2	1085.2	1102.7	1299.0	1531.8	1559.4	1338.3	1114.3	997.9
7373.8	67.5°	6092.2	3726.9	933.9	1008.1	1172.5	1371.8	1451.8	1274.3	1054.6	944.1
4266.6	70°	3472.3	2116.6	805.9	916.5	1060.5	1223.4	1368.9	1223.4	990.6	899.0
1598.7	72.5°	1316.5	971.7	696.8	824.8	952.8	1098.3	1277.2	1143.4	916.5	848.1
826.3	75°	702.6	592.1	586.2	717.2	829.2	976.1	1162.3	1064.8	861.2	896.1
571.7	77.5°	478.6	419.0	490.2	613.9	693.9	840.8	1040.1	945.5	746.3	743.3
395.7	80°	331.7	296.8	398.6	494.6	536.8	707.0	907.7	811.7	608.1	567.3
244.4	82.5°	199.3	193.5	298.2	369.5	379.7	545.5	752.1	680.8	497.5	433.5
145.5	85°	109.1	114.9	190.6	216.7	221.1	381.1	589.1	526.6	382.6	321.5
52.4	87.5°	30.5	39.3	69.8	85.8	106.2	197.8	350.6	312.8	192.0	133.8
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

<u>180°</u>
3585.8
3849.1
4016.4
4064.4
4038.2
3977.1
3892.7
3750.2
3594.5
3495.6
3414.2
3324.0
3223.6
3076.7
2886.1
2644.6
2369.7
2094.8
1880.9
1738.4
1603.1
1499.8
1363.0
1245.2
1134.7
1047.4
979.0
926.6
887.4
836.4
925.2
685.2
542.6
436.4
324.4
133.8
0.0

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