

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: P848108

Luminaire Tested: **GLAN-SB4C-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848108
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-SB4C-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29473 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

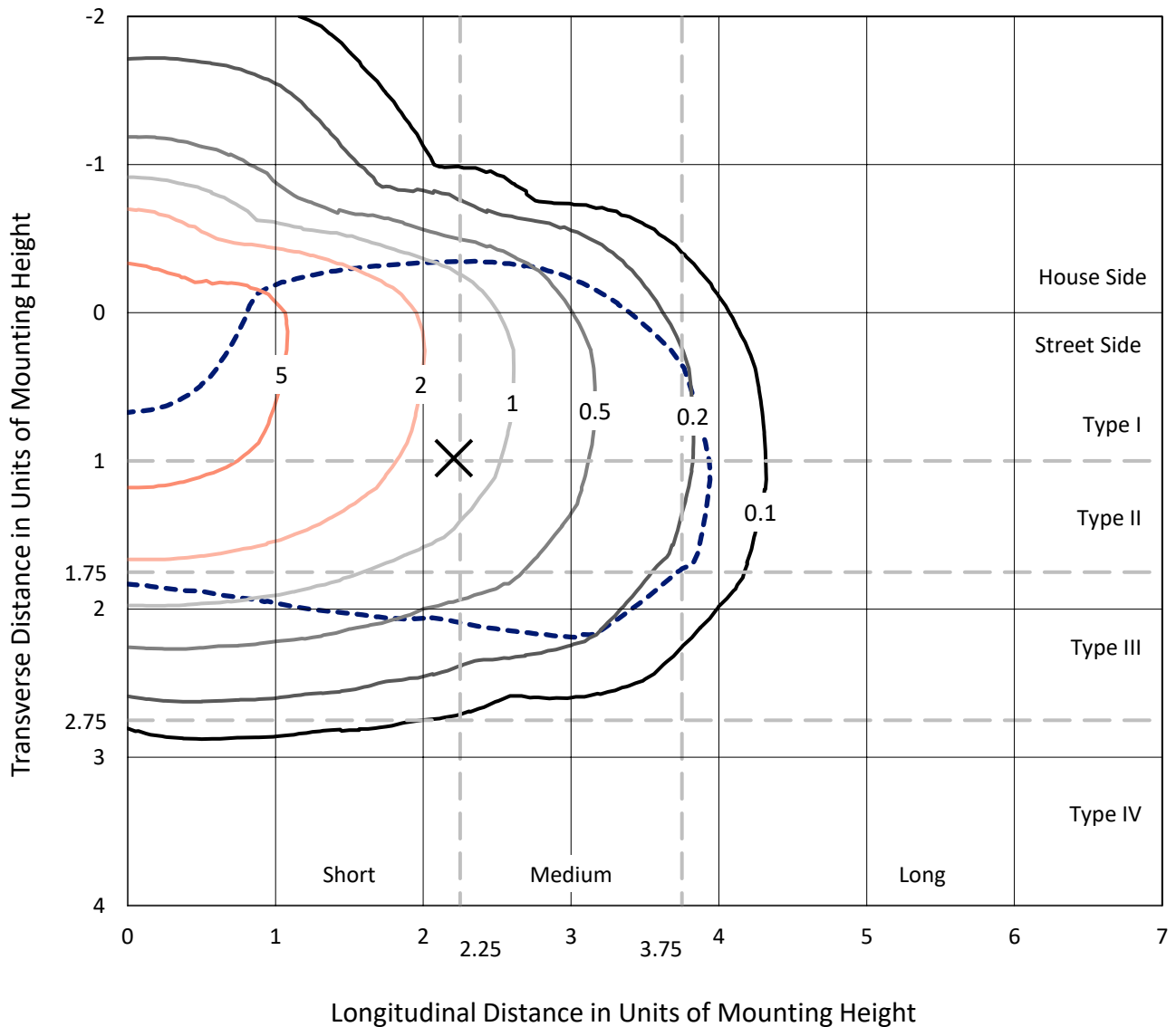
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

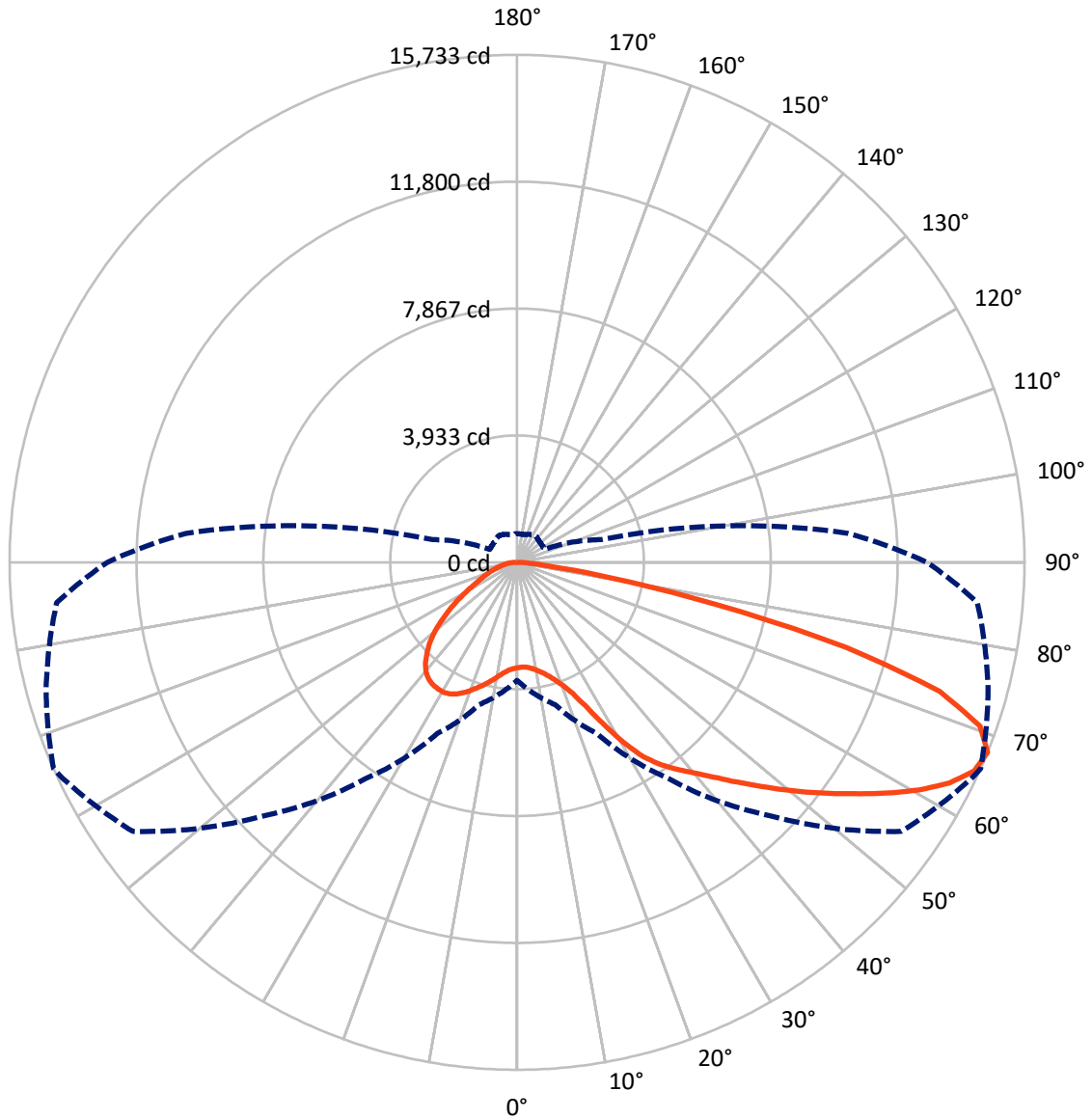
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	7328.4	0.0	7328.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	22144.6	0.0	22144.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	29473.0	0.0	29473.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.1	1.1
10°-20°	1070.8	3.6
20°-30°	2063.9	7.0
30°-40°	3618.8	12.3
40°-50°	5379.9	18.3
50°-60°	6819.6	23.1
60°-70°	6672.8	22.6
70°-80°	3183.0	10.8
80°-90°	340.2	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°	29473.0	100.0
0°-180°	29473.0	100.0

Coefficient of Utilization

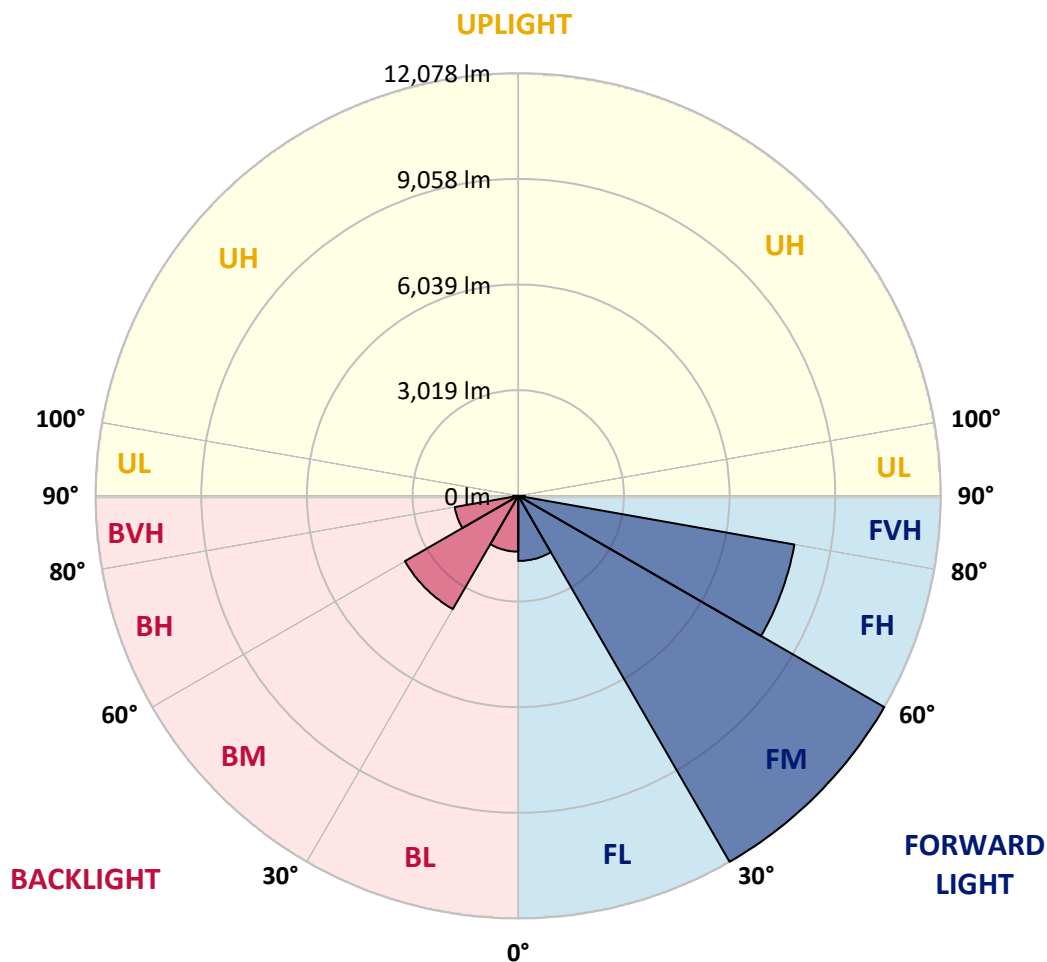


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1862.4	6.3			
FM (30°-60°)	12077.8	41.0			
FH (60°-80°)	8011.6	27.2			G4/12000
FVH (80°-90°)	192.9	0.7			G2/225
BL (0°-30°)	1596.4	5.4	B3/2500		
BM (30°-60°)	3740.5	12.7	B3/5000		
BH (60°-80°)	1844.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	147.3	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-G4
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9
2.5°	3234.9	3253.5	3248.8	3241.1	3239.5	3242.6	3247.3	3251.9	3250.4	3258.1
5°	3225.6	3244.2	3242.6	3242.6	3248.8	3261.2	3268.9	3276.7	3268.9	3278.2
7.5°	3231.8	3245.7	3251.9	3258.1	3273.6	3296.8	3315.4	3332.4	3323.1	3334.0
10°	3310.8	3321.6	3327.8	3327.8	3338.6	3365.0	3383.5	3414.5	3406.8	3423.8
12.5°	3454.8	3465.6	3465.6	3459.4	3467.2	3484.2	3490.4	3524.5	3510.5	3538.4
15°	3631.3	3653.0	3635.9	3625.1	3628.2	3645.2	3643.7	3670.0	3656.1	3679.3
17.5°	3826.4	3854.3	3826.4	3824.9	3818.7	3837.3	3838.8	3862.0	3837.3	3854.3
20°	4057.1	4095.9	4072.6	4080.4	4066.4	4074.2	4081.9	4116.0	4077.3	4089.7
22.5°	4382.3	4428.8	4404.0	4433.4	4424.1	4418.0	4416.4	4476.8	4416.4	4421.1
25°	4856.2	4911.9	4868.6	4908.8	4908.8	4929.0	4952.2	5029.6	4929.0	4899.5
27.5°	5556.1	5611.9	5526.7	5551.5	5543.7	5593.3	5568.5	5760.5	5652.1	5604.1
30°	6398.5	6497.6	6336.6	6330.4	6322.6	6401.6	6437.2	6564.2	6454.3	6406.3
32.5°	7309.1	7412.8	7220.8	7165.0	7135.6	7183.6	7154.2	7256.4	7180.5	7106.2
35°	8272.2	8374.4	8191.7	8083.3	7965.6	7865.0	7759.7	7786.0	7714.8	7601.7
37.5°	9182.8	9370.2	9176.6	9060.4	8843.7	8647.0	8352.8	8230.4	8163.8	8060.1
40°	10110.3	10217.2	10070.1	9971.0	9735.6	9427.4	8956.7	8698.1	8608.3	8507.6
42.5°	10793.2	10895.5	10816.5	10748.3	10564.1	10206.4	9597.8	9274.1	9144.1	9031.0
45°	11335.2	11411.1	11361.6	11386.3	11307.4	10960.5	10262.1	9892.0	9757.3	9619.5
47.5°	11553.6	11634.1	11713.1	11860.2	11994.9	11739.4	10976.0	10561.0	10418.5	10277.6
50°	11528.8	11610.9	11840.1	12152.9	12571.0	12485.8	11728.6	11273.3	11141.7	10980.6
52.5°	11330.6	11423.5	11717.7	12238.0	12903.9	13044.8	12495.1	12008.8	11885.0	11692.9
55°	10810.3	10866.0	11307.4	12044.5	12982.9	13435.0	13246.1	12792.4	12668.5	12400.6
57.5°	9845.5	9926.1	10568.7	11522.6	12784.7	13699.8	13905.8	13616.2	13497.0	13111.4
60°	8586.6	8715.1	9450.7	10646.1	12279.8	13698.3	14505.1	14426.1	14327.0	13811.3
62.5°	7161.9	7310.6	8018.3	9407.3	11397.2	13309.6	14879.8	15104.4	15053.3	14457.1
65°	5500.4	5602.6	6307.2	7804.6	10023.6	12475.0	14923.2	15567.4	15576.7	14948.0
67.5°	3662.3	3956.5	4568.2	5856.5	8184.0	11110.7	14542.2	15643.2	15733.1	15116.7
70°	1787.0	2174.1	2773.4	3806.3	5856.5	9018.6	13546.5	15020.7	15220.5	14624.3
72.5°	741.7	867.2	1193.9	1878.4	3361.9	6085.7	11545.8	13332.8	13702.9	12958.1
75°	500.2	542.0	682.9	963.2	1531.5	3001.0	8326.4	9941.6	10537.7	9786.7
77.5°	385.6	411.9	497.1	673.6	910.5	1135.1	4456.7	5991.3	6299.4	5831.8
80°	303.5	323.6	371.6	490.9	645.7	607.0	1519.1	2714.6	2892.7	2426.5
82.5°	263.2	271.0	266.3	332.9	428.9	354.6	498.6	1001.9	1105.6	802.1
85°	190.5	212.1	221.4	206.0	227.6	179.6	204.4	354.6	390.2	348.4
87.5°	77.4	114.6	140.9	133.2	83.6	51.1	63.5	103.8	119.2	130.1
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°
3268.9	0°	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9	3268.9
3270.5	2.5°	3272.0	3282.9	3290.6	3299.9	3306.1	3315.4	3334.0	3344.8	3346.4	3354.1
3295.3	5°	3301.5	3316.9	3334.0	3358.8	3386.6	3409.9	3445.5	3470.3	3479.5	3487.3
3355.7	7.5°	3365.0	3386.6	3417.6	3461.0	3501.2	3532.2	3575.6	3605.0	3634.4	3645.2
3451.7	10°	3459.4	3490.4	3535.3	3594.1	3637.5	3677.8	3722.7	3747.4	3776.9	3789.3
3566.3	12.5°	3577.1	3609.6	3668.5	3750.5	3790.8	3818.7	3834.2	3828.0	3834.2	3845.0
3704.1	15°	3711.8	3747.4	3814.0	3902.3	3930.2	3905.4	3871.3	3840.4	3835.7	3838.8
3871.3	17.5°	3871.3	3897.6	3975.1	4049.4	4029.3	3927.1	3852.7	3803.2	3778.4	3770.7
4085.0	20°	4094.3	4094.3	4157.8	4204.3	4069.5	3896.1	3780.0	3699.4	3648.3	3626.7
4376.1	22.5°	4365.3	4340.5	4380.8	4348.3	4061.8	3809.4	3648.3	3509.0	3431.5	3400.6
4783.4	25°	4709.1	4679.7	4668.8	4467.5	4006.0	3671.6	3409.9	3241.1	3172.9	3155.9
5370.3	27.5°	5227.8	5153.5	5012.6	4532.5	3903.8	3454.8	3131.1	2974.7	2936.0	2937.6
6124.4	30°	5918.5	5769.8	5424.5	4543.4	3736.6	3148.2	2846.2	2734.7	2716.1	2723.9
6757.8	32.5°	6558.0	6417.1	5845.7	4493.8	3479.5	2847.7	2590.7	2516.4	2488.5	2497.8
7240.9	35°	7059.7	7021.0	6235.9	4424.1	3163.6	2565.9	2361.5	2298.0	2243.8	2231.4
7696.2	37.5°	7533.6	7518.1	6528.6	4326.6	2850.8	2366.2	2177.2	2093.6	2014.6	1971.3
8199.5	40°	8053.9	8038.4	6720.6	4176.4	2573.7	2192.7	2011.5	1901.6	1804.0	1725.1
8769.3	42.5°	8639.2	8547.9	6812.0	3961.1	2338.3	2045.6	1876.8	1728.2	1599.6	1526.8
9413.5	45°	9278.8	9072.8	6810.4	3687.0	2140.1	1910.9	1732.8	1522.2	1403.0	1334.8
10074.7	47.5°	9957.0	9574.6	6726.8	3383.5	1948.0	1762.2	1509.8	1348.8	1269.8	1228.0
10793.2	50°	10657.0	10043.8	6584.3	3035.1	1751.4	1593.4	1370.4	1260.5	1200.1	1161.4
11505.6	52.5°	11315.1	10469.6	6412.5	2640.2	1551.6	1429.3	1308.5	1223.3	1159.8	1116.5
12196.2	55°	11926.8	10836.6	6169.3	2236.1	1389.0	1319.3	1279.1	1207.9	1135.1	1084.0
12897.7	57.5°	12470.3	11075.1	5749.7	1856.7	1272.9	1243.5	1248.1	1181.5	1097.9	1054.5
13588.3	60°	12922.5	11250.1	5128.7	1505.2	1178.4	1169.1	1200.1	1132.0	1034.4	984.9
14172.1	62.5°	13193.5	11247.0	4366.9	1232.6	1097.9	1101.0	1136.6	1070.0	970.9	924.5
14477.2	65°	13170.2	10971.3	3530.6	1054.5	1020.5	1023.6	1070.0	1001.9	918.3	890.4
14323.9	67.5°	12704.1	10299.3	2708.4	938.4	935.3	949.2	1003.4	955.4	885.8	882.7
13410.3	70°	11442.1	8904.0	1951.1	845.5	847.0	867.2	938.4	926.0	868.7	874.9
11274.8	72.5°	9175.0	6788.8	1310.1	747.9	749.5	782.0	876.5	902.8	851.7	933.8
7999.7	75°	6110.5	4233.7	842.4	644.2	645.7	687.5	822.3	857.9	805.2	930.7
4162.4	77.5°	2936.0	1903.1	610.1	542.0	542.0	580.7	710.8	768.1	686.0	723.2
1337.9	80°	1014.3	715.4	480.0	436.7	427.4	453.7	599.3	665.9	591.5	545.1
436.7	82.5°	399.5	371.6	385.6	339.1	308.2	325.2	466.1	549.7	435.1	393.3
246.2	85°	229.2	241.6	272.5	224.5	178.1	199.8	342.2	394.9	328.3	289.6
80.5	87.5°	61.9	85.2	125.4	116.1	80.5	85.2	162.6	218.3	188.9	145.6
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

180°
3268.9
3352.6
3485.7
3646.8
3795.4
3848.1
3849.6
3781.5
3622.0
3395.9
3159.0
2942.2
2750.2
2510.2
2240.7
1972.8
1732.8
1531.5
1331.7
1218.7
1147.5
1097.9
1063.8
1026.7
963.2
910.5
888.9
887.3
873.4
946.2
938.4
662.8
511.0
391.8
295.8
150.2
0.0

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