

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: P850748

Luminaire Tested: **GLAN-SB8B-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850748
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-SB8B-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29343 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

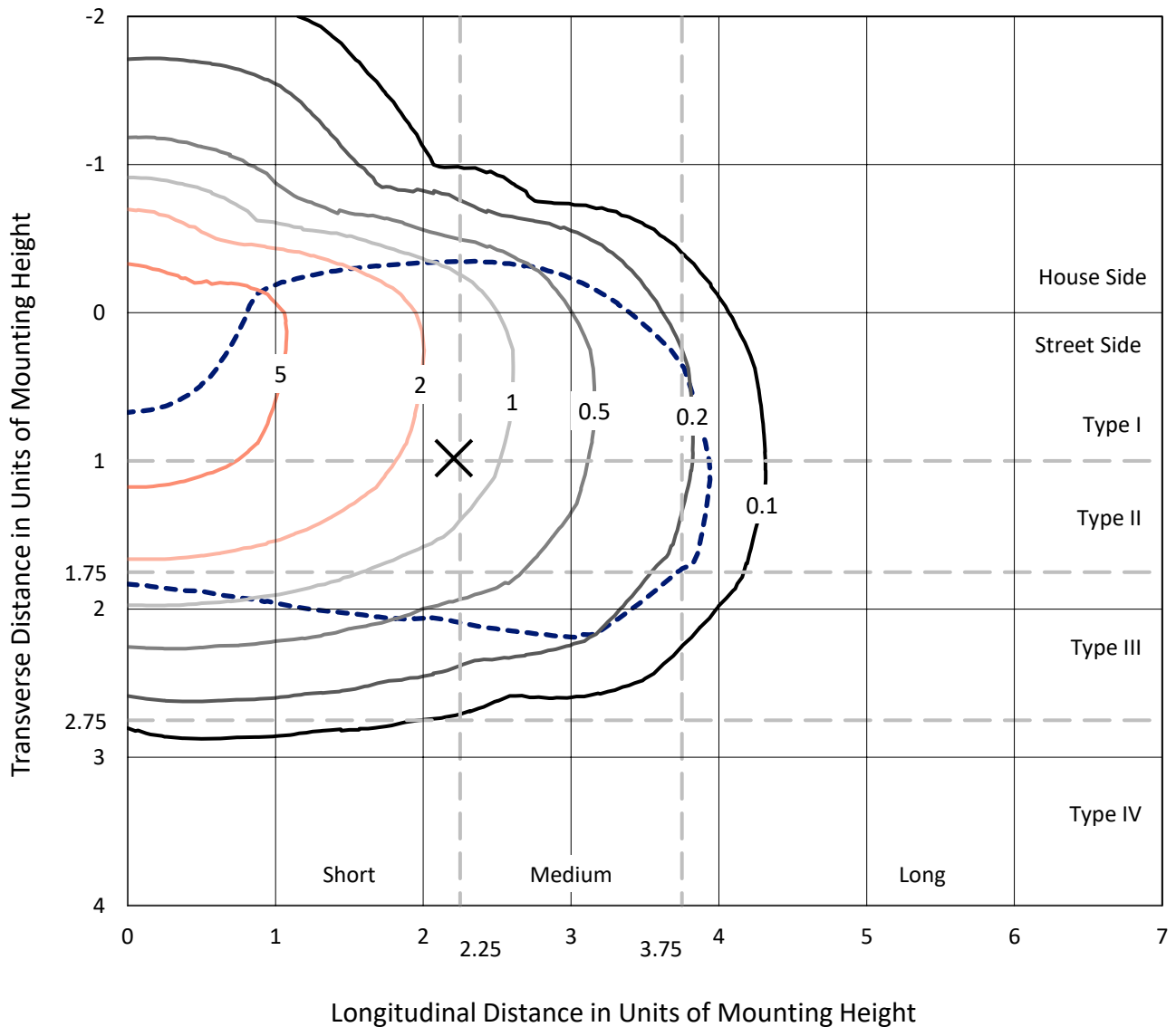
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

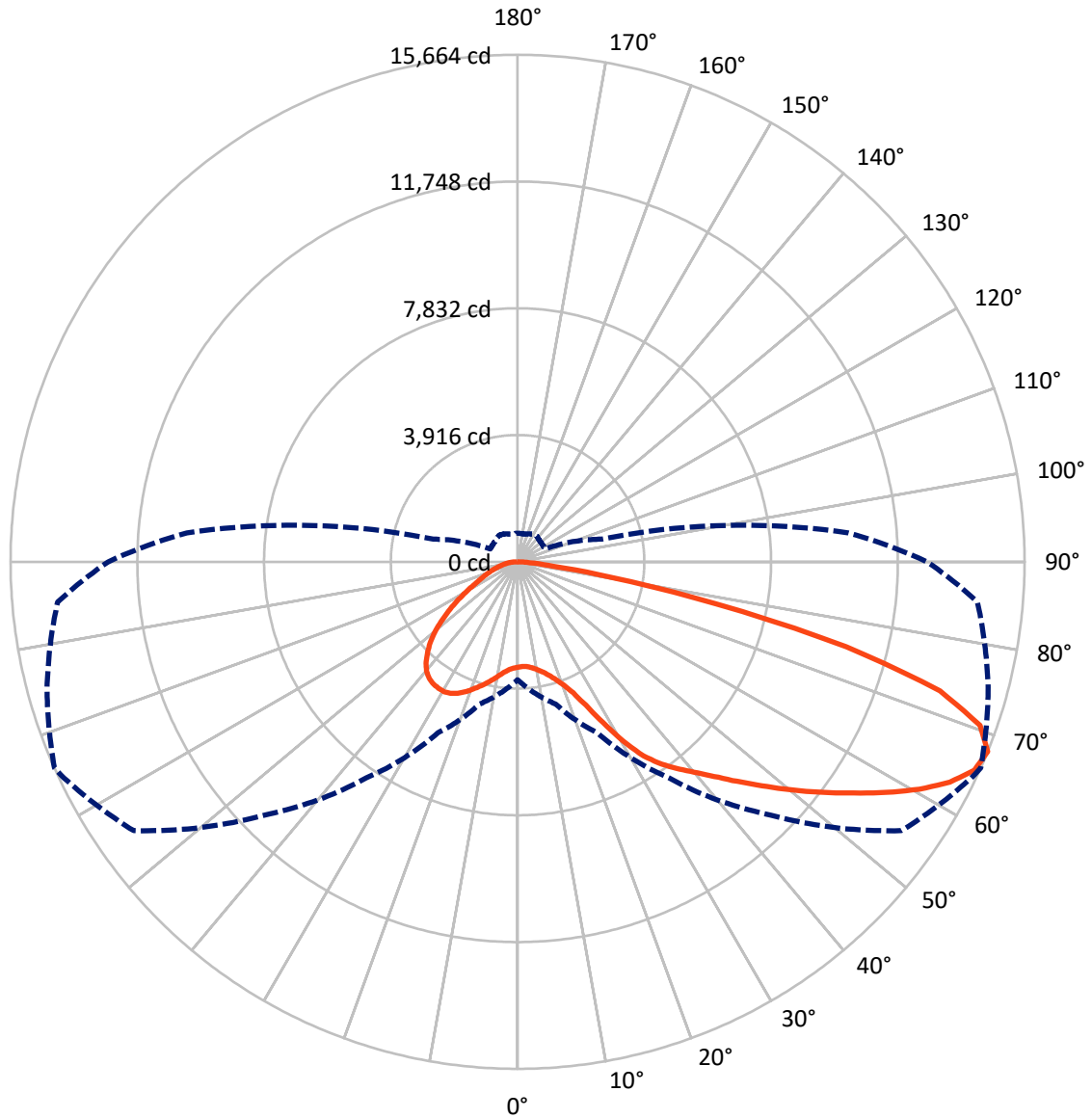
× Max cd
 - - - 1/2 Max cd



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	7296.1	0.0	7296.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	22046.9	0.0	22046.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	29343.0	0.0	29343.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.7	1.1
10°-20°	1066.1	3.6
20°-30°	2054.8	7.0
30°-40°	3602.8	12.3
40°-50°	5356.2	18.3
50°-60°	6789.5	23.1
60°-70°	6643.4	22.6
70°-80°	3168.9	10.8
80°-90°	338.7	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°	29343.0	100.0
0°-180°	29343.0	100.0

Coefficient of Utilization



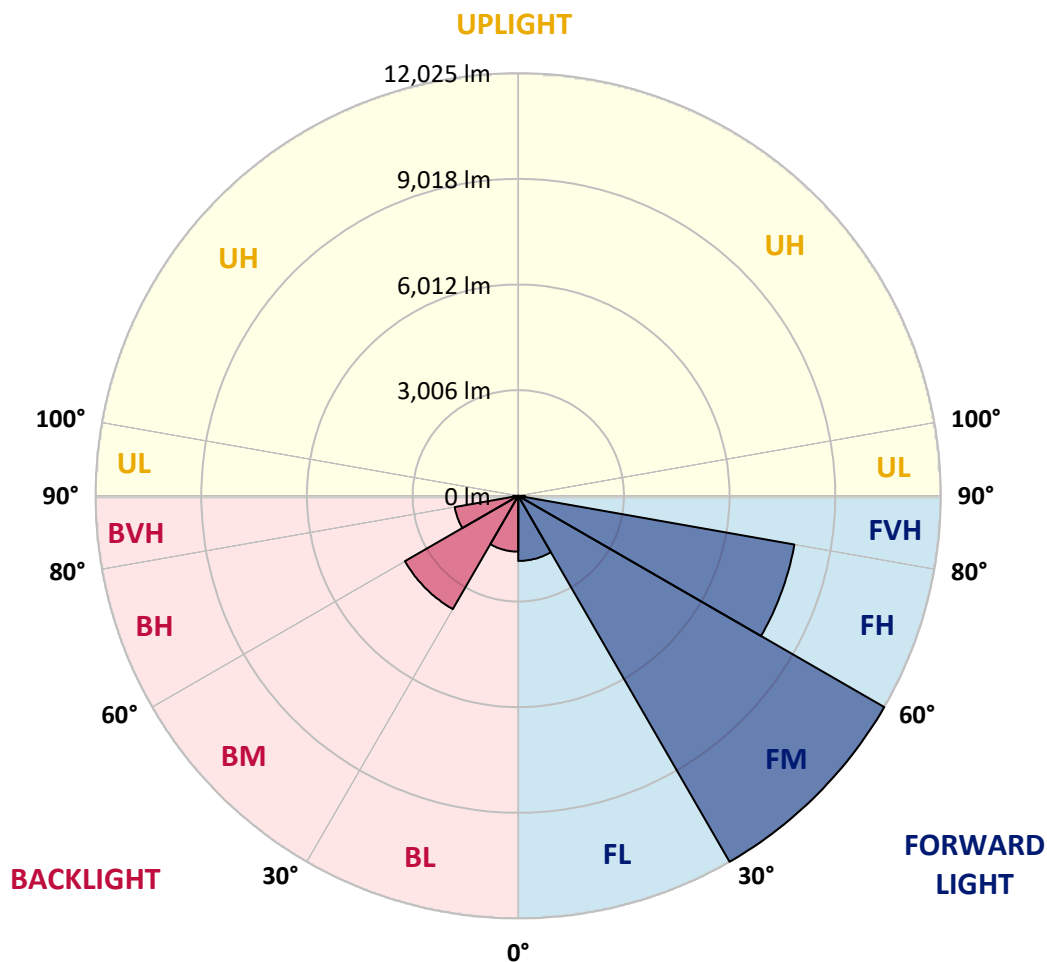
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1854.2	6.3			
FM (30°-60°)	12024.5	41.0			
FH (60°-80°)	7976.2	27.2			G4/12000
FVH (80°-90°)	192.0	0.7			G2/225
BL (0°-30°)	1589.3	5.4	B3/2500		
BM (30°-60°)	3724.0	12.7	B3/5000		
BH (60°-80°)	1836.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	146.7	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°	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5
2.5°	3220.6	3239.1	3234.5	3226.8	3225.2	3228.3	3232.9	3237.6	3236.0	3243.7
5°	3211.4	3229.9	3228.3	3228.3	3234.5	3246.8	3254.5	3262.2	3254.5	3263.8
7.5°	3217.5	3231.4	3237.6	3243.7	3259.2	3282.3	3300.8	3317.7	3308.5	3319.3
10°	3296.2	3306.9	3313.1	3313.1	3323.9	3350.1	3368.6	3399.4	3391.7	3408.7
12.5°	3439.5	3450.3	3450.3	3444.2	3451.9	3468.8	3475.0	3508.9	3495.0	3522.8
15°	3615.3	3636.9	3619.9	3609.1	3612.2	3629.2	3627.6	3653.8	3640.0	3663.1
17.5°	3809.5	3837.3	3809.5	3808.0	3801.8	3820.3	3821.9	3845.0	3820.3	3837.3
20°	4039.3	4077.8	4054.7	4062.4	4048.5	4056.2	4063.9	4097.8	4059.3	4071.6
22.5°	4363.0	4409.3	4384.6	4413.9	4404.6	4398.5	4396.9	4457.1	4396.9	4401.6
25°	4834.8	4890.3	4847.1	4887.2	4887.2	4907.2	4930.4	5007.4	4907.2	4877.9
27.5°	5531.6	5587.1	5502.3	5527.0	5519.3	5568.6	5543.9	5735.1	5627.2	5579.4
30°	6370.3	6469.0	6308.6	6302.5	6294.8	6373.4	6408.8	6535.3	6425.8	6378.0
32.5°	7276.8	7380.1	7188.9	7133.4	7104.1	7151.9	7122.6	7224.4	7148.9	7074.9
35°	8235.8	8337.5	8155.6	8047.7	7930.5	7830.3	7725.5	7751.7	7680.7	7568.2
37.5°	9142.3	9328.8	9136.1	9020.5	8804.6	8608.8	8315.9	8194.1	8127.8	8024.5
40°	10065.8	10172.1	10025.7	9927.0	9692.7	9385.9	8917.2	8659.7	8570.3	8470.1
42.5°	10745.6	10847.4	10768.8	10700.9	10517.5	10161.3	9555.5	9233.2	9103.7	8991.2
45°	11285.2	11360.8	11311.4	11336.1	11257.5	10912.1	10216.8	9848.4	9714.2	9577.0
47.5°	11502.6	11582.8	11661.4	11807.9	11942.0	11687.6	10927.6	10514.4	10372.6	10232.3
50°	11477.9	11559.7	11787.8	12099.3	12515.5	12430.7	11676.8	11223.6	11092.5	10932.2
52.5°	11280.6	11373.1	11666.0	12184.0	12847.0	12987.3	12440.0	11955.9	11832.5	11641.4
55°	10762.6	10818.1	11257.5	11991.3	12925.6	13375.8	13187.7	12736.0	12612.6	12345.9
57.5°	9802.1	9882.3	10522.1	11471.8	12728.3	13639.4	13844.5	13556.2	13437.4	13053.6
60°	8548.7	8676.7	9409.0	10599.2	12225.7	13637.9	14441.1	14362.5	14263.8	13750.4
62.5°	7130.4	7278.4	7982.9	9365.8	11346.9	13250.9	14814.2	15037.7	14986.9	14393.3
65°	5476.1	5577.9	6279.3	7770.2	9979.4	12419.9	14857.4	15498.7	15507.9	14882.0
67.5°	3646.1	3939.0	4548.0	5830.7	8147.9	11061.7	14478.1	15574.2	15663.7	15050.1
70°	1779.1	2164.5	2761.2	3789.5	5830.7	8978.9	13486.8	14954.5	15153.4	14559.8
72.5°	738.5	863.4	1188.6	1870.1	3347.0	6058.9	11494.9	13274.0	13642.5	12900.9
75°	498.0	539.6	679.9	958.9	1524.7	2987.8	8289.7	9897.7	10491.3	9743.5
77.5°	383.9	410.1	494.9	670.6	906.5	1130.1	4437.0	5964.8	6271.6	5806.0
80°	302.2	322.2	370.0	488.7	642.9	604.3	1512.4	2702.6	2879.9	2415.8
82.5°	262.1	269.8	265.2	331.5	427.1	353.0	496.4	997.5	1100.8	798.6
85°	189.6	211.2	220.5	205.0	226.6	178.8	203.5	353.0	388.5	346.9
87.5°	77.1	114.1	140.3	132.6	83.3	50.9	63.2	103.3	118.7	129.5
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°
3254.5	0°	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5	3254.5
3256.1	2.5°	3257.6	3268.4	3276.1	3285.4	3291.5	3300.8	3319.3	3330.1	3331.6	3339.3
3280.7	5°	3286.9	3302.3	3319.3	3343.9	3371.7	3394.8	3430.3	3454.9	3464.2	3471.9
3340.9	7.5°	3350.1	3371.7	3402.5	3445.7	3485.8	3516.6	3559.8	3589.1	3618.4	3629.2
3436.4	10°	3444.2	3475.0	3519.7	3578.3	3621.5	3661.5	3706.2	3730.9	3760.2	3772.5
3550.5	12.5°	3561.3	3593.7	3652.3	3734.0	3774.1	3801.8	3817.2	3811.1	3817.2	3828.0
3687.7	15°	3695.5	3730.9	3797.2	3885.1	3912.8	3888.2	3854.2	3823.4	3818.8	3821.9
3854.2	17.5°	3854.2	3880.5	3957.5	4031.5	4011.5	3909.7	3835.7	3786.4	3761.7	3754.0
4067.0	20°	4076.3	4076.3	4139.5	4185.7	4051.6	3878.9	3763.3	3683.1	3632.2	3610.7
4356.8	22.5°	4346.0	4321.4	4361.5	4329.1	4043.9	3792.6	3632.2	3493.5	3416.4	3385.6
4762.3	25°	4688.3	4659.0	4648.2	4447.8	3988.4	3655.4	3394.8	3226.8	3158.9	3142.0
5346.6	27.5°	5204.8	5130.8	4990.5	4512.6	3886.6	3439.5	3117.3	2961.6	2923.1	2924.6
6097.4	30°	5892.4	5744.4	5400.6	4523.3	3720.1	3134.3	2833.6	2722.6	2704.1	2711.8
6728.0	32.5°	6529.1	6388.8	5819.9	4474.0	3464.2	2835.2	2579.3	2505.3	2477.5	2486.8
7209.0	35°	7028.6	6990.1	6208.4	4404.6	3149.7	2554.6	2351.1	2287.9	2233.9	2221.6
7662.2	37.5°	7500.4	7484.9	6499.8	4307.5	2838.3	2355.7	2167.6	2084.4	2005.8	1962.6
8163.3	40°	8018.4	8003.0	6691.0	4158.0	2562.3	2183.0	2002.7	1893.2	1796.1	1717.5
8730.6	42.5°	8601.1	8510.2	6781.9	3943.7	2328.0	2036.6	1868.5	1720.5	1592.6	1520.1
9372.0	45°	9237.9	9032.8	6780.4	3670.8	2130.6	1902.5	1725.2	1515.5	1396.8	1328.9
10030.3	47.5°	9913.1	9532.3	6697.1	3368.6	1939.5	1754.5	1503.2	1342.8	1264.2	1222.6
10745.6	50°	10610.0	9999.5	6555.3	3021.7	1743.7	1586.4	1364.4	1254.9	1194.8	1156.3
11454.8	52.5°	11265.2	10423.4	6384.2	2628.6	1544.8	1423.0	1302.7	1217.9	1154.7	1111.6
12142.4	55°	11874.2	10788.8	6142.1	2226.2	1382.9	1313.5	1273.4	1202.5	1130.1	1079.2
12840.8	57.5°	12415.3	11026.2	5724.3	1848.5	1267.3	1238.0	1242.6	1176.3	1093.1	1049.9
13528.4	60°	12865.5	11200.4	5106.1	1498.5	1173.2	1164.0	1194.8	1127.0	1029.9	980.5
14109.6	62.5°	13135.3	11197.4	4347.6	1227.2	1093.1	1096.1	1131.6	1065.3	966.6	920.4
14413.3	65°	13112.1	10922.9	3515.1	1049.9	1016.0	1019.1	1065.3	997.5	914.2	886.5
14260.7	67.5°	12648.1	10253.8	2696.4	934.3	931.2	945.1	999.0	951.2	881.9	878.8
13351.1	70°	11391.6	8864.8	1942.5	841.8	843.3	863.4	934.3	921.9	864.9	871.1
11225.1	72.5°	9134.6	6758.8	1304.3	744.6	746.2	778.6	872.6	898.8	847.9	929.6
7964.4	75°	6083.5	4215.0	838.7	641.3	642.9	684.5	818.6	854.1	801.7	926.6
4144.1	77.5°	2923.1	1894.7	607.4	539.6	539.6	578.1	707.6	764.7	683.0	720.0
1332.0	80°	1009.8	712.3	477.9	434.8	425.5	451.7	596.6	662.9	588.9	542.7
434.8	82.5°	397.8	370.0	383.9	337.6	306.8	323.8	464.1	547.3	433.2	391.6
245.1	85°	228.2	240.5	271.3	223.5	177.3	198.9	340.7	393.1	326.8	288.3
80.2	87.5°	61.7	84.8	124.9	115.6	80.2	84.8	161.9	217.4	188.1	144.9
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°
3254.5
3337.8
3470.4
3630.7
3778.7
3831.1
3832.7
3764.8
3606.0
3380.9
3145.1
2929.2
2738.1
2499.1
2230.8
1964.1
1725.2
1524.7
1325.9
1213.3
1142.4
1093.1
1059.1
1022.1
958.9
906.5
884.9
883.4
869.5
942.0
934.3
659.8
508.8
390.0
294.5
149.5
0.0

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