

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: P852529

Luminaire Tested: **GLAN-SB4C-730-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852529
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-SB4C-730-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28656 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

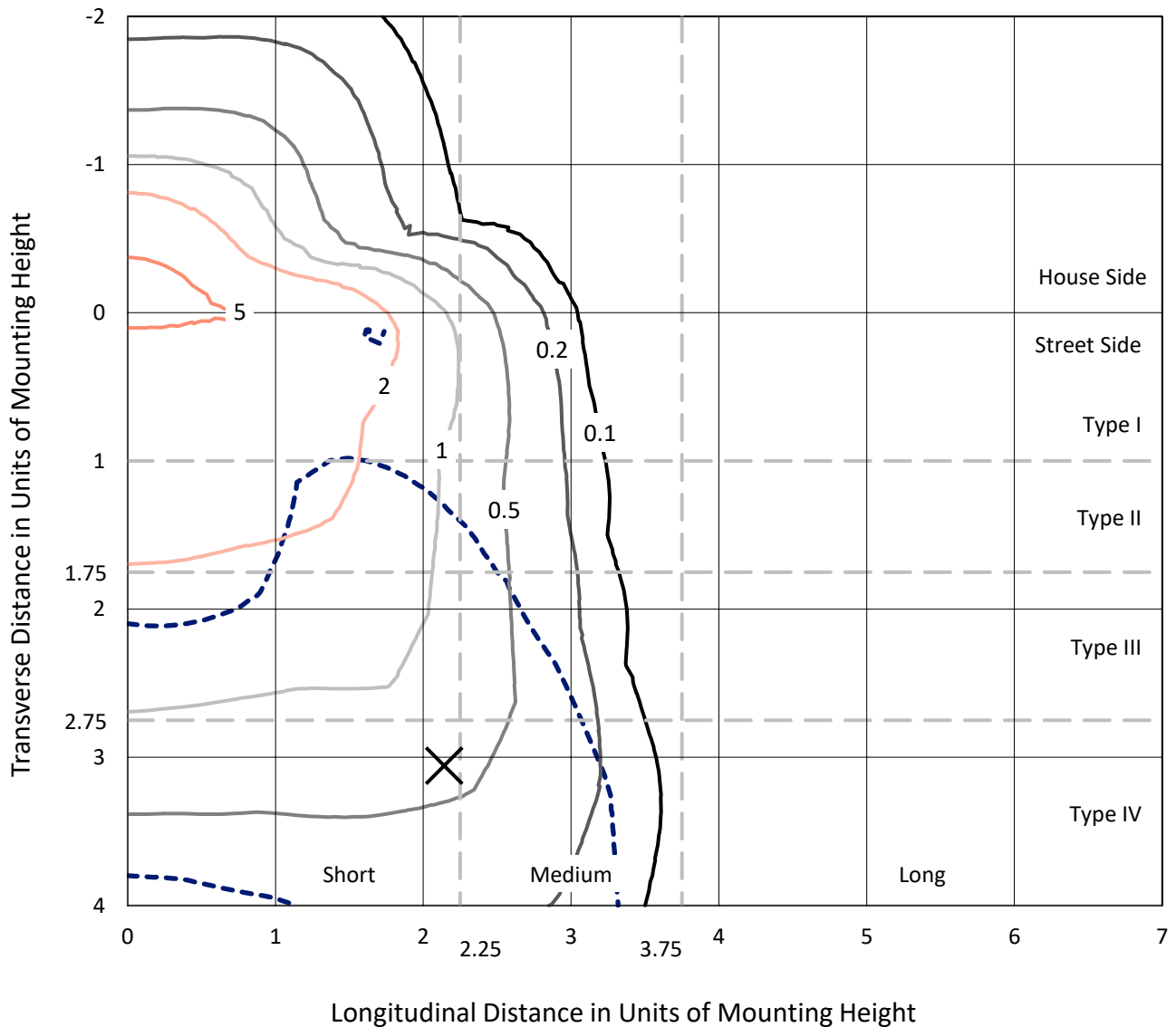
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

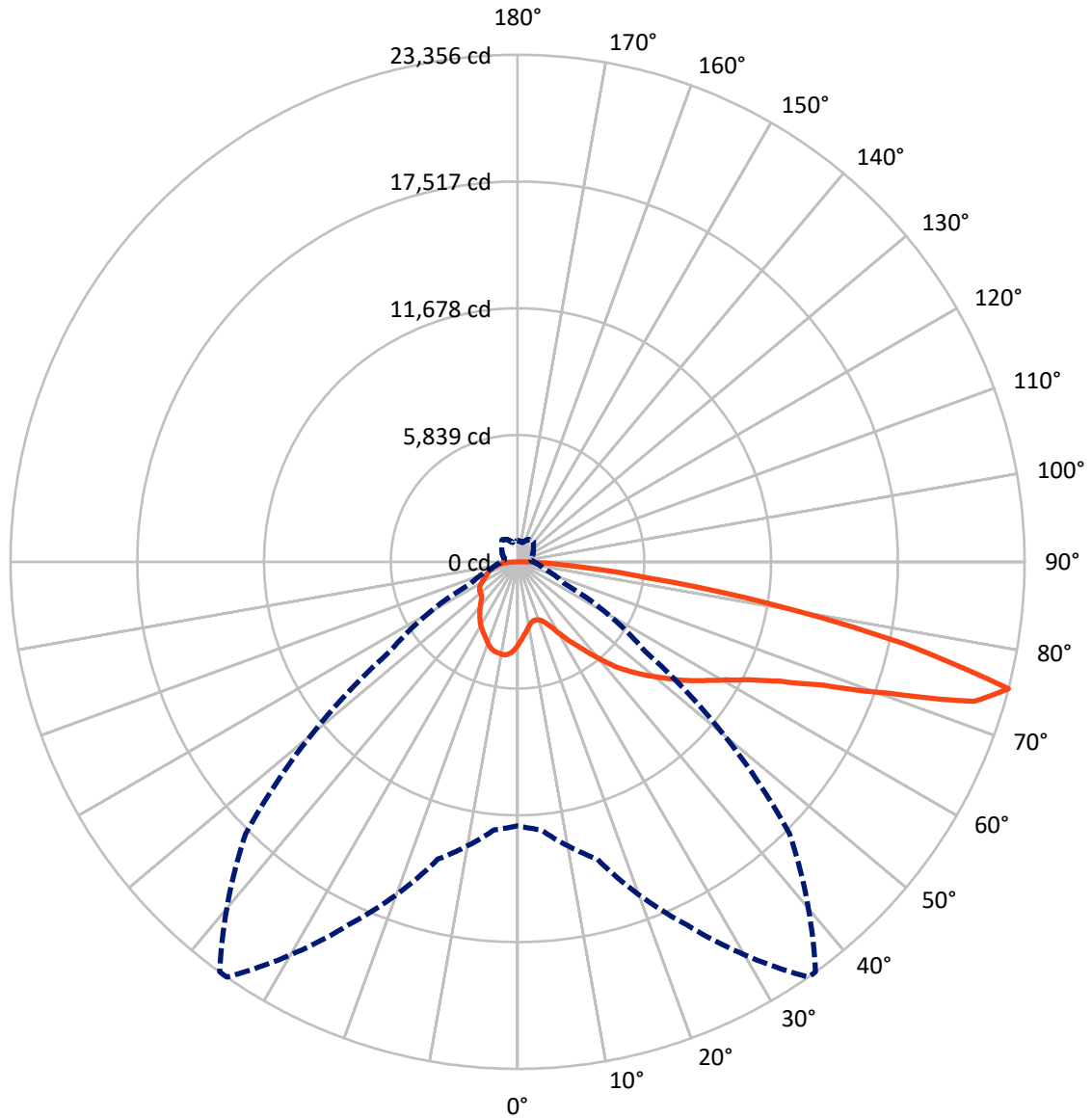
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	6819.4	0.0	6819.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	21836.6	0.0	21836.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	28656.0	0.0	28656.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.5	1.3
10°-20°	1042.9	3.6
20°-30°	1751.2	6.1
30°-40°	2721.6	9.5
40°-50°	4039.6	14.1
50°-60°	5577.0	19.5
60°-70°	6766.1	23.6
70°-80°	5591.7	19.5
80°-90°	804.3	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°	28656.0	100.0
0°-180°	28656.0	100.0

Coefficient of Utilization

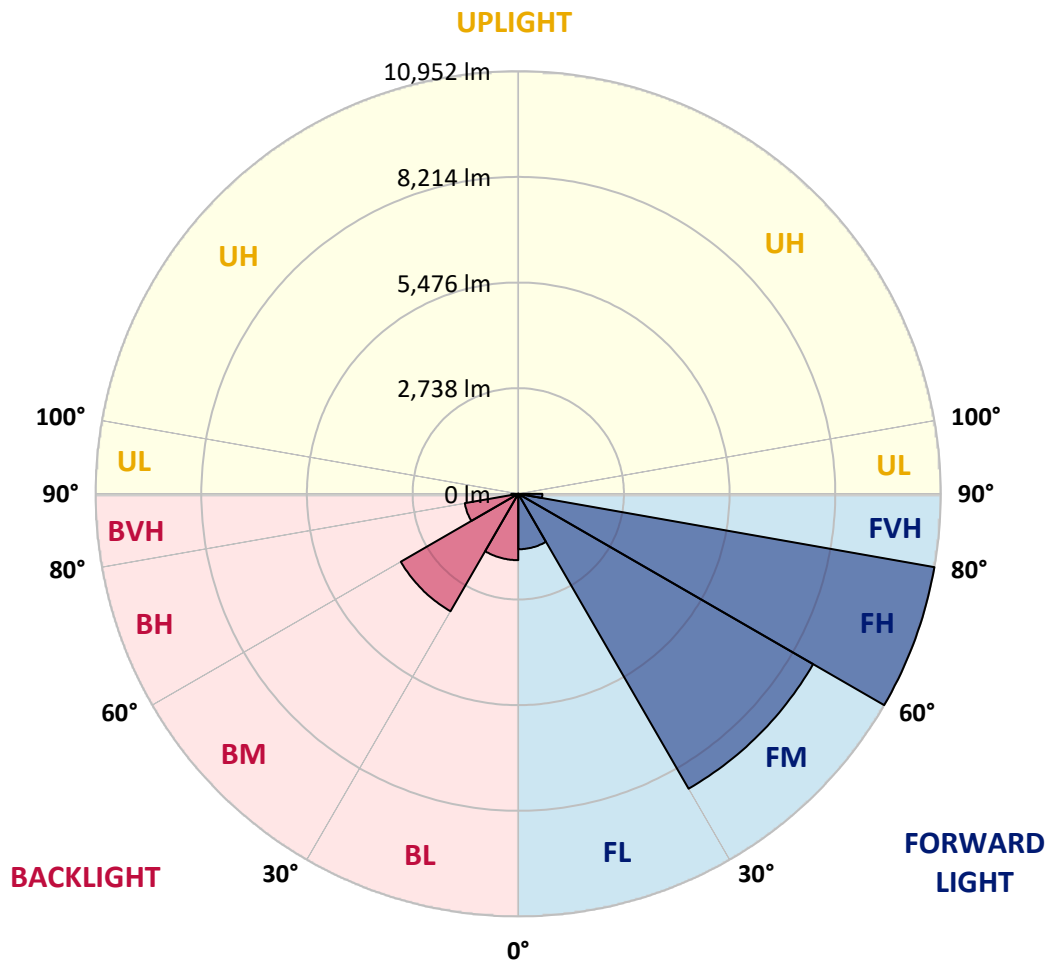


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1437.0	5.0			
FM (30°-60°)	8824.5	30.8			
FH (60°-80°)	10951.9	38.2			G4/12000
FVH (80°-90°)	623.2	2.2			G4/750
BL (0°-30°)	1718.6	6.0	B3/2500		
BM (30°-60°)	3513.8	12.3	B3/5000		
BH (60°-80°)	1405.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	181.1	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°	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6
2.5°	3521.2	3542.9	3552.2	3547.5	3570.7	3567.6	3600.2	3640.5	3696.2	3750.4
5°	3250.1	3273.3	3293.5	3312.0	3357.0	3370.9	3422.0	3499.5	3601.7	3705.5
7.5°	2997.6	3017.7	3048.7	3082.8	3158.7	3172.6	3257.8	3378.7	3521.2	3673.0
10°	2791.5	2811.7	2844.2	2882.9	2977.4	2994.5	3102.9	3264.0	3449.9	3642.0
12.5°	2703.2	2709.4	2728.0	2766.7	2848.9	2859.7	2979.0	3163.3	3380.2	3618.8
15°	2698.6	2711.0	2712.5	2732.7	2800.8	2805.5	2915.5	3098.3	3336.8	3614.1
17.5°	2745.1	2754.4	2740.4	2752.8	2810.1	2817.9	2904.6	3067.3	3322.9	3634.3
20°	2869.0	2876.7	2834.9	2817.9	2859.7	2865.9	2951.1	3087.4	3336.8	3676.1
22.5°	3132.3	3137.0	3034.7	2965.0	2968.1	2971.2	3045.6	3169.5	3391.0	3752.0
25°	3542.9	3539.8	3377.1	3242.3	3164.9	3147.8	3197.4	3302.7	3482.4	3852.7
27.5°	4023.1	3999.9	3837.2	3635.8	3467.0	3442.2	3431.3	3476.2	3612.6	3985.9
30°	4565.3	4543.6	4368.5	4105.2	3871.3	3831.0	3728.8	3705.5	3806.2	4167.2
32.5°	5160.2	5146.2	4937.1	4618.0	4305.0	4258.6	4086.6	4024.6	4103.6	4441.4
35°	5659.0	5646.6	5473.1	5144.7	4762.0	4704.7	4529.7	4459.9	4500.2	4793.0
37.5°	6109.8	6103.6	5954.9	5696.2	5301.1	5231.4	5034.7	5011.4	5003.7	5256.2
40°	6528.0	6512.5	6357.6	6221.3	5928.5	5865.0	5691.5	5671.4	5612.5	5826.3
42.5°	6991.2	6950.9	6726.3	6662.8	6583.8	6531.1	6427.3	6430.4	6300.3	6469.2
45°	7369.2	7346.0	7115.2	7078.0	7163.2	7141.5	7231.3	7254.6	7002.1	7143.0
47.5°	7775.1	7753.4	7558.2	7531.9	7762.7	7768.9	8086.5	8094.2	7686.8	7843.2
50°	8275.5	8244.5	8050.8	8083.4	8342.1	8365.3	8946.2	8893.6	8317.3	8554.3
52.5°	8605.4	8624.0	8582.2	8634.9	8988.1	9009.7	9792.1	9657.3	8941.6	9256.1
55°	8848.6	8885.8	9015.9	9136.8	9669.7	9691.4	10589.9	10383.8	9459.0	9906.7
57.5°	9161.6	9108.9	9352.1	9587.6	10317.2	10374.5	11366.0	11084.0	9917.5	10467.5
60°	9610.8	9573.6	9762.6	10111.2	11042.2	11133.6	12187.0	11714.5	10253.7	10912.1
62.5°	10521.7	10428.7	10458.2	10766.5	11956.2	12077.0	13113.4	12264.5	10421.0	11085.6
65°	11883.4	11723.8	11575.1	11788.9	13243.5	13362.8	14159.0	12696.7	10359.0	10749.4
67.5°	13598.3	13440.3	13257.5	13458.8	15139.6	15234.1	15449.5	12939.9	9871.1	9454.3
70°	15012.6	14953.8	15172.2	16001.0	18168.2	18171.3	17103.9	12738.5	8534.2	6703.1
72.5°	14825.2	14789.5	15940.5	18502.8	21985.3	21903.2	18670.1	11214.2	5748.8	3023.9
75°	12162.2	12393.0	14176.1	18457.9	23356.2	23345.4	17711.2	7129.1	2377.9	1253.2
77.5°	6521.8	6887.4	9203.4	13627.7	18233.3	18507.5	12451.9	2494.1	1020.9	802.4
80°	2127.0	2446.1	3668.3	6938.6	11847.7	11796.6	5336.8	979.1	698.7	568.5
82.5°	903.1	940.3	1639.0	3276.4	6080.3	5985.8	1699.4	562.3	491.1	388.8
85°	353.2	395.0	723.4	1515.0	2633.5	2576.2	613.5	278.8	314.5	254.1
87.5°	116.2	141.0	258.7	519.0	819.5	790.1	150.3	96.0	136.3	116.2
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°
3818.6	0°	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6	3818.6
3829.4	2.5°	3851.1	3875.9	3905.4	3948.7	3985.9	4016.9	4049.4	4069.6	4077.3	4100.5
3835.6	5°	3879.0	3933.2	4006.1	4077.3	4147.0	4188.8	4226.0	4244.6	4261.7	4274.1
3852.7	7.5°	3925.5	3995.2	4109.8	4202.8	4261.7	4295.7	4320.5	4314.3	4320.5	4323.6
3871.3	10°	3965.8	4063.4	4199.7	4288.0	4332.9	4334.5	4328.3	4306.6	4295.7	4297.3
3899.2	12.5°	4013.8	4122.2	4269.4	4343.8	4356.2	4322.1	4295.7	4258.6	4244.6	4238.4
3941.0	15°	4078.9	4202.8	4345.3	4373.2	4342.2	4298.8	4253.9	4193.5	4162.5	4137.7
4012.2	17.5°	4157.9	4294.2	4404.2	4384.0	4317.4	4246.2	4173.4	4082.0	4018.4	3992.1
4109.8	20°	4267.9	4390.2	4449.1	4360.8	4260.1	4151.7	4027.7	3916.2	3857.3	3831.0
4233.8	22.5°	4401.1	4518.8	4492.5	4320.5	4178.0	4004.5	3849.6	3767.5	3738.1	3719.5
4393.3	25°	4560.6	4661.3	4523.5	4261.7	4043.2	3809.3	3690.0	3663.7	3649.8	3635.8
4588.5	27.5°	4768.2	4822.4	4546.7	4174.9	3832.5	3601.7	3558.4	3563.0	3558.4	3535.1
4859.6	30°	5042.4	5031.6	4568.4	4033.9	3590.9	3414.3	3417.4	3437.5	3440.6	3425.1
5237.6	32.5°	5403.4	5293.4	4579.2	3851.1	3360.1	3250.1	3253.2	3274.9	3290.4	3264.0
5731.8	35°	5840.2	5598.6	4562.2	3621.9	3181.9	3093.6	3070.4	3076.6	3081.2	3056.4
6331.3	37.5°	6349.9	5940.9	4486.3	3367.8	3034.7	2940.2	2890.7	2848.9	2824.1	2800.8
7009.8	40°	6909.1	6314.3	4346.9	3119.9	2870.5	2777.6	2703.2	2624.2	2540.6	2509.6
7728.6	42.5°	7494.7	6698.4	4178.0	2882.9	2681.5	2605.6	2526.6	2412.0	2286.5	2223.0
8475.3	45°	8102.0	7091.9	4012.2	2649.0	2487.9	2455.4	2364.0	2226.1	2089.8	2009.2
9223.5	47.5°	8696.8	7463.7	3769.0	2413.5	2306.7	2342.3	2271.0	2144.0	1992.2	1865.2
9965.6	50°	9265.3	7812.3	3370.9	2175.0	2159.5	2308.2	2240.0	2057.2	1883.7	1721.1
10693.6	52.5°	9829.2	8094.2	2861.2	1958.1	2080.5	2298.9	2199.8	1998.4	1786.1	1615.7
11378.4	55°	10307.9	8239.8	2370.2	1772.2	1965.8	2219.9	2151.7	1928.7	1648.3	1467.0
11847.7	57.5°	10580.6	8122.1	1961.2	1589.4	1807.8	2089.8	2069.6	1780.0	1484.1	1344.6
11939.1	60°	10462.8	7645.0	1626.6	1429.8	1657.6	1948.8	1927.1	1632.8	1358.6	1226.9
11449.6	62.5°	9813.7	6735.6	1361.7	1290.4	1521.2	1804.7	1784.6	1519.7	1262.5	1135.5
10149.9	65°	8506.3	5479.3	1155.7	1174.2	1383.4	1631.2	1660.7	1425.2	1186.6	1062.7
7852.5	67.5°	6487.8	3968.9	994.5	1073.5	1248.6	1460.8	1546.0	1357.0	1123.1	1005.4
4543.6	70°	3697.8	2254.0	858.2	976.0	1129.3	1302.8	1457.7	1302.8	1055.0	957.4
1702.5	72.5°	1402.0	1034.8	742.0	878.4	1014.7	1169.6	1360.1	1217.6	976.0	903.1
879.9	75°	748.2	630.5	624.3	763.7	883.0	1039.5	1237.8	1134.0	917.1	954.3
608.8	77.5°	509.7	446.1	522.1	653.7	738.9	895.4	1107.6	1006.9	794.7	791.6
421.4	80°	353.2	316.0	424.5	526.7	571.6	752.9	966.7	864.4	647.5	604.2
260.3	82.5°	212.2	206.0	317.6	393.5	404.3	580.9	800.9	725.0	529.8	461.6
154.9	85°	116.2	122.4	202.9	230.8	235.5	405.9	627.4	560.8	407.4	342.4
55.8	87.5°	32.5	41.8	74.4	91.4	113.1	210.7	373.3	333.1	204.5	142.5
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>
3818.6
4099.0
4277.1
4328.3
4300.4
4235.3
4145.5
3993.7
3827.9
3722.6
3635.8
3539.8
3432.9
3276.4
3073.5
2816.3
2523.5
2230.7
2003.0
1851.2
1707.1
1597.2
1451.5
1326.1
1208.3
1115.4
1042.6
986.8
945.0
890.7
985.2
729.6
577.8
464.7
345.5
142.5
0.0

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