

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: P849176

Luminaire Tested: **GLAN-SB6A-830-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-830-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23143 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

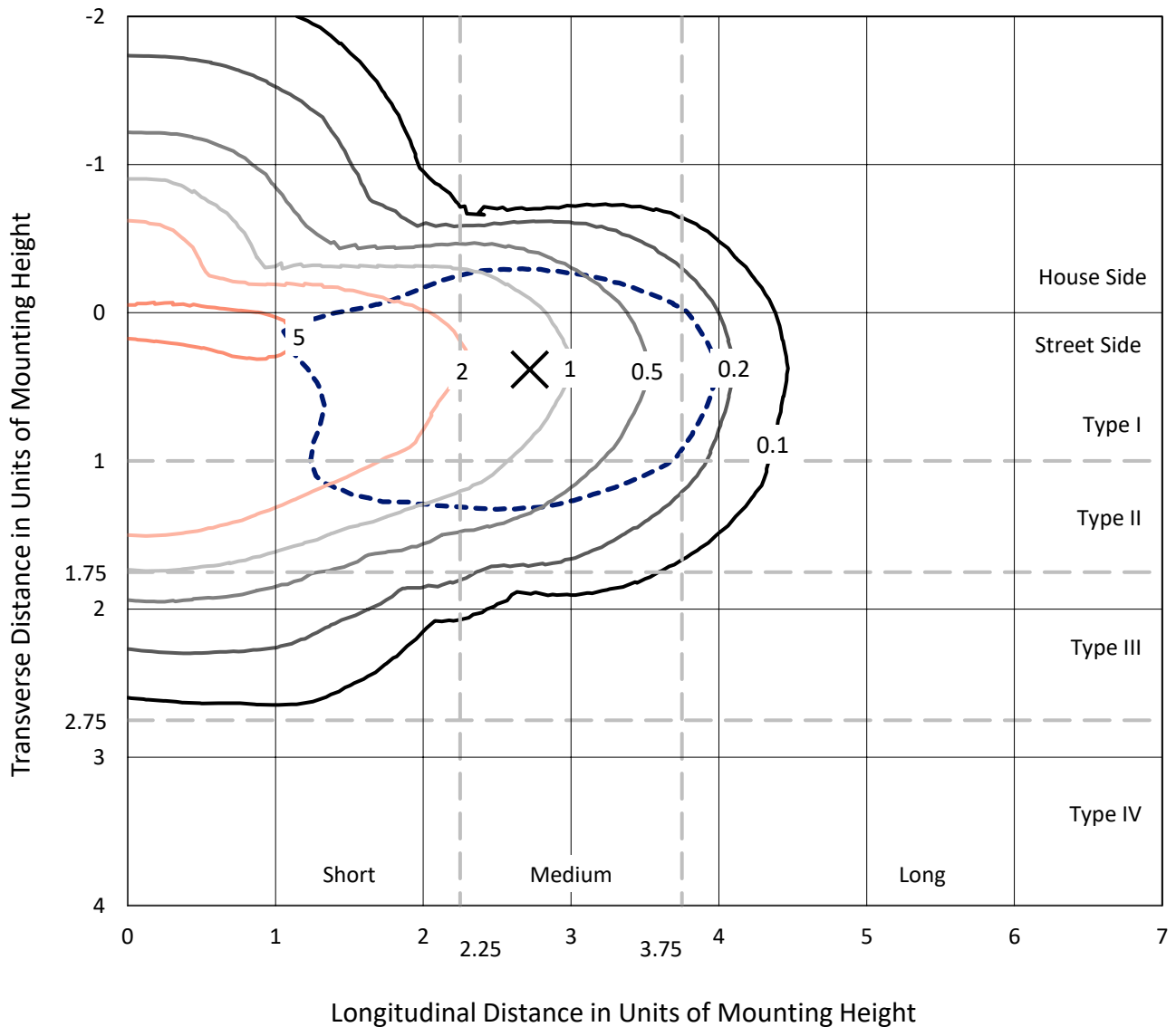
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

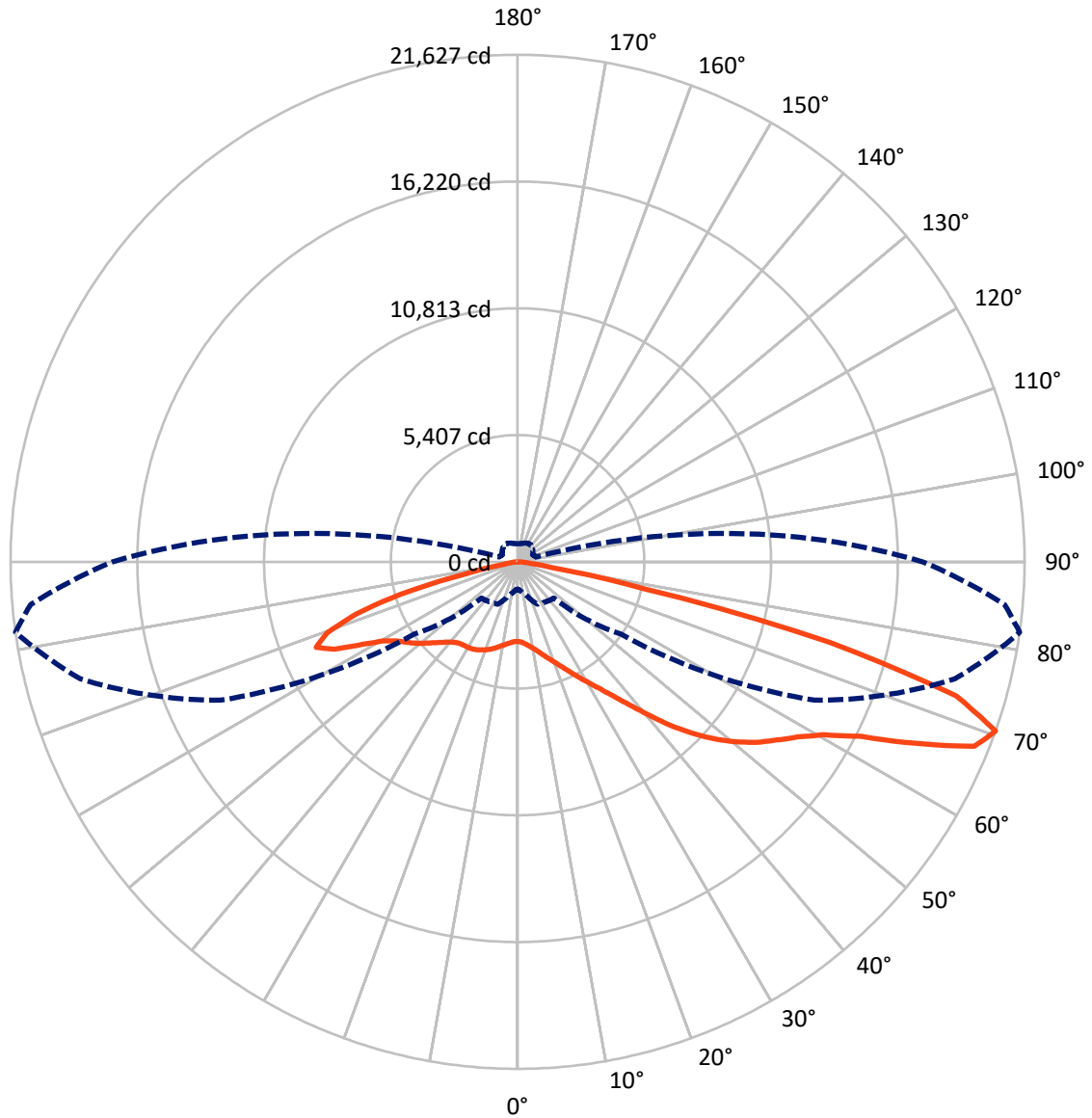
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5705.3	0.0	5705.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	17437.7	0.0	17437.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	23143.0	0.0	23143.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	320.4	1.4
10°-20°	920.4	4.0
20°-30°	1539.8	6.7
30°-40°	2405.5	10.4
40°-50°	3831.1	16.6
50°-60°	5331.4	23.0
60°-70°	5576.9	24.1
70°-80°	2914.8	12.6
80°-90°	302.7	1.3
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°	23143.0	100.0
0°-180°	23143.0	100.0

Coefficient of Utilization

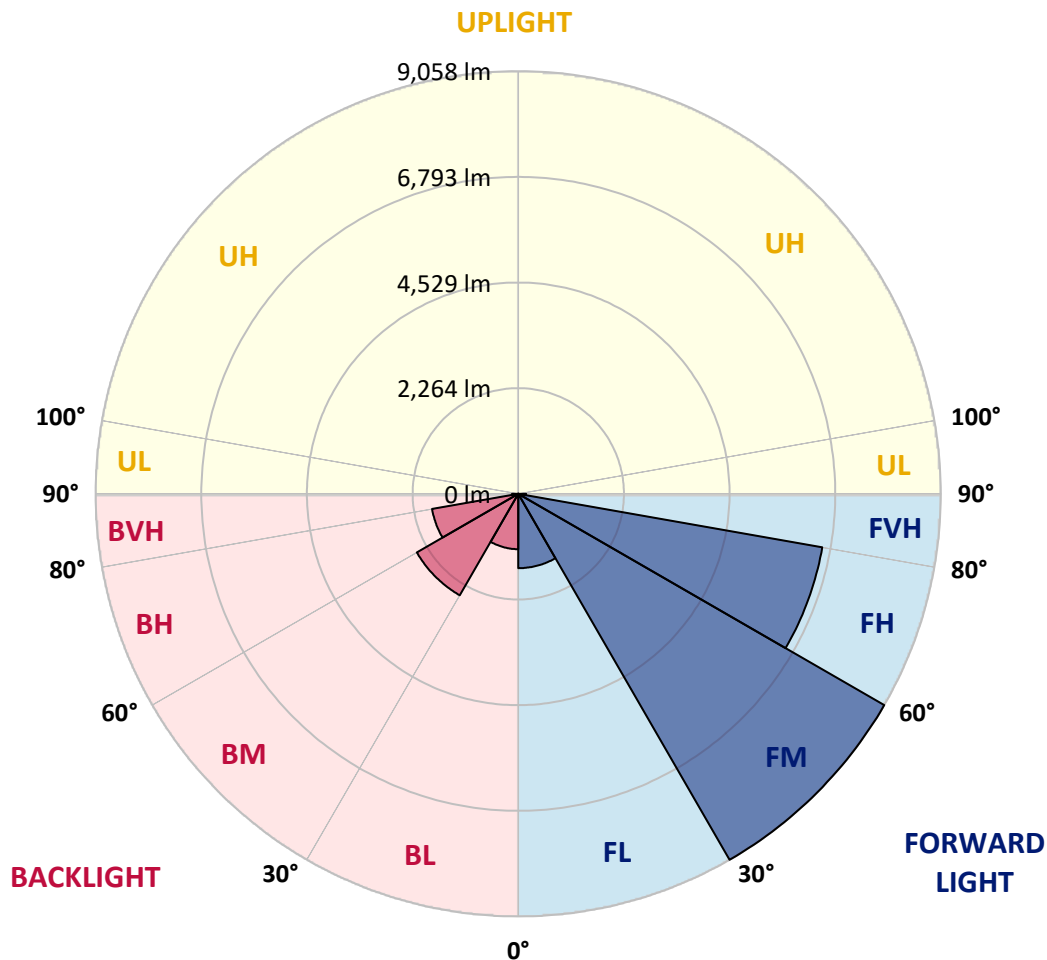


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1593.7	6.9			
FM (30°-60°)	9057.9	39.1			
FH (60°-80°)	6616.7	28.6			G3/7500
FVH (80°-90°)	169.4	0.7			G2/225
BL (0°-30°)	1186.9	5.1	B3/2500		
BM (30°-60°)	2510.1	10.8	B3/5000		
BH (60°-80°)	1875.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	133.2	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-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1
2.5°	3474.1	3493.8	3487.6	3481.5	3481.5	3472.9	3471.6	3459.4	3449.5	3433.6
5°	3518.3	3539.2	3536.7	3541.6	3557.6	3561.3	3565.0	3557.6	3538.0	3518.3
7.5°	3479.0	3502.3	3509.7	3539.2	3588.3	3632.5	3665.7	3679.2	3660.8	3632.5
10°	3346.4	3372.2	3398.0	3468.0	3555.2	3659.5	3748.0	3800.8	3797.1	3770.1
12.5°	3077.4	3104.5	3159.7	3296.0	3455.7	3639.9	3804.4	3915.0	3953.0	3933.4
15°	2862.5	2885.9	2927.6	3067.6	3275.2	3555.2	3825.3	4040.2	4137.2	4126.2
17.5°	2856.4	2866.2	2892.0	2958.3	3118.0	3422.5	3803.2	4163.0	4348.5	4347.2
20°	2964.5	2968.2	2982.9	2996.4	3087.3	3321.8	3746.7	4265.0	4585.5	4585.5
22.5°	3114.3	3111.8	3126.6	3114.3	3158.5	3313.2	3711.1	4354.6	4849.5	4869.1
25°	3339.0	3326.7	3323.1	3294.8	3303.4	3393.1	3750.4	4456.5	5162.6	5203.2
27.5°	3638.7	3619.0	3605.5	3540.4	3518.3	3557.6	3870.8	4579.3	5511.4	5581.4
30°	4029.2	3993.6	3973.9	3860.9	3781.1	3787.3	4052.5	4742.7	5876.1	5989.1
32.5°	4562.1	4506.9	4454.1	4268.6	4122.5	4074.6	4287.1	4968.6	6271.6	6452.1
35°	5159.0	5114.8	5058.3	4772.1	4547.4	4436.9	4603.9	5284.2	6734.5	7020.7
37.5°	5733.7	5695.6	5722.6	5337.0	5047.2	4886.3	5019.0	5707.9	7305.6	7728.0
40°	6328.1	6298.6	6302.3	5933.9	5596.1	5415.6	5522.5	6239.6	7960.1	8569.2
42.5°	6974.0	6951.9	6878.2	6551.6	6172.1	6003.8	6102.1	6853.6	8662.5	9527.1
45°	7697.3	7683.8	7615.0	7240.5	6805.8	6616.6	6749.3	7531.5	9368.7	10428.5
47.5°	8322.4	8333.4	8324.8	8009.2	7558.5	7281.0	7439.4	8238.9	10025.7	11275.8
50°	8623.2	8681.0	8765.7	8667.5	8387.5	8105.0	8135.7	8921.7	10652.0	12070.3
52.5°	8466.1	8575.3	8806.2	8963.4	9071.5	9012.5	8930.3	9599.5	11241.4	12787.5
55°	7880.3	8033.8	8416.9	8796.4	9347.8	9776.4	9884.4	10351.1	11816.1	13418.7
57.5°	6813.1	7062.4	7406.3	8173.8	9102.2	10146.0	10997.0	11393.7	12425.2	14092.9
60°	4983.4	5317.4	5744.7	6886.8	8242.6	9948.3	11943.8	12995.0	13291.0	14966.0
62.5°	3189.2	3395.5	3788.5	4864.2	6422.6	8935.2	12233.7	14996.7	14758.5	16397.9
65°	2183.4	2316.1	2675.9	3280.1	4152.0	6651.0	11457.5	16497.4	17089.3	18667.3
67.5°	1586.6	1687.3	1994.3	2523.6	2705.4	3935.8	8891.0	16428.6	19355.0	21005.5
70°	1156.8	1228.0	1485.9	1994.3	2081.5	2189.6	5386.1	13965.2	19305.9	21626.9
72.5°	857.2	906.3	1079.4	1547.3	1684.9	1478.6	2666.1	10149.7	16589.5	19561.3
75°	620.2	657.0	784.7	1183.8	1348.4	1126.1	1330.0	5931.4	11571.7	13760.1
77.5°	474.0	502.3	585.8	867.0	1079.4	844.9	825.2	2728.7	5486.8	5513.9
80°	380.7	399.1	444.5	610.3	827.7	632.4	537.9	1101.5	1734.0	1467.5
82.5°	280.0	310.7	375.8	428.6	591.9	436.0	327.9	556.3	659.5	567.4
85°	159.6	180.5	227.2	307.0	378.2	266.5	187.9	246.8	307.0	251.7
87.5°	56.5	73.7	79.8	120.3	164.6	110.5	72.5	71.2	100.7	74.9
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°
3393.1	0°	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1	3393.1
3429.9	2.5°	3417.6	3411.5	3386.9	3353.8	3319.4	3286.2	3275.2	3251.8	3235.9	3227.3
3509.7	5°	3486.4	3466.7	3409.0	3335.3	3258.0	3174.5	3115.5	3061.5	3022.2	2985.3
3619.0	7.5°	3584.6	3550.2	3450.8	3321.8	3184.3	3045.5	2942.4	2863.8	2811.0	2776.6
3746.7	10°	3698.8	3646.0	3493.8	3301.0	3088.5	2889.6	2768.0	2700.4	2667.3	2648.9
3892.9	12.5°	3830.2	3755.3	3538.0	3253.1	2942.4	2715.2	2631.7	2612.0	2613.3	2614.5
4077.1	15°	3992.3	3888.0	3573.6	3148.7	2752.0	2581.3	2566.6	2598.5	2631.7	2647.6
4285.8	17.5°	4175.3	4027.9	3579.7	2976.8	2565.4	2495.4	2542.0	2610.8	2661.1	2683.3
4519.2	20°	4371.8	4170.4	3535.5	2733.6	2411.9	2425.4	2508.9	2597.3	2652.5	2680.8
4785.6	22.5°	4596.5	4322.7	3429.9	2478.2	2286.6	2349.2	2447.5	2533.4	2591.1	2619.4
5098.8	25°	4853.2	4493.4	3264.1	2263.3	2178.5	2263.3	2361.5	2432.7	2479.4	2505.2
5448.8	27.5°	5138.1	4671.4	3043.1	2092.6	2084.0	2174.8	2255.9	2311.2	2335.7	2355.4
5820.9	30°	5424.2	4833.5	2775.4	1963.6	2001.7	2087.7	2145.4	2169.9	2177.3	2181.0
6235.9	32.5°	5733.7	4973.5	2494.1	1856.8	1923.1	2002.9	2037.3	2048.4	2014.0	1990.6
6739.4	35°	6108.2	5123.4	2219.1	1772.1	1845.7	1914.5	1925.6	1915.7	1875.2	1827.3
7370.6	37.5°	6571.2	5310.0	1999.2	1711.9	1773.3	1818.7	1805.2	1802.8	1806.4	1749.9
8129.6	40°	7138.6	5553.2	1838.4	1665.2	1714.3	1724.2	1686.1	1707.0	1725.4	1639.4
8962.2	42.5°	7768.5	5846.7	1736.4	1633.3	1665.2	1641.9	1582.9	1606.3	1603.8	1490.8
9798.5	45°	8410.8	6166.0	1700.8	1610.0	1619.8	1573.1	1508.0	1514.2	1462.6	1360.7
10600.4	47.5°	9049.4	6508.6	1722.9	1590.3	1563.3	1510.5	1460.1	1433.1	1357.0	1280.8
11369.1	50°	9675.7	6868.4	1804.0	1551.0	1485.9	1455.2	1418.4	1370.5	1289.4	1224.3
12096.1	52.5°	10256.5	7230.7	1894.9	1485.9	1388.9	1407.3	1384.0	1328.7	1248.9	1182.6
12783.8	55°	10806.7	7592.9	1930.5	1396.3	1298.0	1365.6	1352.1	1250.1	1154.4	1100.3
13503.4	57.5°	11406.0	8028.9	1891.2	1282.1	1224.3	1317.7	1266.1	1153.1	1097.9	1057.3
14440.4	60°	12236.1	8712.9	1806.4	1140.8	1154.4	1246.5	1158.0	1111.4	1051.2	1005.8
15845.3	62.5°	13615.2	9988.8	1670.1	1000.8	1072.1	1140.8	1106.5	1059.8	998.4	954.2
18247.3	65°	15653.7	11762.1	1413.5	891.6	980.0	1037.7	1051.2	1004.5	940.7	894.0
20352.2	67.5°	17373.0	12874.7	1069.6	800.7	885.4	954.2	992.3	946.8	879.3	833.8
20844.6	70°	17278.4	12066.6	816.6	711.0	801.9	871.9	921.0	885.4	813.0	770.0
18933.8	72.5°	15346.7	10094.4	660.7	620.2	717.2	785.9	844.9	817.9	744.2	702.4
13870.6	75°	11274.6	7165.6	528.1	528.1	611.6	696.3	761.4	744.2	676.6	647.2
5823.3	77.5°	4752.5	3006.2	413.8	438.4	508.4	598.1	679.1	685.2	626.3	663.1
1540.0	80°	1263.6	828.9	315.6	345.1	399.1	493.7	590.7	588.2	524.4	490.0
572.3	82.5°	481.4	326.7	224.7	243.2	288.6	378.2	467.9	482.6	418.8	362.3
224.7	85°	185.4	140.0	138.8	146.1	168.2	250.5	353.7	366.0	315.6	267.7
62.6	87.5°	47.9	41.8	51.6	49.1	77.4	133.9	202.6	210.0	192.8	111.8
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>
3393.1
3237.1
3000.1
2783.9
2653.8
2616.9
2646.4
2688.2
2688.2
2626.8
2512.6
2362.7
2189.6
1998.0
1829.8
1753.6
1641.9
1489.6
1364.3
1280.8
1219.4
1183.8
1095.4
1053.7
1003.3
954.2
896.5
835.1
773.7
702.4
638.6
601.7
455.6
362.3
276.3
159.6
0.0

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