

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: P848888

Luminaire Tested: **GLAN-SB5C-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5C-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25540 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

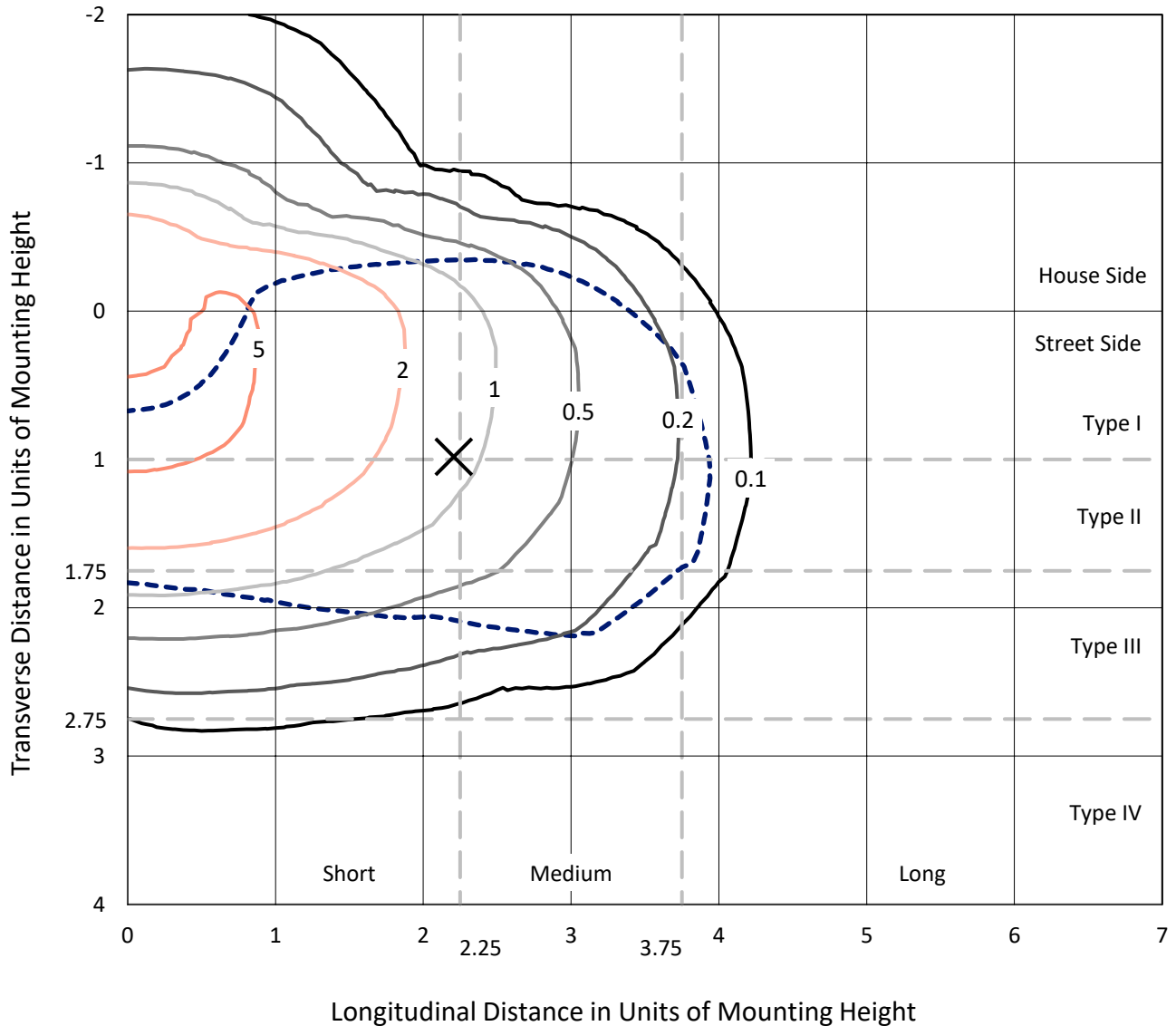
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

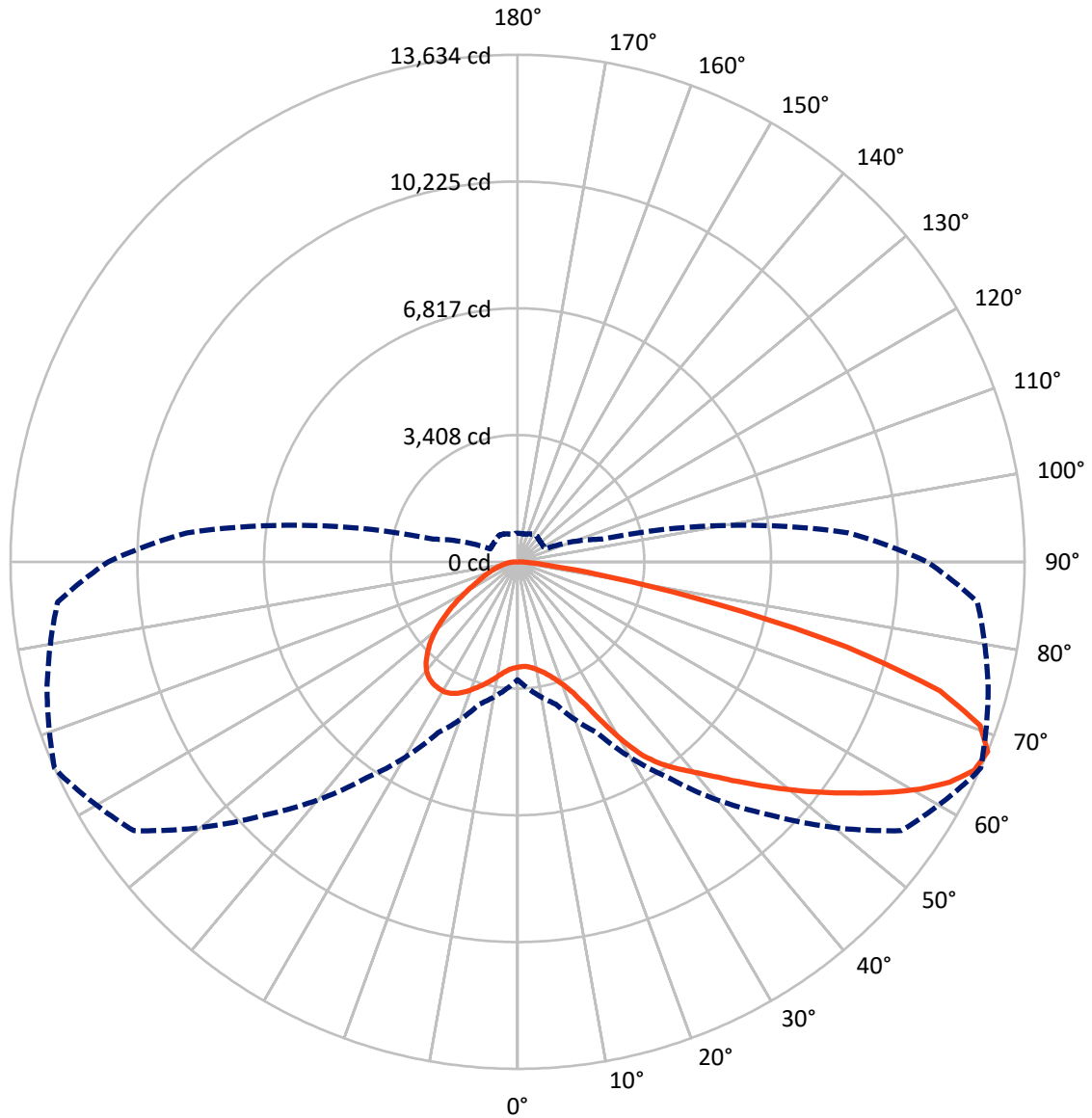
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6350.5	0.0	6350.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19189.6	0.0	19189.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	25540.0	0.0	25540.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.9	1.1
10°-20°	927.9	3.6
20°-30°	1788.5	7.0
30°-40°	3135.9	12.3
40°-50°	4662.0	18.3
50°-60°	5909.5	23.1
60°-70°	5782.3	22.6
70°-80°	2758.2	10.8
80°-90°	294.8	1.2
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°	25540.0	100.0
0°-180°	25540.0	100.0

Coefficient of Utilization



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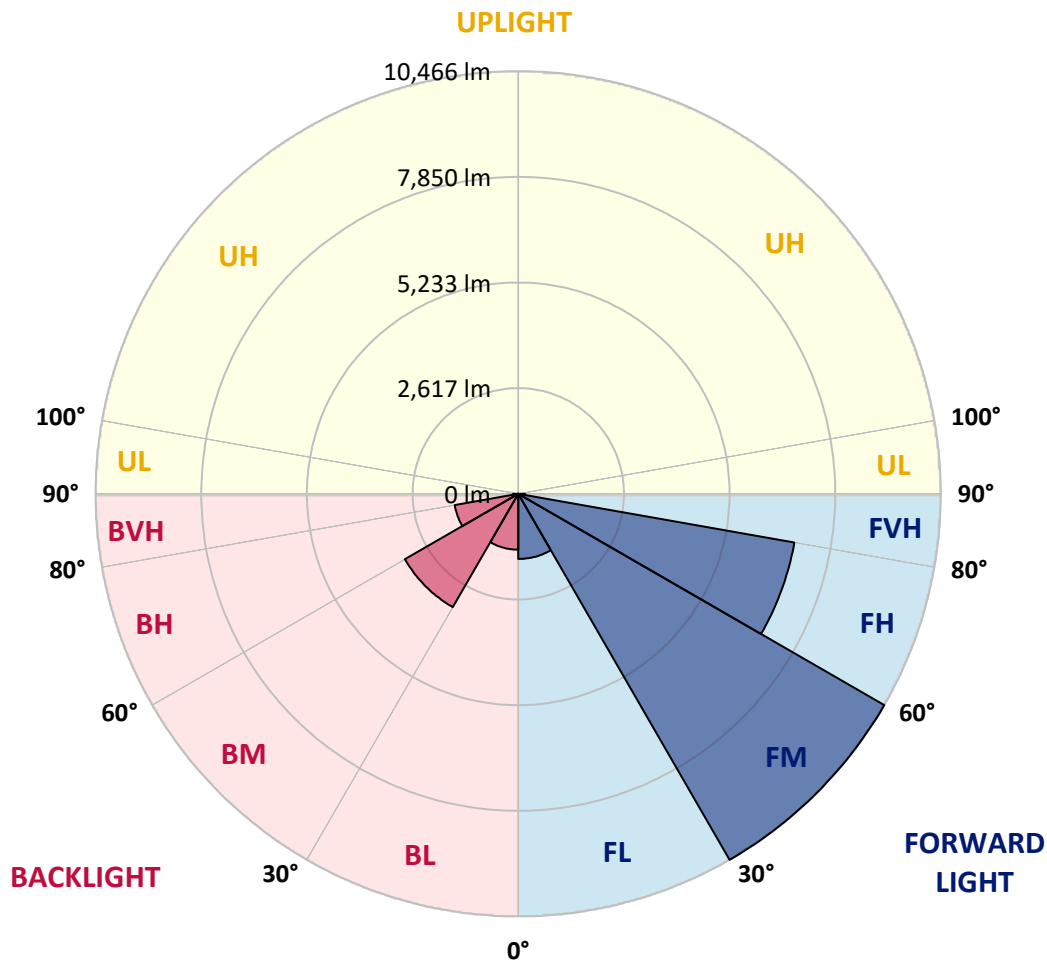
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1613.9	6.3			
FM (30°-60°)	10466.1	41.0			
FH (60°-80°)	6942.5	27.2			G3/7500
FVH (80°-90°)	167.1	0.7			G2/225
BL (0°-30°)	1383.4	5.4	B3/2500		
BM (30°-60°)	3241.3	12.7	B3/5000		
BH (60°-80°)	1598.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	127.7	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7
2.5°	2803.2	2819.3	2815.3	2808.6	2807.2	2809.9	2813.9	2818.0	2816.6	2823.3
5°	2795.2	2811.3	2809.9	2809.9	2815.3	2826.0	2832.7	2839.4	2832.7	2840.8
7.5°	2800.5	2812.6	2818.0	2823.3	2836.7	2856.9	2873.0	2887.7	2879.7	2889.1
10°	2869.0	2878.3	2883.7	2883.7	2893.1	2915.9	2932.0	2958.9	2952.2	2966.9
12.5°	2993.7	3003.1	3003.1	2997.8	3004.5	3019.2	3024.6	3054.1	3042.1	3066.2
15°	3146.7	3165.5	3150.8	3141.4	3144.0	3158.8	3157.5	3180.3	3168.2	3188.3
17.5°	3315.8	3340.0	3315.8	3314.5	3309.1	3325.2	3326.5	3346.7	3325.2	3340.0
20°	3515.7	3549.3	3529.2	3535.9	3523.8	3530.5	3537.2	3566.7	3533.2	3543.9
22.5°	3797.5	3837.8	3816.3	3841.8	3833.8	3828.4	3827.1	3879.4	3827.1	3831.1
25°	4208.2	4256.5	4218.9	4253.8	4253.8	4271.2	4291.4	4358.4	4271.2	4245.7
27.5°	4814.7	4863.0	4789.2	4810.7	4804.0	4846.9	4825.4	4991.8	4897.9	4856.3
30°	5544.7	5630.6	5491.0	5485.6	5478.9	5547.4	5578.2	5688.3	5593.0	5551.4
32.5°	6333.7	6423.6	6257.2	6208.9	6183.4	6225.0	6199.5	6288.1	6222.3	6157.9
35°	7168.4	7256.9	7098.6	7004.7	6902.7	6815.4	6724.2	6747.0	6685.3	6587.3
37.5°	7957.4	8119.8	7952.0	7851.4	7663.5	7493.1	7238.1	7132.1	7074.4	6984.5
40°	8761.2	8853.8	8726.3	8640.4	8436.4	8169.4	7761.5	7537.4	7459.6	7372.3
42.5°	9353.0	9441.5	9373.1	9314.0	9154.4	8844.4	8317.0	8036.6	7923.8	7825.9
45°	9822.6	9888.4	9845.4	9866.9	9798.5	9497.9	8892.7	8572.0	8455.2	8335.8
47.5°	10011.8	10081.6	10150.0	10277.5	10394.3	10172.8	9511.3	9151.7	9028.2	8906.1
50°	9990.3	10061.5	10260.1	10531.1	10893.4	10819.6	10163.5	9768.9	9654.9	9515.3
52.5°	9818.6	9899.1	10154.1	10604.9	11181.9	11304.1	10827.7	10406.3	10299.0	10132.6
55°	9367.7	9416.0	9798.5	10437.2	11250.4	11642.2	11478.5	11085.3	10978.0	10745.8
57.5°	8531.7	8601.5	9158.4	9985.0	11078.6	11871.7	12050.1	11799.2	11695.9	11361.8
60°	7440.8	7552.1	8189.5	9225.5	10641.2	11870.3	12569.5	12501.0	12415.1	11968.3
62.5°	6206.2	6335.0	6948.3	8152.0	9876.3	11533.5	12894.2	13088.8	13044.5	12527.9
65°	4766.4	4854.9	5465.5	6763.1	8686.0	10810.2	12931.8	13490.0	13498.0	12953.2
67.5°	3173.6	3428.5	3958.6	5075.0	7091.9	9628.0	12601.7	13555.7	13633.6	13099.5
70°	1548.5	1884.0	2403.3	3298.4	5075.0	7815.2	11738.8	13016.3	13189.4	12672.8
72.5°	642.8	751.5	1034.6	1627.7	2913.2	5273.6	10005.1	11553.6	11874.4	11228.9
75°	433.4	469.7	591.8	834.7	1327.1	2600.6	7215.3	8614.9	9131.5	8480.7
77.5°	334.1	356.9	430.7	583.7	789.0	983.6	3862.0	5191.8	5458.8	5053.5
80°	263.0	280.5	322.1	425.4	559.6	526.0	1316.4	2352.3	2506.6	2102.7
82.5°	228.1	234.8	230.8	288.5	371.7	307.3	432.1	868.2	958.1	695.1
85°	165.1	183.8	191.9	178.5	197.3	155.7	177.1	307.3	338.2	301.9
87.5°	67.1	99.3	122.1	115.4	72.5	44.3	55.0	89.9	103.3	112.7
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°
2832.7	0°	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7	2832.7
2834.1	2.5°	2835.4	2844.8	2851.5	2859.6	2864.9	2873.0	2889.1	2898.5	2899.8	2906.5
2855.5	5°	2860.9	2874.3	2889.1	2910.6	2934.7	2954.8	2985.7	3007.2	3015.2	3021.9
2907.9	7.5°	2915.9	2934.7	2961.5	2999.1	3034.0	3060.8	3098.4	3123.9	3149.4	3158.8
2991.1	10°	2997.8	3024.6	3063.5	3114.5	3152.1	3187.0	3225.9	3247.4	3272.9	3283.6
3090.4	12.5°	3099.8	3127.9	3178.9	3250.1	3284.9	3309.1	3322.5	3317.1	3322.5	3331.9
3209.8	15°	3216.5	3247.4	3305.1	3381.6	3405.7	3384.2	3354.7	3327.9	3323.9	3326.5
3354.7	17.5°	3354.7	3377.5	3444.6	3509.0	3491.6	3403.0	3338.6	3295.7	3274.2	3267.5
3539.9	20°	3547.9	3547.9	3603.0	3643.2	3526.5	3376.2	3275.5	3205.8	3161.5	3142.7
3792.2	22.5°	3782.8	3761.3	3796.2	3768.0	3519.8	3301.0	3161.5	3040.7	2973.6	2946.8
4145.1	25°	4080.7	4055.2	4045.8	3871.3	3471.5	3181.6	2954.8	2808.6	2749.5	2734.8
4653.7	27.5°	4530.2	4465.8	4343.7	3927.7	3382.9	2993.7	2713.3	2577.8	2544.2	2545.6
5307.2	30°	5128.7	4999.9	4700.6	3937.1	3238.0	2728.1	2466.4	2369.8	2353.7	2360.4
5856.0	32.5°	5682.9	5560.8	5065.6	3894.2	3015.2	2467.7	2245.0	2180.6	2156.4	2164.5
6274.7	35°	6117.7	6084.1	5403.8	3833.8	2741.5	2223.5	2046.4	1991.4	1944.4	1933.7
6669.2	37.5°	6528.3	6514.9	5657.4	3749.2	2470.4	2050.4	1886.7	1814.2	1745.8	1708.2
7105.3	40°	6979.2	6965.7	5823.8	3619.1	2230.2	1900.1	1743.1	1647.8	1563.3	1494.9
7599.1	42.5°	7486.4	7407.2	5903.0	3432.5	2026.2	1772.6	1626.4	1497.5	1386.2	1323.1
8157.3	45°	8040.6	7862.1	5901.6	3195.0	1854.5	1655.9	1501.6	1319.1	1215.7	1156.7
8730.3	47.5°	8628.3	8296.9	5829.2	2932.0	1688.1	1527.1	1308.3	1168.8	1100.3	1064.1
9353.0	50°	9234.9	8703.5	5705.7	2630.1	1517.7	1380.8	1187.6	1092.3	1040.0	1006.4
9970.2	52.5°	9805.2	9072.5	5556.8	2287.9	1344.6	1238.6	1133.9	1060.1	1005.1	967.5
10568.7	55°	10335.2	9390.5	5346.1	1937.7	1203.7	1143.3	1108.4	1046.7	983.6	939.3
11176.6	57.5°	10806.2	9597.2	4982.4	1608.9	1103.0	1077.5	1081.6	1023.9	951.4	913.8
11775.1	60°	11198.0	9748.8	4444.3	1304.3	1021.2	1013.1	1040.0	980.9	896.4	853.4
12281.0	62.5°	11432.9	9746.1	3784.1	1068.1	951.4	954.1	984.9	927.2	841.4	801.1
12545.3	65°	11412.7	9507.3	3059.5	913.8	884.3	887.0	927.2	868.2	795.7	771.6
12412.5	67.5°	11008.8	8924.9	2347.0	813.2	810.5	822.6	869.5	827.9	767.6	764.9
11620.7	70°	9915.2	7715.9	1690.8	732.7	734.0	751.5	813.2	802.4	752.8	758.2
9770.3	72.5°	7950.7	5882.8	1135.2	648.1	649.5	677.7	759.5	782.3	738.0	809.2
6932.2	75°	5295.1	3668.7	730.0	558.2	559.6	595.8	712.5	743.4	697.8	806.5
3607.0	77.5°	2544.2	1649.2	528.7	469.7	469.7	503.2	615.9	665.6	594.5	626.7
1159.4	80°	878.9	620.0	416.0	378.4	370.4	393.2	519.3	577.0	512.6	472.3
378.4	82.5°	346.2	322.1	334.1	293.9	267.0	281.8	403.9	476.4	377.1	340.8
213.4	85°	198.6	209.3	236.2	194.6	154.3	173.1	296.6	342.2	284.5	250.9
69.8	87.5°	53.7	73.8	108.7	100.6	69.8	73.8	140.9	189.2	163.7	126.1
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>
2832.7
2905.2
3020.6
3160.1
3289.0
3334.6
3335.9
3276.9
3138.7
2942.8
2737.4
2549.6
2383.2
2175.2
1941.7
1709.6
1501.6
1327.1
1154.0
1056.1
994.3
951.4
921.9
889.7
834.7
789.0
770.2
768.9
756.8
819.9
813.2
574.3
442.8
339.5
256.3
130.2
0.0

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