

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: P852599

Luminaire Tested: **GLAN-SB5A-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852599
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-SB5A-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 21977 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

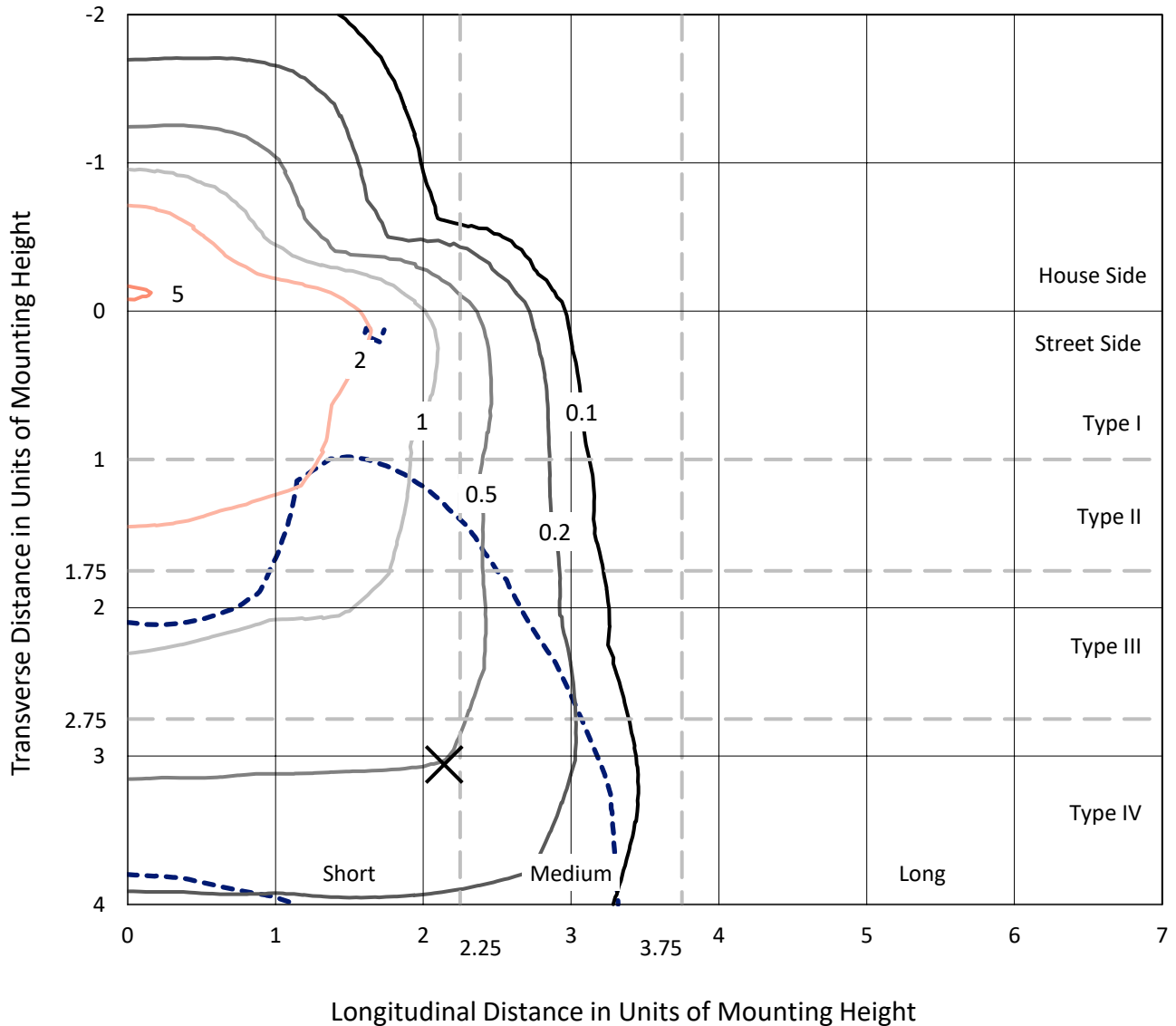
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

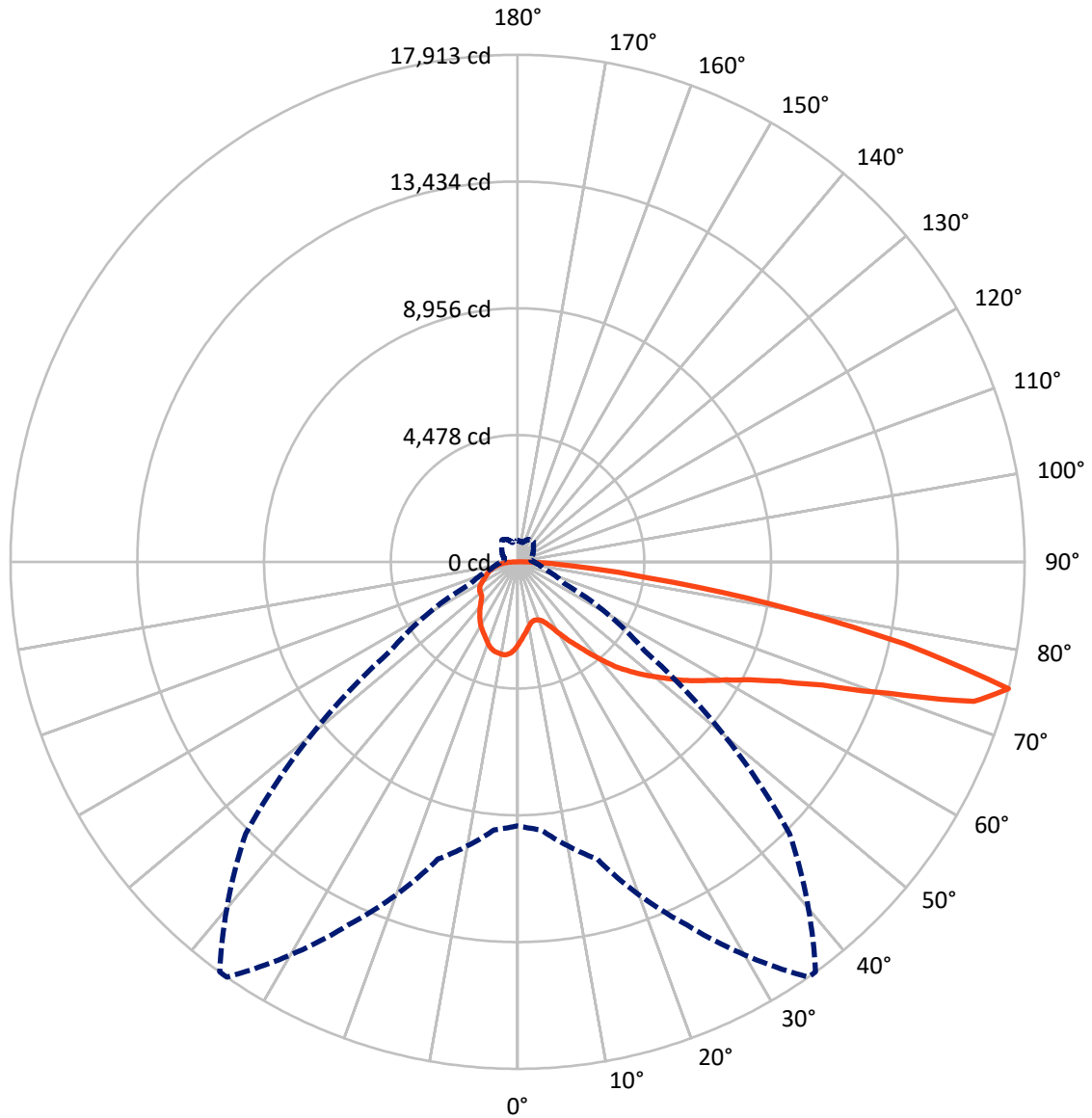
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	5230.0	0.0	5230.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16747.0	0.0	16747.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	21977.0	0.0	21977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	277.3	1.3
10°-20°	799.8	3.6
20°-30°	1343.1	6.1
30°-40°	2087.3	9.5
40°-50°	3098.1	14.1
50°-60°	4277.1	19.5
60°-70°	5189.1	23.6
70°-80°	4288.4	19.5
80°-90°	616.8	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°	21977.0	100.0
0°-180°	21977.0	100.0

Coefficient of Utilization

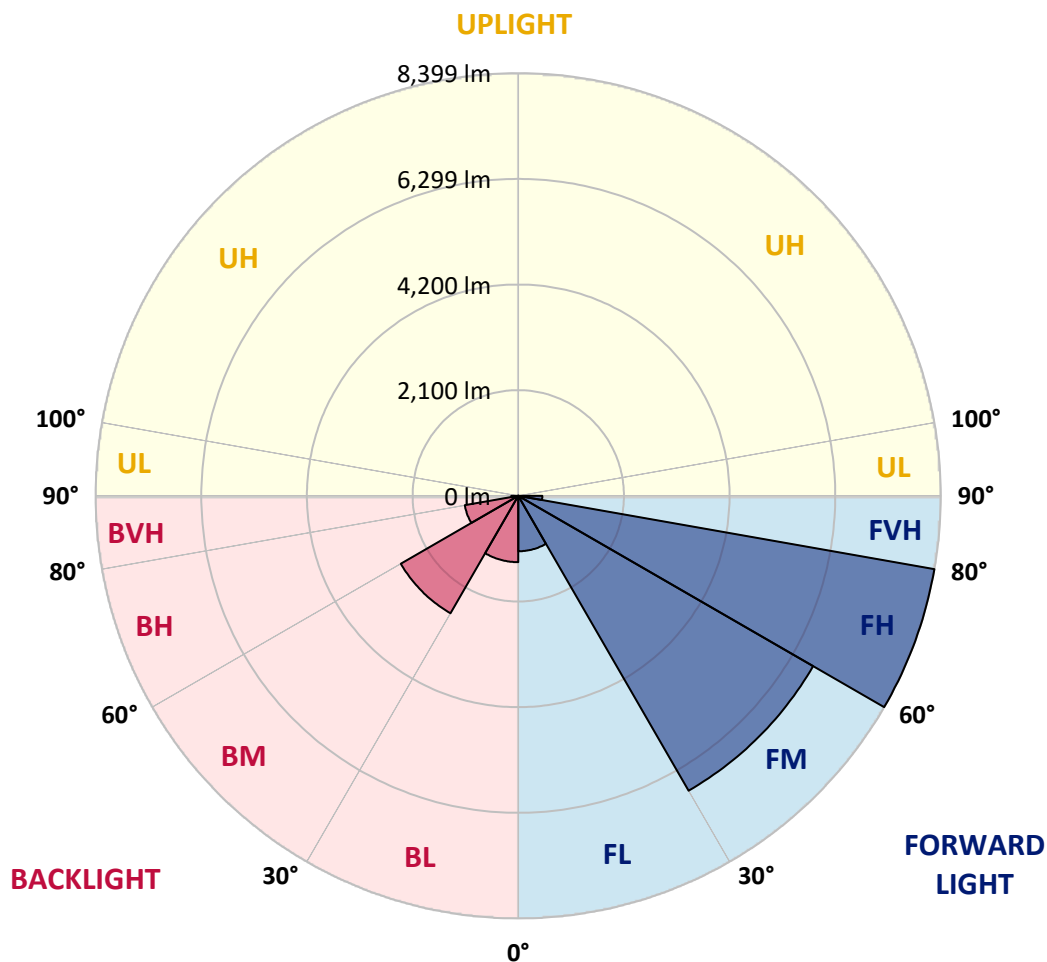


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1102.1	5.0			
FM (30°-60°)	6767.7	30.8			
FH (60°-80°)	8399.3	38.2			G4/12000
FVH (80°-90°)	477.9	2.2			G3/500
BL (0°-30°)	1318.0	6.0	B3/2500		
BM (30°-60°)	2694.8	12.3	B3/5000		
BH (60°-80°)	1078.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	138.9	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°	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6
2.5°	2700.5	2717.1	2724.2	2720.7	2738.5	2736.1	2761.1	2792.0	2834.7	2876.3
5°	2492.6	2510.4	2525.8	2540.1	2574.5	2585.2	2624.4	2683.8	2762.3	2841.9
7.5°	2298.9	2314.4	2338.1	2364.3	2422.5	2433.2	2498.5	2591.2	2700.5	2816.9
10°	2140.9	2156.3	2181.3	2211.0	2283.5	2296.5	2379.7	2503.3	2645.8	2793.1
12.5°	2073.2	2077.9	2092.2	2121.9	2184.9	2193.2	2284.7	2426.0	2592.4	2775.3
15°	2069.6	2079.1	2080.3	2095.7	2148.0	2151.6	2235.9	2376.1	2559.1	2771.8
17.5°	2105.3	2112.4	2101.7	2111.2	2155.2	2161.1	2227.6	2352.4	2548.4	2787.2
20°	2200.3	2206.2	2174.2	2161.1	2193.2	2197.9	2263.3	2367.8	2559.1	2819.3
22.5°	2402.3	2405.8	2327.4	2274.0	2276.3	2278.7	2335.7	2430.8	2600.7	2877.5
25°	2717.1	2714.7	2590.0	2486.6	2427.2	2414.2	2452.2	2533.0	2670.8	2954.7
27.5°	3085.4	3067.6	2942.8	2788.4	2658.9	2639.9	2631.6	2666.0	2770.6	3056.9
30°	3501.2	3484.6	3350.3	3148.4	2969.0	2938.1	2859.7	2841.9	2919.1	3195.9
32.5°	3957.4	3946.8	3786.4	3541.6	3301.6	3266.0	3134.1	3086.6	3147.2	3406.2
35°	4340.0	4330.5	4197.4	3945.6	3652.1	3608.2	3473.9	3420.4	3451.3	3675.9
37.5°	4685.7	4681.0	4566.9	4368.5	4065.6	4012.1	3861.2	3843.4	3837.5	4031.1
40°	5006.5	4994.6	4875.8	4771.3	4546.7	4498.0	4365.0	4349.5	4304.4	4468.3
42.5°	5361.7	5330.9	5158.6	5109.9	5049.3	5008.9	4929.3	4931.7	4831.9	4961.4
45°	5651.6	5633.8	5456.8	5428.3	5493.6	5477.0	5545.9	5563.7	5370.1	5478.2
47.5°	5962.9	5946.3	5796.6	5776.4	5953.4	5958.2	6201.7	6207.6	5895.2	6015.2
50°	6346.7	6322.9	6174.4	6199.3	6397.7	6415.6	6861.1	6820.7	6378.7	6560.5
52.5°	6599.7	6614.0	6581.9	6622.3	6893.2	6909.8	7509.8	7406.4	6857.5	7098.7
55°	6786.2	6814.7	6914.5	7007.2	7415.9	7432.5	8121.6	7963.6	7254.3	7597.7
57.5°	7026.2	6985.8	7172.4	7352.9	7912.5	7956.5	8716.8	8500.6	7606.0	8027.8
60°	7370.8	7342.3	7487.2	7754.5	8468.5	8538.6	9346.5	8984.2	7863.8	8368.7
62.5°	8069.3	7998.1	8020.6	8257.1	9169.5	9262.2	10057.0	9405.9	7992.1	8501.8
65°	9113.7	8991.3	8877.2	9041.2	10156.8	10248.3	10858.9	9737.4	7944.6	8244.0
67.5°	10428.8	10307.7	10167.5	10321.9	11611.0	11683.4	11848.6	9923.9	7570.4	7250.8
70°	11513.6	11468.4	11635.9	12271.5	13933.6	13936.0	13117.4	9769.5	6545.1	5140.8
72.5°	11369.8	11342.5	12225.2	14190.3	16861.0	16798.1	14318.6	8600.4	4408.9	2319.1
75°	9327.5	9504.5	10872.0	14155.8	17912.5	17904.2	13583.2	5467.5	1823.7	961.1
77.5°	5001.8	5282.1	7058.3	10451.4	13983.5	14193.8	9549.7	1912.8	782.9	615.4
80°	1631.2	1876.0	2813.3	5321.3	9086.3	9047.1	4092.9	750.9	535.8	436.0
82.5°	692.6	721.2	1257.0	2512.8	4663.2	4590.7	1303.3	431.3	376.6	298.2
85°	270.9	303.0	554.8	1161.9	2019.7	1975.8	470.5	213.9	241.2	194.8
87.5°	89.1	108.1	198.4	398.0	628.5	605.9	115.2	73.7	104.5	89.1
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°
2928.6	0°	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6	2928.6
2936.9	2.5°	2953.5	2972.5	2995.1	3028.4	3056.9	3080.7	3105.6	3121.1	3127.0	3144.8
2941.7	5°	2974.9	3016.5	3072.3	3127.0	3180.5	3212.5	3241.0	3255.3	3268.4	3277.9
2954.7	7.5°	3010.6	3064.0	3151.9	3223.2	3268.4	3294.5	3313.5	3308.8	3313.5	3315.9
2969.0	10°	3041.5	3116.3	3220.8	3288.6	3323.0	3324.2	3319.5	3302.8	3294.5	3295.7
2990.4	12.5°	3078.3	3161.4	3274.3	3331.3	3340.8	3314.7	3294.5	3266.0	3255.3	3250.5
3022.4	15°	3128.2	3223.2	3332.5	3353.9	3330.2	3296.9	3262.4	3216.1	3192.3	3173.3
3077.1	17.5°	3188.8	3293.3	3377.7	3362.2	3311.1	3256.5	3200.7	3130.6	3081.8	3061.6
3151.9	20°	3273.1	3367.0	3412.1	3344.4	3267.2	3184.0	3089.0	3003.4	2958.3	2938.1
3247.0	22.5°	3375.3	3465.6	3445.4	3313.5	3204.2	3071.2	2952.3	2889.4	2866.8	2852.5
3369.4	25°	3497.7	3574.9	3469.2	3268.4	3100.9	2921.5	2830.0	2809.8	2799.1	2788.4
3519.1	27.5°	3656.9	3698.5	3487.0	3201.8	2939.3	2762.3	2729.0	2732.6	2729.0	2711.2
3727.0	30°	3867.2	3858.8	3503.6	3093.7	2753.9	2618.5	2620.9	2636.3	2638.7	2626.8
4016.9	32.5°	4144.0	4059.6	3511.9	2953.5	2576.9	2492.6	2494.9	2511.6	2523.5	2503.3
4395.8	35°	4479.0	4293.7	3498.9	2777.7	2440.3	2372.6	2354.7	2359.5	2363.1	2344.1
4855.6	37.5°	4869.9	4556.2	3440.6	2582.9	2327.4	2255.0	2216.9	2184.9	2165.8	2148.0
5376.0	40°	5298.8	4842.6	3333.7	2392.8	2201.5	2130.2	2073.2	2012.6	1948.4	1924.7
5927.3	42.5°	5747.9	5137.2	3204.2	2211.0	2056.5	1998.3	1937.7	1849.8	1753.6	1704.9
6499.9	45°	6213.6	5439.0	3077.1	2031.6	1908.0	1883.1	1813.0	1707.3	1602.7	1540.9
7073.7	47.5°	6669.8	5724.1	2890.6	1851.0	1769.0	1796.4	1741.7	1644.3	1527.9	1430.4
7642.8	50°	7105.8	5991.4	2585.2	1668.0	1656.2	1770.2	1717.9	1577.8	1444.7	1319.9
8201.2	52.5°	7538.3	6207.6	2194.4	1501.7	1595.6	1763.1	1687.1	1532.6	1369.8	1239.2
8726.3	55°	7905.4	6319.3	1817.7	1359.1	1507.7	1702.5	1650.2	1479.1	1264.1	1125.1
9086.3	57.5°	8114.5	6229.0	1504.1	1219.0	1386.5	1602.7	1587.3	1365.1	1138.2	1031.2
9156.4	60°	8024.2	5863.1	1247.5	1096.6	1271.2	1494.6	1478.0	1252.2	1041.9	940.9
8781.0	62.5°	7526.4	5165.7	1044.3	989.7	1166.7	1384.1	1368.7	1165.5	968.3	870.9
7784.2	65°	6523.7	4202.2	886.3	900.6	1060.9	1251.0	1273.6	1093.0	910.1	815.0
6022.3	67.5°	4975.6	3043.8	762.7	823.3	957.6	1120.3	1185.7	1040.7	861.3	771.1
3484.6	70°	2835.9	1728.6	658.2	748.5	866.1	999.2	1118.0	999.2	809.1	734.2
1305.7	72.5°	1075.2	793.6	569.1	673.6	778.2	897.0	1043.1	933.8	748.5	692.6
674.8	75°	573.8	483.5	478.8	585.7	677.2	797.2	949.3	869.7	703.3	731.8
466.9	77.5°	390.9	342.2	400.4	501.4	566.7	686.7	849.5	772.2	609.5	607.1
323.2	80°	270.9	242.4	325.5	403.9	438.4	577.4	741.4	662.9	496.6	463.3
199.6	82.5°	162.8	158.0	243.6	301.8	310.1	445.5	614.2	556.0	406.3	354.0
118.8	85°	89.1	93.9	155.6	177.0	180.6	311.3	481.2	430.1	312.5	262.6
42.8	87.5°	24.9	32.1	57.0	70.1	86.7	161.6	286.3	255.4	156.8	109.3
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>
2928.6
3143.6
3280.3
3319.5
3298.1
3248.2
3179.3
3062.8
2935.7
2854.9
2788.4
2714.7
2632.8
2512.8
2357.1
2159.9
1935.4
1710.8
1536.2
1419.7
1309.2
1224.9
1113.2
1017.0
926.7
855.4
799.6
756.8
724.7
683.1
755.6
559.6
443.1
356.4
264.9
109.3
0.0

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