

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: P848758

Luminaire Tested: **GLAN-SB5C-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848758
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-SB5C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29603 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

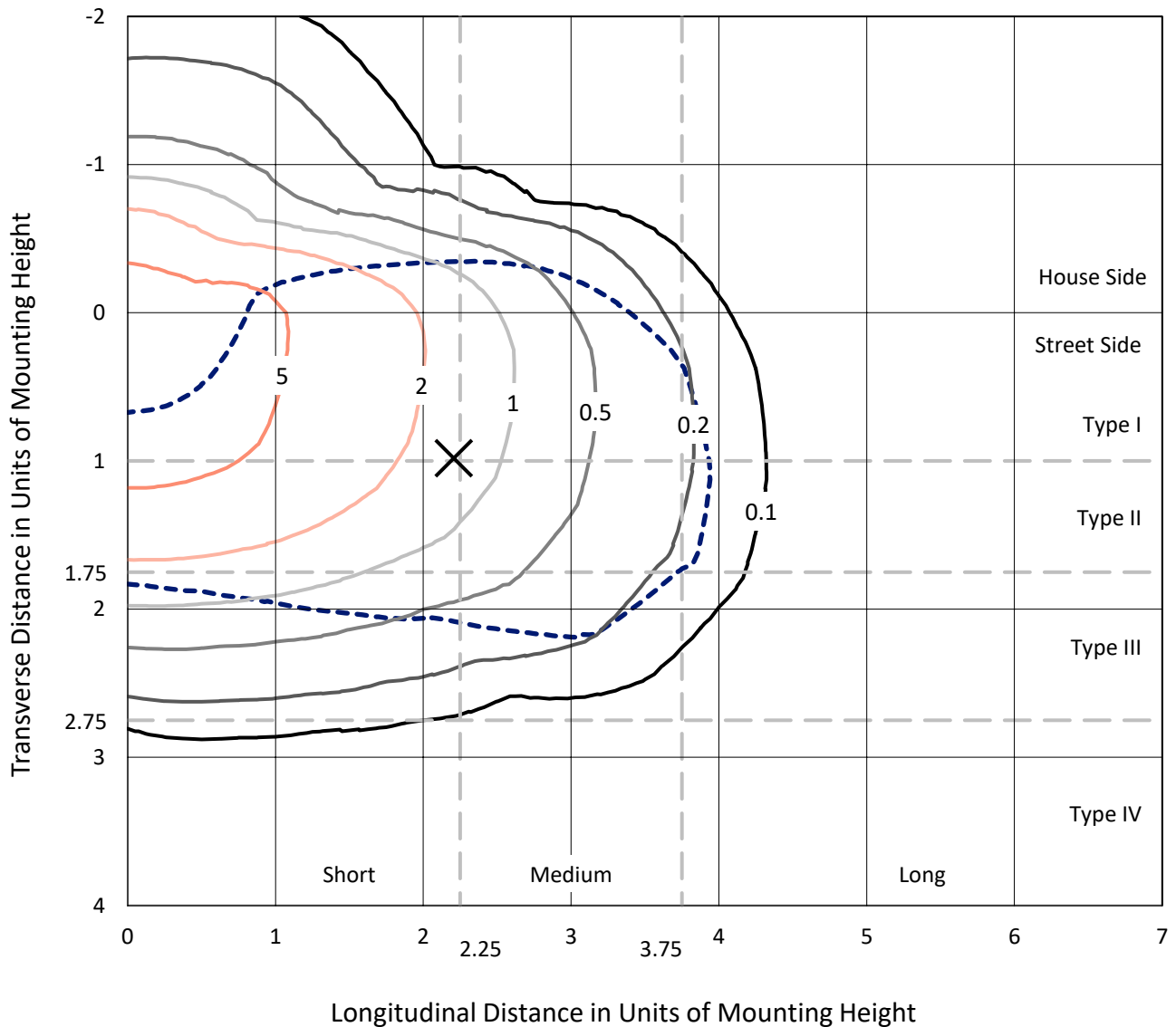
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

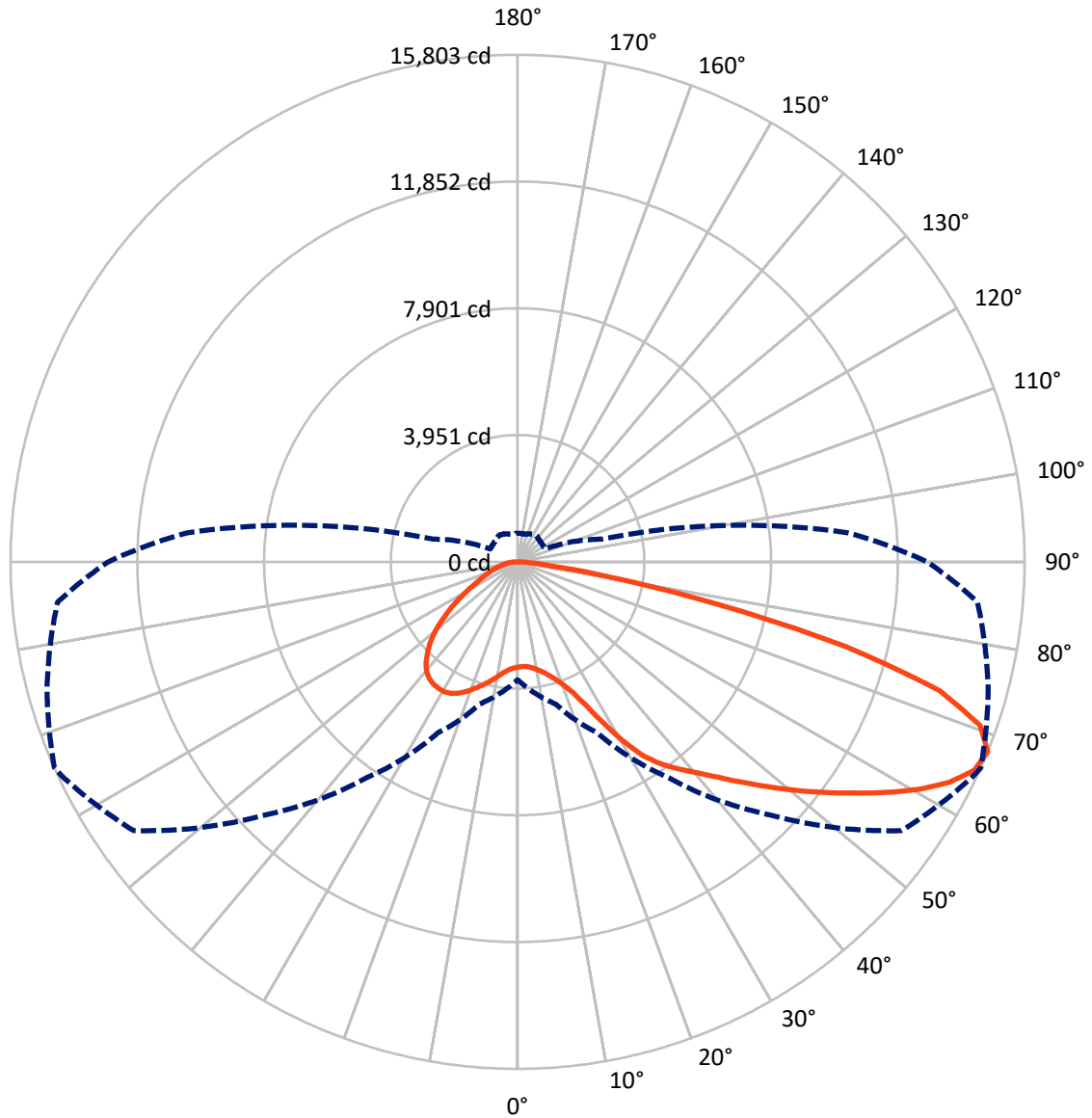
× Max cd
 - - - 1/2 Max cd



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	7360.7	0.0	7360.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	22242.3	0.0	22242.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	29603.0	0.0	29603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.5	1.1
10°-20°	1075.5	3.6
20°-30°	2073.0	7.0
30°-40°	3634.7	12.3
40°-50°	5403.7	18.3
50°-60°	6849.7	23.1
60°-70°	6702.2	22.6
70°-80°	3197.0	10.8
80°-90°	341.7	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°	29603.0	100.0
0°-180°	29603.0	100.0

Coefficient of Utilization

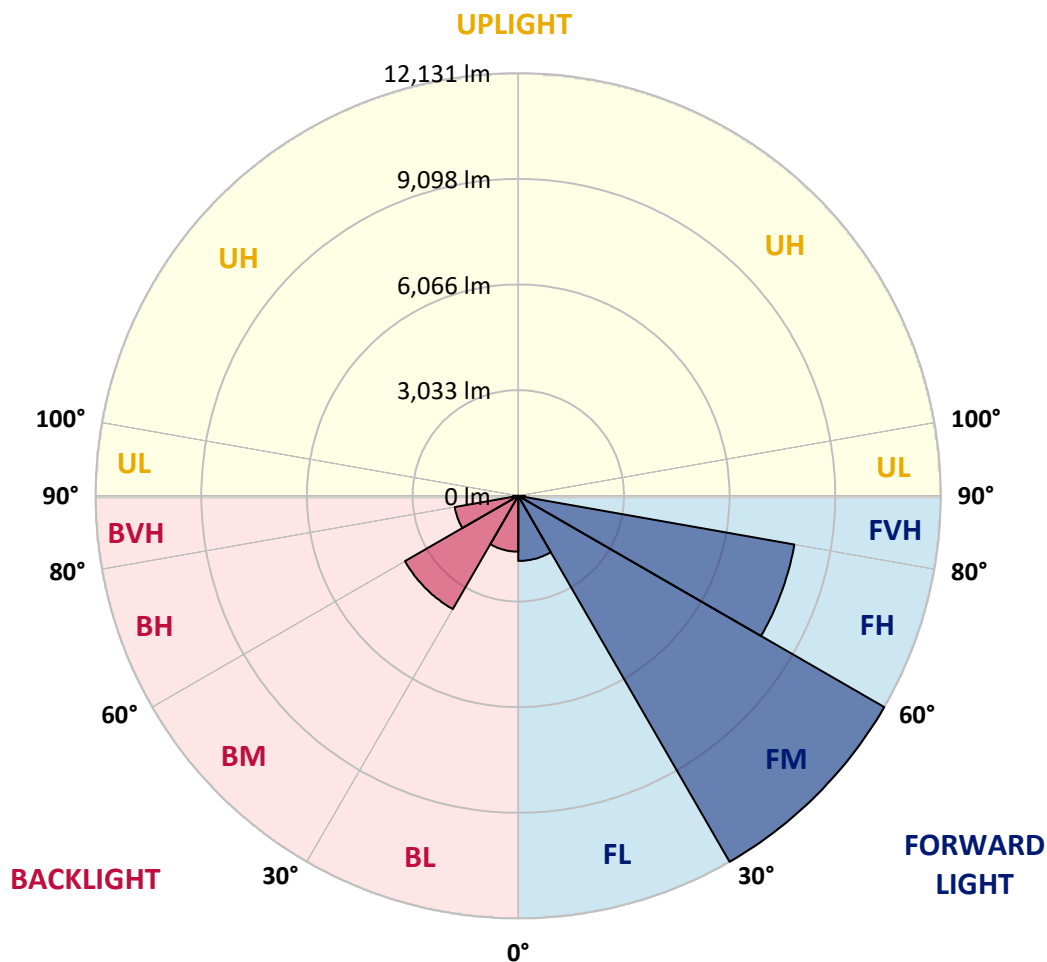


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1870.6	6.3			
FM (30°-60°)	12131.1	41.0			
FH (60°-80°)	8046.9	27.2			G4/12000
FVH (80°-90°)	193.7	0.7			G2/225
BL (0°-30°)	1603.4	5.4	B3/2500		
BM (30°-60°)	3757.0	12.7	B3/5000		
BH (60°-80°)	1852.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	148.0	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°	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4
2.5°	3249.1	3267.8	3263.1	3255.4	3253.8	3256.9	3261.6	3266.3	3264.7	3272.5
5°	3239.8	3258.5	3256.9	3256.9	3263.1	3275.6	3283.4	3291.1	3283.4	3292.7
7.5°	3246.0	3260.0	3266.3	3272.5	3288.0	3311.4	3330.0	3347.1	3337.8	3348.7
10°	3325.4	3336.2	3342.5	3342.5	3353.4	3379.8	3398.5	3429.6	3421.8	3438.9
12.5°	3470.0	3480.9	3480.9	3474.7	3482.4	3499.6	3505.8	3540.0	3526.0	3554.0
15°	3647.3	3669.1	3652.0	3641.1	3644.2	3661.3	3659.8	3686.2	3672.2	3695.5
17.5°	3843.3	3871.3	3843.3	3841.7	3835.5	3854.2	3855.7	3879.1	3854.2	3871.3
20°	4075.0	4113.9	4090.6	4098.4	4084.4	4092.2	4099.9	4134.1	4095.3	4107.7
22.5°	4401.7	4448.3	4423.4	4453.0	4443.7	4437.4	4435.9	4496.5	4435.9	4440.6
25°	4877.6	4933.6	4890.1	4930.5	4930.5	4950.7	4974.0	5051.8	4950.7	4921.2
27.5°	5580.6	5636.6	5551.1	5576.0	5568.2	5618.0	5593.1	5785.9	5677.1	5628.8
30°	6426.7	6526.3	6364.5	6358.3	6350.5	6429.9	6465.6	6593.2	6482.7	6434.5
32.5°	7341.3	7445.5	7252.6	7196.6	7167.1	7215.3	7185.8	7288.4	7212.2	7137.5
35°	8308.7	8411.4	8227.9	8119.0	8000.8	7899.7	7793.9	7820.3	7748.8	7635.3
37.5°	9223.3	9411.5	9217.1	9100.4	8882.7	8685.1	8389.6	8266.7	8199.9	8095.6
40°	10154.9	10262.3	10114.5	10015.0	9778.5	9469.0	8996.2	8736.5	8646.2	8545.1
42.5°	10840.9	10943.5	10864.2	10795.8	10610.7	10251.4	9640.1	9315.0	9184.4	9070.9
45°	11385.2	11461.4	11411.7	11436.6	11357.2	11008.8	10307.4	9935.6	9800.3	9661.9
47.5°	11604.5	11685.4	11764.7	11912.5	12047.8	11791.2	11024.4	10607.6	10464.5	10322.9
50°	11579.7	11662.1	11892.3	12206.5	12626.4	12540.9	11780.3	11323.0	11190.8	11029.1
52.5°	11380.6	11473.9	11769.4	12292.0	12960.8	13102.3	12550.2	12061.8	11937.4	11744.5
55°	10858.0	10914.0	11357.2	12097.6	13040.1	13494.3	13304.5	12848.8	12724.4	12455.3
57.5°	9889.0	9969.9	10615.3	11573.4	12841.0	13760.3	13967.1	13676.3	13556.5	13169.2
60°	8624.5	8753.6	9492.4	10693.1	12334.0	13758.7	14569.1	14489.7	14390.2	13872.3
62.5°	7193.5	7342.9	8053.7	9448.8	11447.4	13368.3	14945.4	15171.0	15119.6	14520.8
65°	5524.6	5627.3	6335.0	7839.0	10067.8	12530.0	14989.0	15636.0	15645.4	15013.9
67.5°	3678.4	3973.9	4588.3	5882.4	8220.1	11159.7	14606.4	15712.2	15802.5	15183.4
70°	1794.9	2183.7	2785.6	3823.1	5882.4	9058.4	13606.3	15087.0	15287.6	14688.8
72.5°	745.0	871.0	1199.2	1886.7	3376.7	6112.6	11596.8	13391.6	13763.4	13015.2
75°	502.4	544.4	685.9	967.4	1538.3	3014.3	8363.2	9985.4	10584.2	9829.9
77.5°	387.3	413.7	499.3	676.6	914.6	1140.1	4476.3	6017.7	6327.2	5857.5
80°	304.9	325.1	373.3	493.0	648.6	609.7	1525.8	2726.5	2905.4	2437.2
82.5°	264.4	272.2	267.5	334.4	430.8	356.2	500.8	1006.3	1110.5	805.7
85°	191.3	213.1	222.4	206.9	228.6	180.4	205.3	356.2	392.0	350.0
87.5°	77.8	115.1	141.5	133.8	84.0	51.3	63.8	104.2	119.8	130.7
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°
3283.4	0°	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4	3283.4
3284.9	2.5°	3286.5	3297.4	3305.1	3314.5	3320.7	3330.0	3348.7	3359.6	3361.1	3368.9
3309.8	5°	3316.0	3331.6	3348.7	3373.6	3401.6	3424.9	3460.7	3485.6	3494.9	3502.7
3370.5	7.5°	3379.8	3401.6	3432.7	3476.2	3516.7	3547.8	3591.3	3620.9	3650.4	3661.3
3466.9	10°	3474.7	3505.8	3550.9	3610.0	3653.5	3694.0	3739.1	3764.0	3793.5	3806.0
3582.0	12.5°	3592.9	3625.5	3684.6	3767.1	3807.5	3835.5	3851.1	3844.8	3851.1	3862.0
3720.4	15°	3728.2	3764.0	3830.9	3919.5	3947.5	3922.6	3888.4	3857.3	3852.6	3855.7
3888.4	17.5°	3888.4	3914.8	3992.6	4067.3	4047.0	3944.4	3869.7	3820.0	3795.1	3787.3
4103.0	20°	4112.4	4112.4	4176.1	4222.8	4087.5	3913.3	3796.6	3715.8	3664.4	3642.7
4395.4	22.5°	4384.6	4359.7	4400.1	4367.4	4079.7	3826.2	3664.4	3524.4	3446.7	3415.6
4804.5	25°	4729.8	4700.3	4689.4	4487.2	4023.7	3687.8	3424.9	3255.4	3186.9	3169.8
5394.0	27.5°	5250.9	5176.2	5034.7	4552.5	3921.1	3470.0	3144.9	2987.8	2949.0	2950.5
6151.4	30°	5944.6	5795.3	5448.4	4563.4	3753.1	3162.0	2858.8	2746.8	2728.1	2735.9
6787.6	32.5°	6586.9	6445.4	5871.5	4513.7	3494.9	2860.3	2602.1	2527.5	2499.5	2508.8
7272.9	35°	7090.9	7052.0	6263.4	4443.7	3177.6	2577.2	2371.9	2308.2	2253.7	2241.3
7730.1	37.5°	7566.8	7551.3	6557.4	4345.7	2863.4	2376.6	2186.8	2102.8	2023.5	1980.0
8235.6	40°	8089.4	8073.9	6750.3	4194.8	2585.0	2202.4	2020.4	1910.0	1812.0	1732.7
8808.0	42.5°	8677.4	8585.6	6842.0	3978.6	2348.6	2054.6	1885.1	1735.8	1606.7	1533.6
9455.0	45°	9319.7	9112.9	6840.5	3703.3	2149.5	1919.3	1740.4	1528.9	1409.2	1340.7
10119.2	47.5°	10001.0	9616.8	6756.5	3398.5	1956.6	1770.0	1516.5	1354.7	1275.4	1233.4
10840.9	50°	10704.0	10088.1	6613.4	3048.5	1759.1	1600.5	1376.5	1266.1	1205.4	1166.5
11556.3	52.5°	11365.0	10515.8	6440.7	2651.9	1558.5	1435.6	1314.3	1228.7	1165.0	1121.4
12250.0	55°	11979.4	10884.4	6196.6	2245.9	1395.2	1325.2	1284.7	1213.2	1140.1	1088.8
12954.6	57.5°	12525.3	11123.9	5775.0	1864.9	1278.5	1249.0	1253.6	1186.7	1102.7	1059.2
13648.3	60°	12979.5	11299.7	5151.4	1511.8	1183.6	1174.3	1205.4	1137.0	1039.0	989.2
14234.7	62.5°	13251.7	11296.6	4386.1	1238.1	1102.7	1105.9	1141.6	1074.8	975.2	928.5
14541.1	65°	13228.3	11019.7	3546.2	1059.2	1025.0	1028.1	1074.8	1006.3	922.3	894.3
14387.1	67.5°	12760.2	10344.7	2720.3	942.5	939.4	953.4	1007.9	959.7	889.7	886.6
13469.4	70°	11492.6	8943.3	1959.8	849.2	850.8	871.0	942.5	930.1	872.6	878.8
11324.6	72.5°	9215.5	6818.7	1315.8	751.2	752.8	785.5	880.3	906.8	855.4	937.9
8035.0	75°	6137.4	4252.4	846.1	647.0	648.6	690.6	825.9	861.7	808.8	934.8
4180.8	77.5°	2949.0	1911.5	612.8	544.4	544.4	583.3	713.9	771.5	689.0	726.4
1343.8	80°	1018.8	718.6	482.2	438.6	429.3	455.7	601.9	668.8	594.1	547.5
438.6	82.5°	401.3	373.3	387.3	340.6	309.5	326.6	468.2	552.2	437.1	395.1
247.3	85°	230.2	242.6	273.7	225.5	178.9	200.6	343.7	396.6	329.7	290.9
80.9	87.5°	62.2	85.5	126.0	116.7	80.9	85.5	163.3	219.3	189.8	146.2
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°
3283.4
3367.4
3501.1
3662.9
3812.2
3865.1
3866.6
3798.2
3638.0
3410.9
3172.9
2955.2
2762.3
2521.2
2250.6
1981.5
1740.4
1538.3
1337.6
1224.1
1152.5
1102.7
1068.5
1031.2
967.4
914.6
892.8
891.2
877.2
950.3
942.5
665.7
513.3
393.5
297.1
150.9
0.0

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