

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: P853123

Luminaire Tested: **GLAN-SB8D-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853123
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-SB8D-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 72326 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B5 - U0 - G5

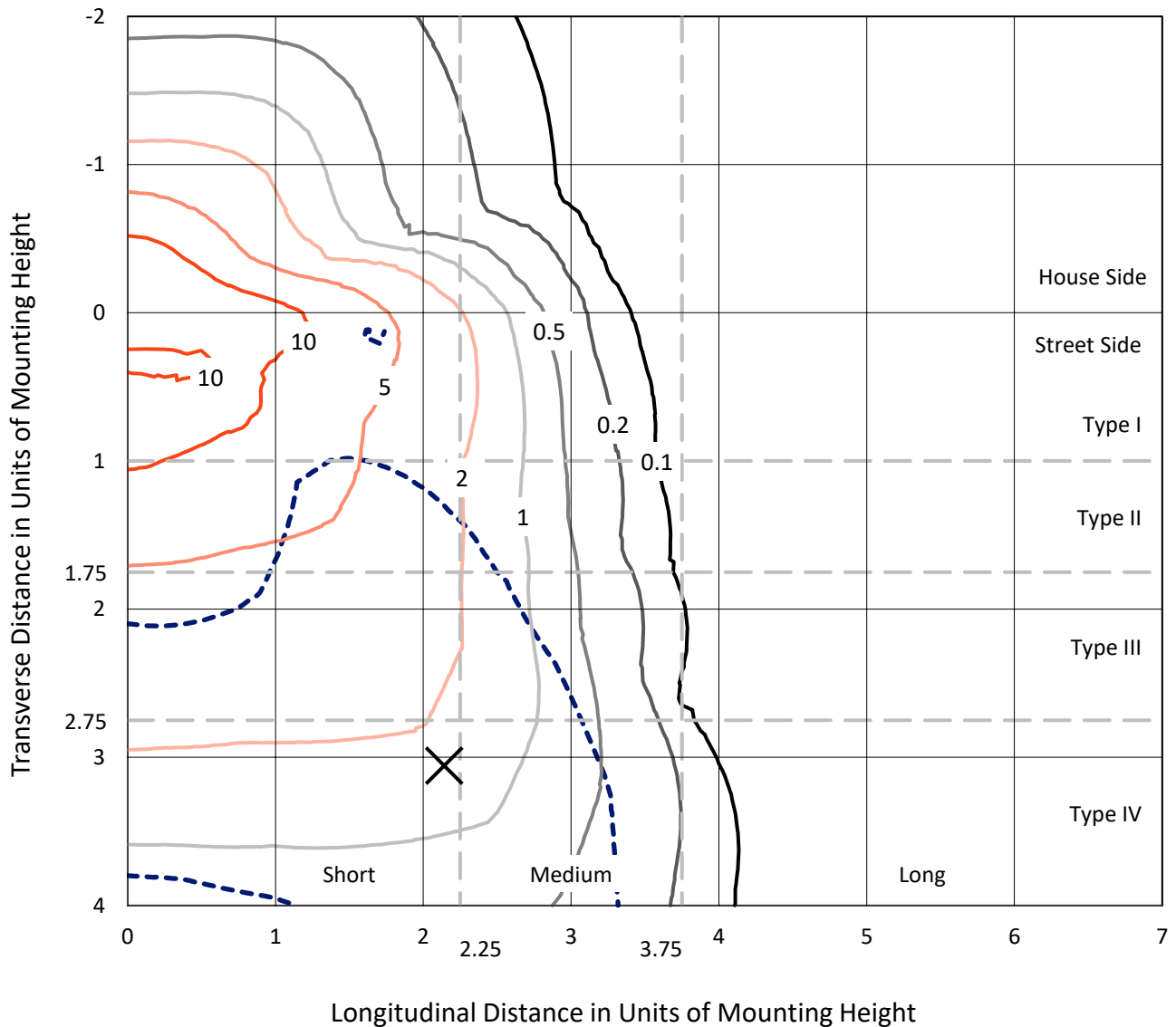
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

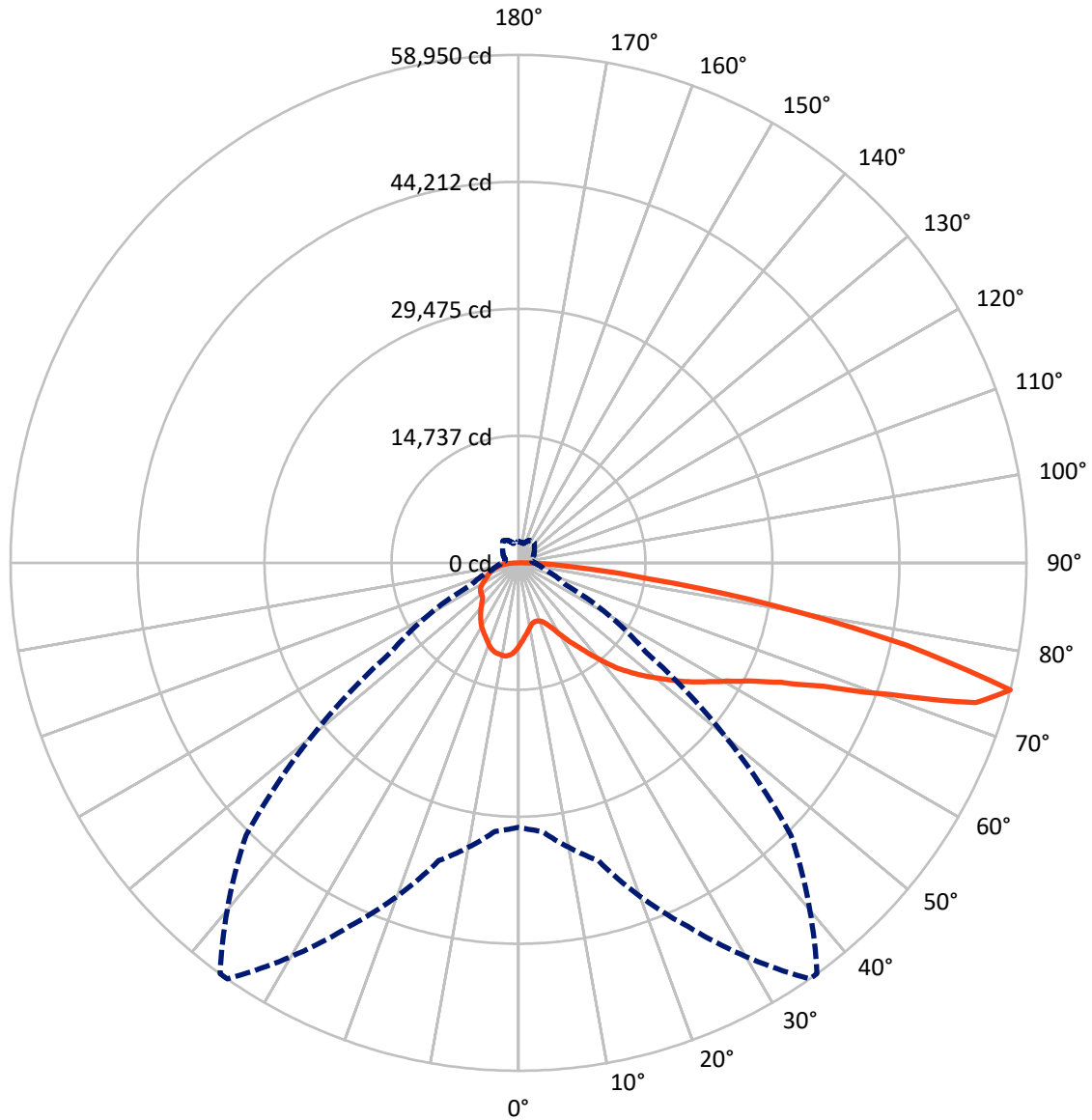
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 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	17211.8	0.0	17211.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	55114.2	0.0	55114.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	72326.0	0.0	72326.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	912.5	1.3
10°-20°	2632.1	3.6
20°-30°	4420.0	6.1
30°-40°	6869.3	9.5
40°-50°	10195.8	14.1
50°-60°	14075.9	19.5
60°-70°	17077.3	23.6
70°-80°	14113.1	19.5
80°-90°	2029.9	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°	72326.0	100.0
0°-180°	72326.0	100.0

Coefficient of Utilization

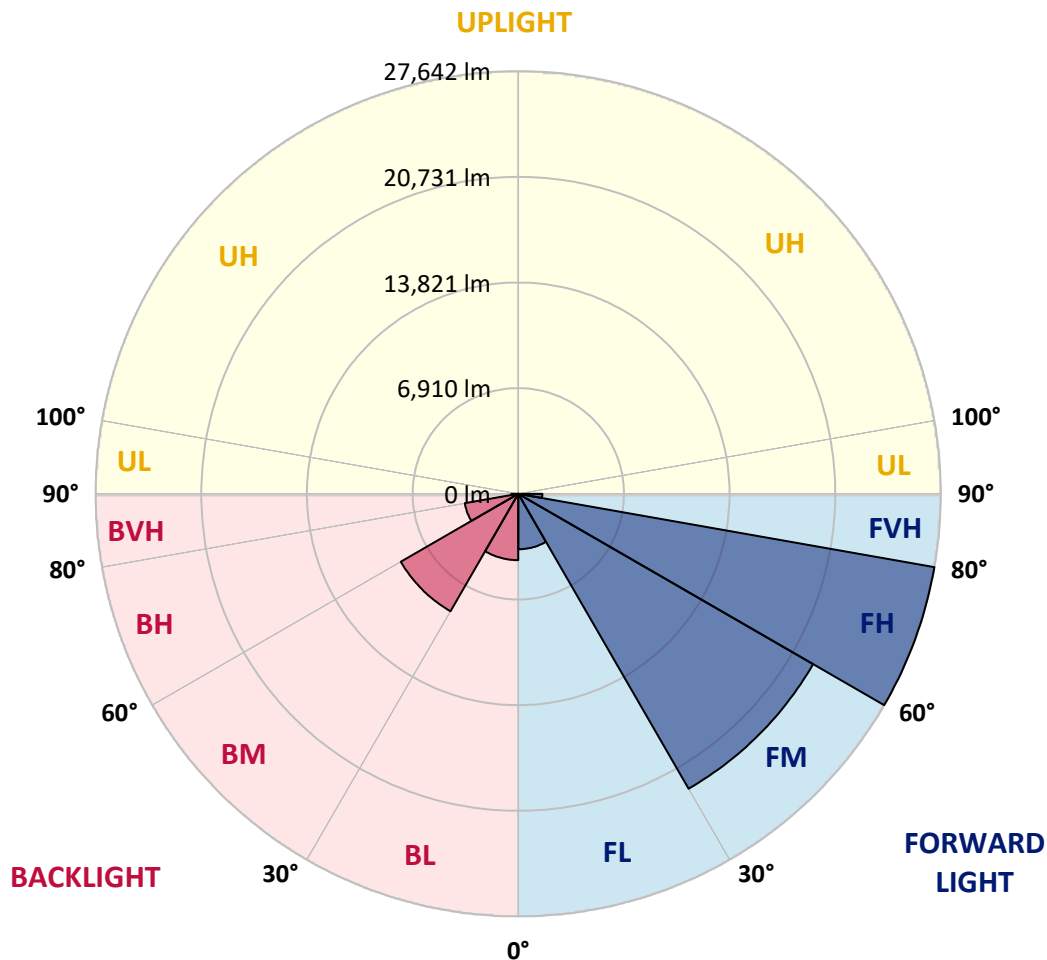


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3627.0	5.0			
FM (30°-60°)	22272.5	30.8			
FH (60°-80°)	27641.9	38.2			G5
FVH (80°-90°)	1572.8	2.2			G5
BL (0°-30°)	4337.6	6.0	B4/5000		
BM (30°-60°)	8868.6	12.3	B5		
BH (60°-80°)	3548.5	4.9	B4/5000		G4/5000
BVH (80°-90°)	457.1	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9
2.5°	8887.2	8942.0	8965.4	8953.7	9012.3	9004.5	9086.6	9188.3	9329.0	9465.9
5°	8203.0	8261.6	8312.5	8359.4	8472.8	8508.0	8637.0	8832.5	9090.5	9352.5
7.5°	7565.7	7616.5	7694.7	7780.7	7972.3	8007.5	8222.5	8527.5	8887.2	9270.4
10°	7045.7	7096.5	7178.6	7276.3	7514.8	7557.9	7831.6	8238.2	8707.4	9192.2
12.5°	6822.8	6838.4	6885.4	6983.1	7190.3	7217.7	7518.8	7984.0	8531.4	9133.6
15°	6811.1	6842.3	6846.3	6897.1	7069.1	7080.8	7358.5	7819.8	8421.9	9121.8
17.5°	6928.4	6951.8	6916.6	6947.9	7092.6	7112.1	7331.1	7741.6	8386.8	9172.6
20°	7241.2	7260.7	7155.1	7112.1	7217.7	7233.3	7448.4	7792.5	8421.9	9278.2
22.5°	7905.8	7917.6	7659.5	7483.6	7491.4	7499.2	7686.9	7999.7	8558.8	9469.8
25°	8942.0	8934.1	8523.6	8183.4	7987.9	7944.9	8070.1	8335.9	8789.5	9723.9
27.5°	10154.0	10095.4	9684.8	9176.6	8750.4	8687.8	8660.5	8773.8	9117.9	10060.2
30°	11522.5	11467.8	11025.9	10361.3	9770.9	9669.2	9411.2	9352.5	9606.6	10517.7
32.5°	13023.9	12988.7	12460.9	11655.4	10865.6	10748.3	10314.3	10157.9	10357.4	11209.7
35°	14282.9	14251.6	13813.7	12984.8	12019.1	11874.4	11432.6	11256.6	11358.3	12097.3
37.5°	15420.7	15405.0	15029.7	14376.7	13379.7	13203.8	12707.2	12648.6	12629.0	13266.3
40°	16476.4	16437.3	16046.3	15702.2	14963.2	14802.9	14365.0	14314.2	14165.6	14705.2
42.5°	17645.4	17543.8	16976.8	16816.5	16617.1	16484.2	16222.2	16230.0	15901.6	16327.8
45°	18599.4	18540.8	17958.2	17864.4	18079.4	18024.7	18251.5	18310.1	17672.8	18028.6
47.5°	19623.8	19569.1	19076.5	19010.0	19592.6	19608.2	20409.7	20429.3	19401.0	19795.9
50°	20886.7	20808.5	20319.8	20401.9	21054.9	21113.5	22579.7	22446.8	20992.3	21590.5
52.5°	21719.6	21766.5	21660.9	21793.8	22685.3	22740.0	24714.5	24374.4	22568.0	23361.7
55°	22333.4	22427.2	22755.7	23060.7	24405.7	24460.4	26728.1	26208.1	23873.9	25003.9
57.5°	23123.2	22990.3	23604.1	24198.4	26040.0	26184.7	28687.0	27975.4	25031.2	26419.3
60°	24257.1	24163.2	24640.3	25520.0	27869.8	28100.5	30759.3	29566.7	25879.7	27541.4
62.5°	26556.1	26321.5	26395.8	27173.9	30176.7	30481.7	33097.4	30954.8	26302.0	27979.3
65°	29992.9	29590.2	29214.8	29754.4	33425.8	33726.9	35736.6	32045.6	26145.6	27130.9
67.5°	34321.2	33922.4	33461.0	33969.3	38211.6	38450.1	38993.5	32659.5	24913.9	23862.2
70°	37890.9	37742.4	38293.7	40385.5	45855.4	45863.2	43169.3	32151.2	21539.7	16918.2
72.5°	37417.8	37327.9	40233.0	46700.0	55489.4	55282.2	47122.2	28303.8	14509.7	7632.1
75°	30696.7	31279.3	35779.6	46586.6	58949.7	58922.3	44702.0	17993.4	6001.7	3163.1
77.5°	16460.7	17383.5	23228.8	34395.5	46019.6	46711.7	31427.9	6295.0	2576.6	2025.3
80°	5368.3	6173.7	9258.7	17512.5	29903.0	29774.0	13469.6	2471.1	1763.4	1434.9
82.5°	2279.5	2373.3	4136.7	8269.5	15346.4	15107.9	4289.2	1419.3	1239.4	981.4
85°	891.5	997.0	1825.9	3823.9	6646.8	6502.2	1548.3	703.8	793.7	641.2
87.5°	293.2	355.8	653.0	1309.8	2068.3	1994.1	379.3	242.4	344.1	293.2
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°
9637.9	0°	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9	9637.9
9665.3	2.5°	9720.0	9782.6	9856.9	9966.4	10060.2	10138.4	10220.5	10271.3	10290.9	10349.5
9680.9	5°	9790.4	9927.3	10111.0	10290.9	10466.8	10572.4	10666.2	10713.2	10756.2	10787.4
9723.9	7.5°	9907.7	10083.7	10373.0	10607.6	10756.2	10842.2	10904.7	10889.1	10904.7	10912.6
9770.9	10°	10009.4	10255.7	10599.8	10822.6	10936.0	10939.9	10924.3	10869.6	10842.2	10846.1
9841.2	12.5°	10130.6	10404.3	10775.7	10963.4	10994.7	10908.6	10842.2	10748.3	10713.2	10697.5
9946.8	15°	10294.8	10607.6	10967.3	11037.7	10959.5	10850.0	10736.6	10584.1	10505.9	10443.4
10126.7	17.5°	10494.2	10838.3	11115.9	11065.0	10896.9	10717.1	10533.3	10302.6	10142.3	10075.8
10373.0	20°	10771.8	11080.7	11229.3	11006.4	10752.3	10478.6	10165.8	9884.3	9735.7	9669.2
10685.8	22.5°	11108.1	11405.2	11338.7	10904.7	10545.0	10107.1	9716.1	9508.9	9434.6	9387.7
11088.5	25°	11510.8	11764.9	11416.9	10756.2	10204.9	9614.5	9313.4	9246.9	9211.7	9176.6
11581.2	27.5°	12034.7	12171.6	11475.6	10537.2	9673.1	9090.5	8981.1	8992.8	8981.1	8922.4
12265.4	30°	12726.8	12699.4	11530.3	10181.4	9063.2	8617.4	8625.3	8676.1	8683.9	8644.8
13219.4	32.5°	13637.8	13360.2	11557.7	9720.0	8480.6	8203.0	8210.8	8265.6	8304.6	8238.2
14466.7	35°	14740.4	14130.4	11514.7	9141.4	8031.0	7808.1	7749.4	7765.1	7776.8	7714.3
15979.8	37.5°	16026.7	14994.5	11323.1	8500.1	7659.5	7421.0	7295.9	7190.3	7127.8	7069.1
17692.3	40°	17438.2	15936.8	10971.2	7874.6	7245.1	7010.5	6822.8	6623.4	6412.3	6334.1
19506.5	42.5°	18916.1	16906.5	10545.0	7276.3	6768.1	6576.5	6377.1	6087.7	5771.0	5610.7
21391.1	45°	20448.8	17899.6	10126.7	6685.9	6279.3	6197.2	5966.5	5618.5	5274.5	5071.2
23279.6	47.5°	21950.2	18837.9	9512.8	6091.6	5821.9	5911.8	5731.9	5411.3	5028.1	4707.5
25152.5	50°	23385.2	19717.7	8508.0	5489.5	5450.4	5825.8	5653.7	5192.4	4754.5	4343.9
26990.1	52.5°	24808.4	20429.3	7221.6	4942.1	5251.0	5802.3	5552.1	5043.8	4508.1	4078.0
28718.3	55°	26016.5	20796.8	5982.2	4472.9	4961.7	5602.9	5430.9	4867.8	4160.1	3702.7
29903.0	57.5°	26704.7	20499.7	4949.9	4011.6	4562.9	5274.5	5223.6	4492.5	3745.7	3393.8
30133.7	60°	26407.5	19295.4	4105.4	3608.8	4183.6	4918.7	4863.9	4121.0	3429.0	3096.6
28898.1	62.5°	24769.3	17000.3	3436.8	3257.0	3839.5	4555.0	4504.2	3835.6	3186.6	2866.0
25617.7	65°	21469.3	13829.4	2916.8	2963.7	3491.5	4117.1	4191.4	3597.1	2995.0	2682.2
19819.3	67.5°	16374.7	10017.2	2510.2	2709.6	3151.4	3687.0	3902.1	3425.1	2834.7	2537.5
11467.8	70°	9333.0	5688.9	2166.1	2463.2	2850.3	3288.2	3679.2	3288.2	2662.6	2416.3
4297.0	72.5°	3538.5	2611.8	1872.8	2216.9	2561.0	2952.0	3432.9	3073.2	2463.2	2279.5
2220.8	75°	1888.5	1591.3	1575.7	1927.6	2228.6	2623.5	3124.0	2862.1	2314.7	2408.5
1536.6	77.5°	1286.4	1126.1	1317.6	1650.0	1865.0	2259.9	2795.6	2541.4	2005.8	1998.0
1063.5	80°	891.5	797.6	1071.3	1329.4	1442.8	1900.2	2439.8	2181.7	1634.3	1524.9
656.9	82.5°	535.7	520.0	801.5	993.1	1020.5	1466.2	2021.4	1829.8	1337.2	1165.2
391.0	85°	293.2	308.9	512.2	582.6	594.3	1024.4	1583.5	1415.4	1028.3	864.1
140.8	87.5°	82.1	105.6	187.7	230.7	285.4	531.7	942.3	840.6	516.1	359.7
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°
9637.9
10345.6
10795.3
10924.3
10853.9
10689.7
10462.9
10079.7
9661.4
9395.5
9176.6
8934.1
8664.4
8269.5
7757.3
7108.2
6369.2
5630.3
5055.5
4672.3
4308.7
4031.1
3663.6
3346.9
3049.7
2815.1
2631.4
2490.6
2385.0
2248.2
2486.7
1841.6
1458.4
1173.0
871.9
359.7
0.0

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