

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: P852779

Luminaire Tested: **GLAN-SB6B-830-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852779
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-830-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28979 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

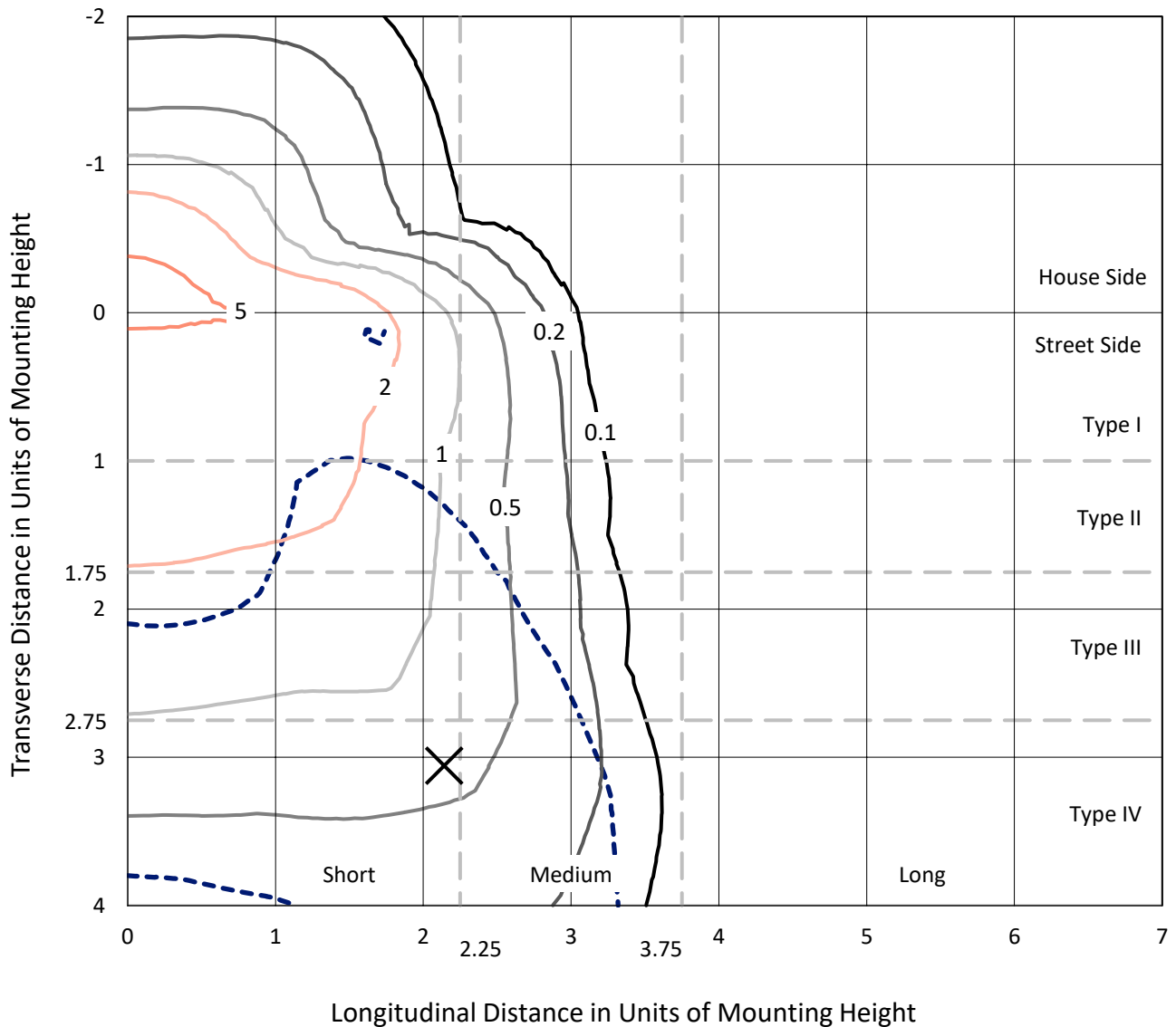
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

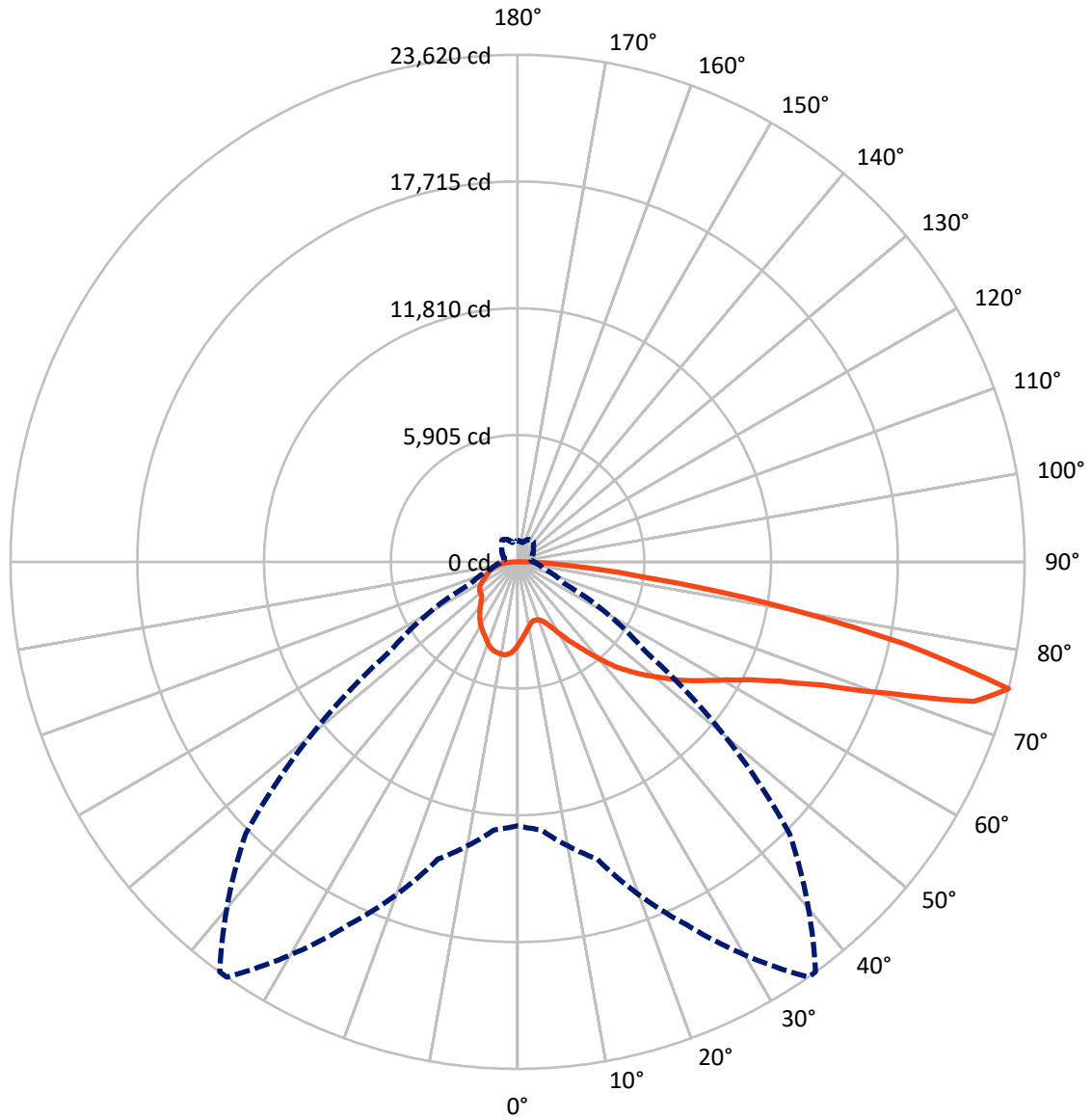
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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	6896.3	0.0	6896.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	22082.7	0.0	22082.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	28979.0	0.0	28979.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.6	1.3
10°-20°	1054.6	3.6
20°-30°	1771.0	6.1
30°-40°	2752.3	9.5
40°-50°	4085.2	14.1
50°-60°	5639.8	19.5
60°-70°	6842.4	23.6
70°-80°	5654.7	19.5
80°-90°	813.3	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°	28979.0	100.0
0°-180°	28979.0	100.0

Coefficient of Utilization



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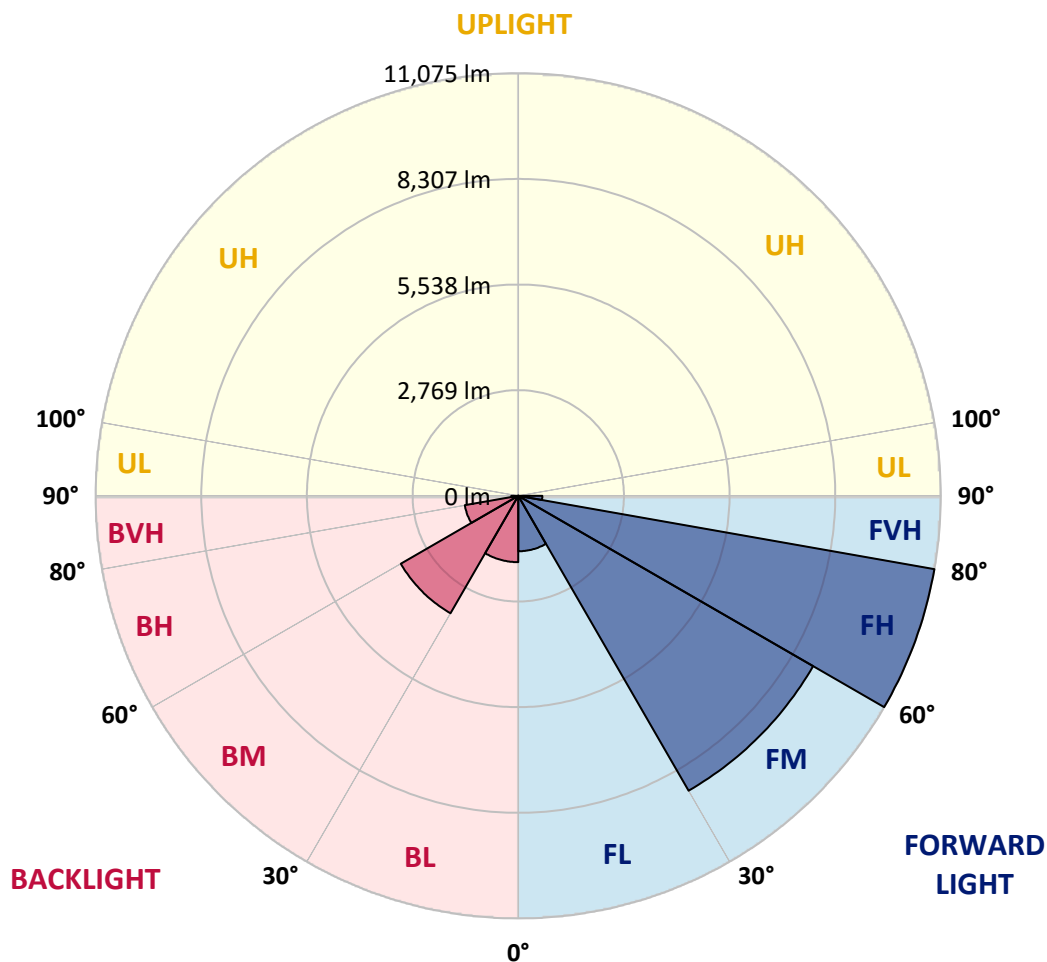
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1453.2	5.0			
FM (30°-60°)	8924.0	30.8			
FH (60°-80°)	11075.3	38.2			G4/12000
FVH (80°-90°)	630.2	2.2			G4/750
BL (0°-30°)	1738.0	6.0	B3/2500		
BM (30°-60°)	3553.4	12.3	B3/5000		
BH (60°-80°)	1421.8	4.9	B3/2500		G3/2500
BVH (80°-90°)	183.1	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°	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6
2.5°	3560.9	3582.8	3592.2	3587.5	3611.0	3607.9	3640.8	3681.5	3737.9	3792.7
5°	3286.7	3310.2	3330.6	3349.4	3394.8	3408.9	3460.6	3538.9	3642.3	3747.3
7.5°	3031.4	3051.7	3083.1	3117.5	3194.3	3208.4	3294.5	3416.7	3560.9	3714.4
10°	2823.0	2843.4	2876.3	2915.4	3011.0	3028.2	3137.9	3300.8	3488.8	3683.1
12.5°	2733.7	2740.0	2758.8	2797.9	2881.0	2891.9	3012.6	3199.0	3418.3	3659.6
15°	2729.0	2741.5	2743.1	2763.5	2832.4	2837.1	2948.3	3133.2	3374.4	3654.9
17.5°	2776.0	2785.4	2771.3	2783.8	2841.8	2849.6	2937.4	3101.9	3360.3	3675.2
20°	2901.3	2909.2	2866.9	2849.6	2891.9	2898.2	2984.4	3122.2	3374.4	3717.5
22.5°	3167.6	3172.3	3069.0	2998.5	3001.6	3004.7	3079.9	3205.2	3429.3	3794.3
25°	3582.8	3579.7	3415.2	3278.9	3200.5	3183.3	3233.4	3340.0	3521.7	3896.1
27.5°	4068.4	4044.9	3880.4	3676.8	3506.0	3481.0	3470.0	3515.4	3653.3	4030.8
30°	4616.7	4594.8	4417.8	4151.5	3914.9	3874.2	3770.8	3747.3	3849.1	4214.1
32.5°	5218.3	5204.2	4992.7	4670.0	4353.6	4306.6	4132.7	4070.0	4149.9	4491.4
35°	5722.8	5710.2	5534.8	5202.7	4815.7	4757.7	4580.7	4510.2	4550.9	4847.0
37.5°	6178.6	6172.4	6022.0	5760.4	5360.9	5290.4	5091.4	5067.9	5060.1	5315.4
40°	6601.6	6586.0	6429.3	6291.4	5995.3	5931.1	5755.7	5735.3	5675.8	5892.0
42.5°	7070.0	7029.3	6802.1	6737.9	6658.0	6604.7	6499.8	6502.9	6371.3	6542.1
45°	7452.3	7428.8	7195.4	7157.8	7243.9	7222.0	7312.8	7336.3	7081.0	7223.6
47.5°	7862.7	7840.8	7643.4	7616.8	7850.2	7856.5	8177.6	8185.4	7773.4	7931.7
50°	8368.7	8337.4	8141.6	8174.5	8436.1	8459.6	9047.1	8993.8	8411.0	8650.7
52.5°	8702.4	8721.2	8678.9	8732.2	9089.4	9111.3	9902.4	9766.1	9042.4	9360.4
55°	8948.4	8986.0	9117.6	9239.8	9778.7	9800.6	10709.2	10500.9	9565.6	10018.4
57.5°	9264.8	9211.6	9457.5	9695.6	10433.5	10491.5	11494.1	11209.0	10029.3	10585.5
60°	9719.1	9681.5	9872.7	10225.1	11166.7	11259.1	12324.4	11846.6	10369.3	11035.1
62.5°	10640.3	10546.3	10576.1	10887.8	12091.0	12213.1	13261.2	12402.7	10538.5	11210.5
65°	12017.3	11856.0	11705.6	11921.8	13392.8	13513.4	14318.6	12839.8	10475.8	10870.6
67.5°	13751.5	13591.7	13406.9	13610.5	15310.3	15405.9	15623.6	13085.7	9982.3	9560.9
70°	15181.8	15122.3	15343.2	16181.3	18373.0	18376.1	17296.7	12882.1	8630.4	6778.6
72.5°	14992.3	14956.2	16120.2	18711.4	22233.1	22150.0	18880.6	11340.6	5813.6	3058.0
75°	12299.3	12532.7	14335.9	18665.9	23619.5	23608.5	17910.8	7209.5	2404.7	1267.4
77.5°	6595.3	6965.1	9307.1	13781.3	18438.8	18716.1	12592.3	2522.2	1032.4	811.5
80°	2150.9	2473.6	3709.7	7016.8	11981.3	11929.6	5396.9	990.1	706.5	574.9
82.5°	913.3	950.9	1657.5	3313.3	6148.9	6053.3	1718.6	568.7	496.6	393.2
85°	357.2	399.5	731.6	1532.1	2663.2	2605.2	620.4	282.0	318.0	256.9
87.5°	117.5	142.6	261.6	524.8	828.7	799.0	152.0	97.1	137.9	117.5
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°
3861.6	0°	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6	3861.6
3872.6	2.5°	3894.5	3919.6	3949.4	3993.2	4030.8	4062.2	4095.1	4115.4	4123.3	4146.8
3878.9	5°	3922.7	3977.6	4051.2	4123.3	4193.8	4236.1	4273.7	4292.5	4309.7	4322.2
3896.1	7.5°	3969.7	4040.2	4156.2	4250.2	4309.7	4344.2	4369.2	4363.0	4369.2	4372.4
3914.9	10°	4010.5	4109.2	4247.0	4336.3	4381.8	4383.3	4377.1	4355.1	4344.2	4345.7
3943.1	12.5°	4059.0	4168.7	4317.5	4392.7	4405.3	4370.8	4344.2	4306.6	4292.5	4286.2
3985.4	15°	4124.8	4250.2	4394.3	4422.5	4391.2	4347.3	4301.9	4240.8	4209.4	4184.4
4057.5	17.5°	4204.7	4342.6	4453.8	4433.5	4366.1	4294.0	4220.4	4128.0	4063.7	4037.1
4156.2	20°	4316.0	4439.7	4499.3	4410.0	4308.1	4198.5	4073.1	3960.3	3900.8	3874.2
4281.5	22.5°	4450.7	4569.7	4543.1	4369.2	4225.1	4049.6	3893.0	3810.0	3780.2	3761.4
4442.9	25°	4612.0	4713.9	4574.4	4309.7	4088.8	3852.2	3731.6	3705.0	3690.9	3676.8
4640.2	27.5°	4822.0	4876.8	4597.9	4222.0	3875.7	3642.3	3598.5	3603.2	3598.5	3575.0
4914.4	30°	5099.3	5088.3	4619.9	4079.4	3631.4	3452.8	3455.9	3476.3	3479.4	3463.7
5296.6	32.5°	5464.3	5353.0	4630.8	3894.5	3397.9	3286.7	3289.8	3311.8	3327.4	3300.8
5796.4	35°	5906.0	5661.7	4613.6	3662.7	3217.8	3128.5	3105.0	3111.3	3116.0	3090.9
6402.7	37.5°	6421.5	6007.9	4536.8	3405.8	3069.0	2973.4	2923.3	2881.0	2855.9	2832.4
7088.8	40°	6987.0	6385.4	4395.9	3155.1	2902.9	2808.9	2733.7	2653.8	2569.2	2537.9
7815.7	42.5°	7579.2	6773.9	4225.1	2915.4	2711.8	2635.0	2555.1	2439.2	2312.3	2248.1
8570.8	45°	8193.3	7171.9	4057.5	2678.9	2515.9	2483.0	2390.6	2251.2	2113.3	2031.9
9327.5	47.5°	8794.8	7547.8	3811.5	2440.7	2332.7	2368.7	2296.6	2168.2	2014.6	1886.2
10077.9	50°	9369.8	7900.3	3408.9	2199.5	2183.8	2334.2	2265.3	2080.4	1905.0	1740.5
10814.2	52.5°	9940.0	8185.4	2893.5	1980.2	2103.9	2324.8	2224.6	2020.9	1806.3	1634.0
11506.6	55°	10424.1	8332.7	2396.9	1792.2	1988.0	2244.9	2176.0	1950.4	1666.9	1483.6
11981.3	57.5°	10699.8	8213.6	1983.3	1607.3	1828.2	2113.3	2093.0	1800.0	1500.8	1359.8
12073.7	60°	10580.8	7731.1	1644.9	1446.0	1676.3	1970.8	1948.8	1651.2	1373.9	1240.7
11578.7	62.5°	9924.4	6811.5	1377.0	1305.0	1538.4	1825.1	1804.7	1536.8	1276.8	1148.3
10264.3	65°	8602.2	5541.0	1168.7	1187.5	1399.0	1649.6	1679.4	1441.3	1200.0	1074.7
7941.1	67.5°	6560.9	4013.6	1005.8	1085.6	1262.7	1477.3	1563.5	1372.3	1135.8	1016.7
4594.8	70°	3739.5	2279.4	867.9	987.0	1142.0	1317.5	1474.2	1317.5	1066.8	968.2
1721.7	72.5°	1417.8	1046.5	750.4	888.3	1026.1	1182.8	1375.5	1231.3	987.0	913.3
889.8	75°	756.7	637.6	631.3	772.3	893.0	1051.2	1251.7	1146.7	927.4	965.0
615.7	77.5°	515.4	451.2	527.9	661.1	747.3	905.5	1120.1	1018.3	803.7	800.5
426.1	80°	357.2	319.6	429.2	532.6	578.1	761.4	977.6	874.2	654.8	611.0
263.2	82.5°	214.6	208.4	321.2	397.9	408.9	587.5	809.9	733.2	535.8	466.8
156.7	85°	117.5	123.8	205.2	233.4	238.1	410.4	634.5	567.1	412.0	346.2
56.4	87.5°	32.9	42.3	75.2	92.4	114.4	213.1	377.5	336.8	206.8	144.1
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>
3861.6
4145.2
4325.4
4377.1
4348.9
4283.1
4192.2
4038.7
3871.0
3764.5
3676.8
3579.7
3471.6
3313.3
3108.1
2848.1
2552.0
2255.9
2025.6
1872.1
1726.4
1615.2
1467.9
1341.0
1221.9
1127.9
1054.3
997.9
955.6
900.8
996.4
737.9
584.3
470.0
349.3
144.1
0.0

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