

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: P850995

Luminaire Tested: **GLAN-SB8D-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850995
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 58964 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

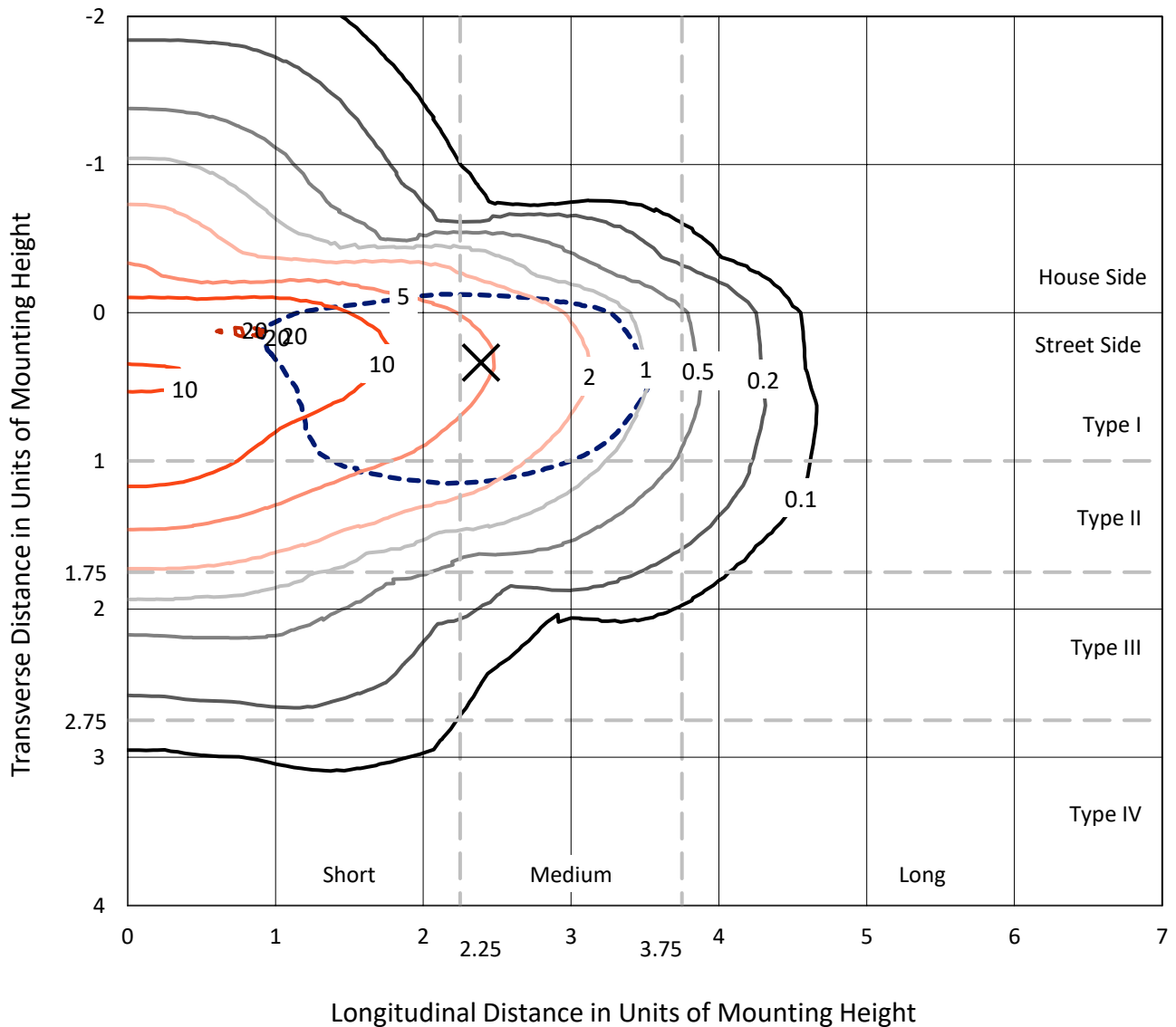
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

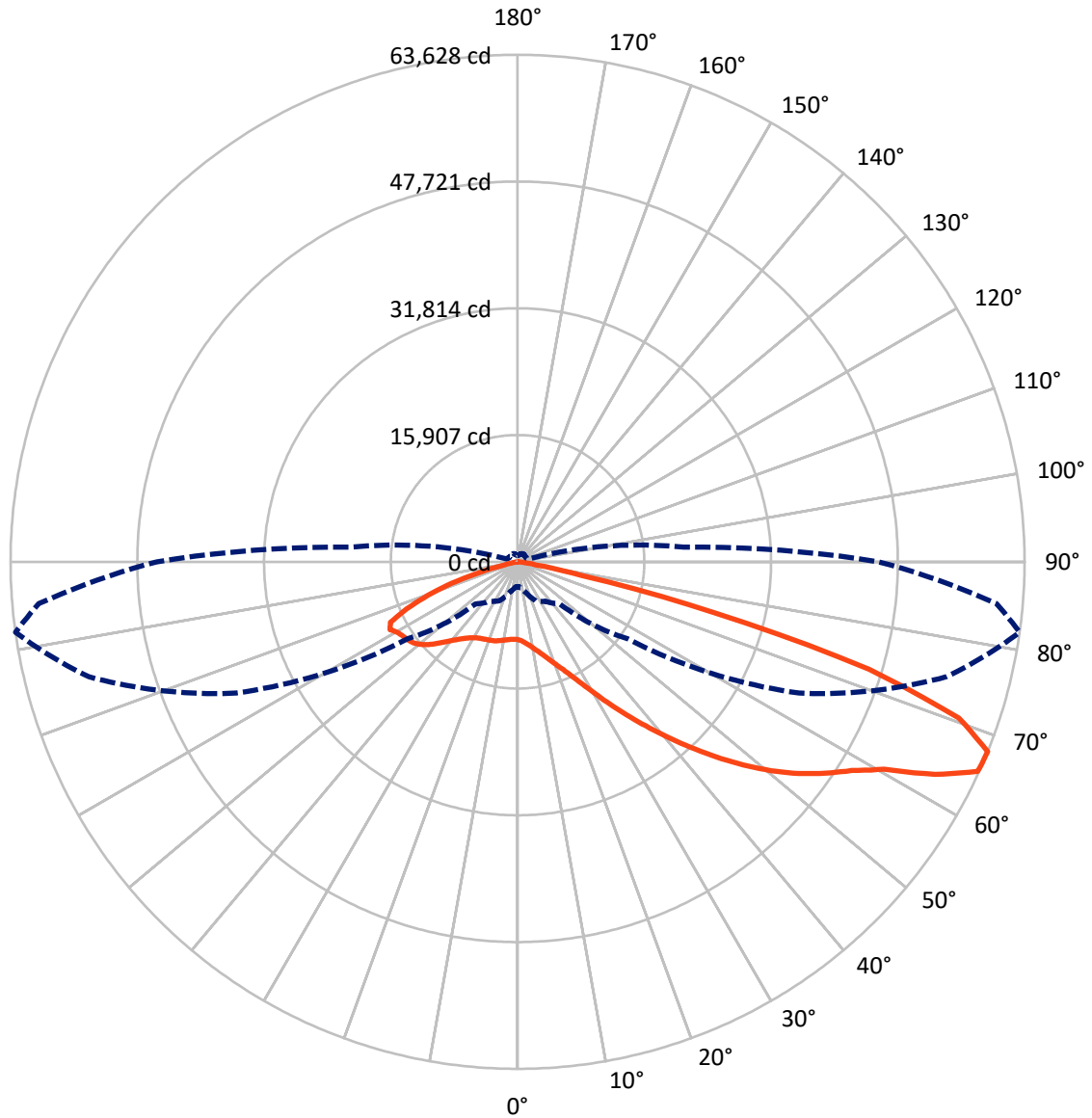
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10680.8	0.0	10680.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	48283.2	0.0	48283.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	58964.0	0.0	58964.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	870.3	1.5
10°-20°	2261.5	3.8
20°-30°	3622.2	6.1
30°-40°	6405.2	10.9
40°-50°	11222.6	19.0
50°-60°	14967.8	25.4
60°-70°	13934.2	23.6
70°-80°	5347.9	9.1
80°-90°	332.2	0.6
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°	58964.0	100.0
0°-180°	58964.0	100.0

Coefficient of Utilization

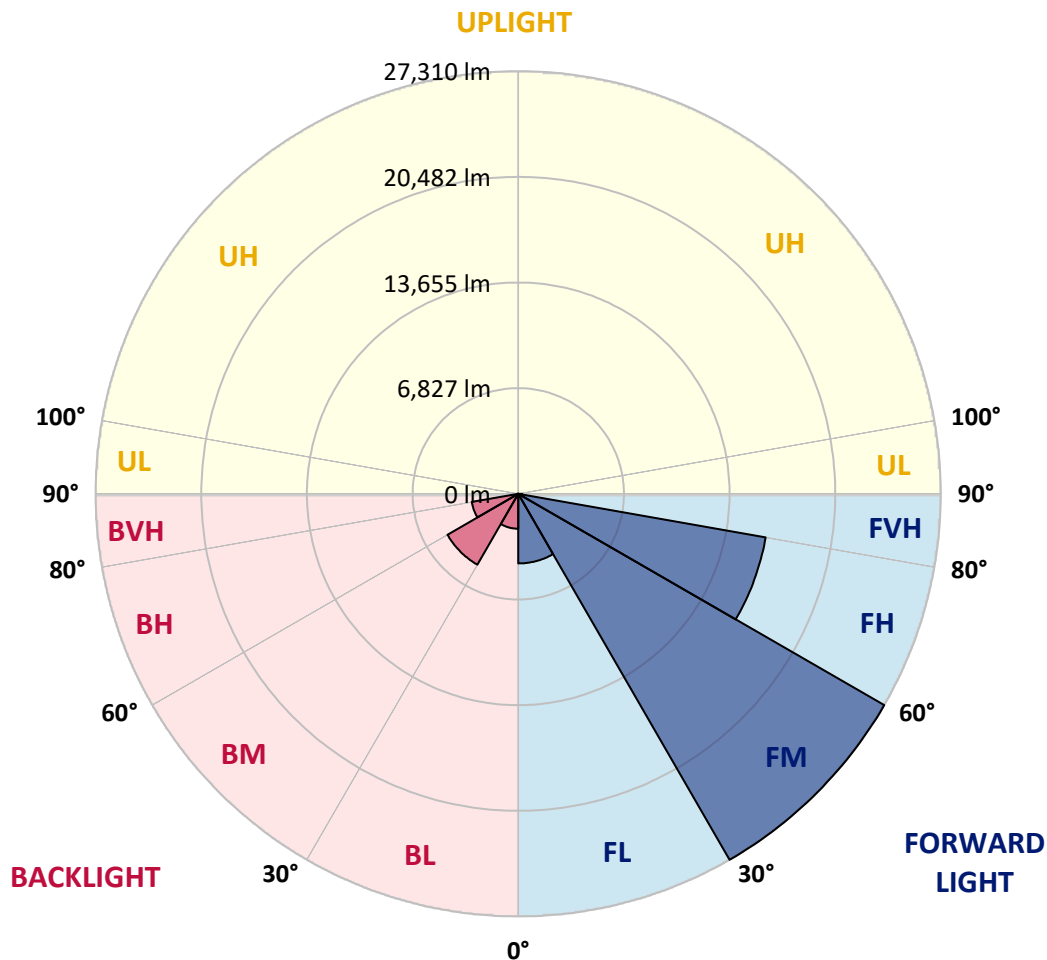


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4498.3	7.6			
FM (30°-60°)	27309.7	46.3			
FH (60°-80°)	16233.7	27.5			G5
FVH (80°-90°)	241.5	0.4			G3/500
BL (0°-30°)	2255.8	3.8	B3/2500		
BM (30°-60°)	5285.9	9.0	B4/8500		
BH (60°-80°)	3048.5	5.2	B4/5000		G4/5000
BVH (80°-90°)	90.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3
2.5°	10324.5	10383.9	10349.9	10333.0	10303.2	10260.8	10226.8	10120.7	10010.3	9938.1
5°	10532.5	10591.9	10587.7	10604.7	10625.9	10638.6	10630.1	10511.3	10354.2	10231.1
7.5°	10354.2	10422.1	10477.3	10562.2	10710.8	10867.9	10944.3	10918.8	10757.5	10587.7
10°	9849.0	9921.2	10052.8	10252.3	10566.4	10906.1	11190.5	11322.1	11220.2	11033.4
12.5°	8923.5	8995.7	9254.7	9687.7	10214.1	10804.2	11347.6	11699.9	11725.4	11538.6
15°	7883.4	7955.6	8231.6	8774.9	9577.3	10524.0	11432.5	12099.0	12324.0	12162.7
17.5°	7238.2	7301.8	7509.9	7947.1	8783.4	9963.6	11402.8	12523.5	13037.2	12909.8
20°	7042.9	7098.1	7195.7	7501.4	8197.6	9382.0	11207.5	12922.6	13805.6	13733.4
22.5°	7250.9	7301.8	7331.6	7467.4	7904.7	8999.9	10961.3	13330.1	14697.1	14705.6
25°	7730.6	7781.6	7747.6	7832.5	8023.5	8881.1	10867.9	13809.8	15817.8	15911.2
27.5°	8520.2	8524.5	8443.8	8439.6	8469.3	9059.4	10965.5	14323.5	17231.5	17405.6
30°	10103.7	10040.0	9730.1	9394.8	9241.9	9594.3	11237.2	14930.6	18899.9	19209.8
32.5°	12544.7	12451.3	11882.5	11080.1	10273.5	10456.1	11725.4	15622.6	20716.9	21277.2
35°	15193.8	15168.3	14574.0	13381.1	11971.6	11683.0	12519.3	16531.0	22699.4	23590.9
37.5°	17656.0	17643.3	17303.7	15898.5	14183.4	13393.8	13792.8	17719.7	24822.0	26112.6
40°	19906.0	19944.2	19604.6	18348.0	16620.2	15588.6	15524.9	19188.6	27182.4	28859.3
42.5°	21850.3	21892.8	21548.9	20619.2	19027.2	18016.9	17651.8	20988.6	29487.6	31809.7
45°	23170.6	23433.8	23382.9	22640.0	21498.0	20449.4	20207.4	23247.0	32115.4	34938.5
47.5°	23544.2	23786.2	24168.3	24270.1	23573.9	22542.3	22831.0	25968.2	34772.9	38071.5
50°	22623.0	22848.0	23641.8	24698.9	25182.9	24864.5	25382.4	28884.7	37494.1	41196.0
52.5°	20806.0	21035.3	22037.1	23709.8	25683.8	26685.7	27942.3	31758.8	40130.4	44154.9
55°	18178.2	18420.2	19706.5	21599.9	24728.6	27437.1	30077.7	34628.6	42546.0	46816.7
57.5°	14603.7	14782.0	16119.2	18768.3	22325.8	26689.9	31652.6	37761.6	44821.4	49431.8
60°	9517.9	9674.9	11228.7	14183.4	18343.8	24193.7	31966.8	41255.4	47844.1	52832.2
62.5°	6329.7	6435.8	7357.0	9526.4	12918.3	19400.8	30128.6	44044.6	52276.1	58750.1
65°	4342.9	4449.0	5370.3	6881.6	8346.2	12833.4	24843.3	43675.2	56292.1	63449.6
67.5°	3099.0	3188.2	3969.3	5395.7	6041.0	7454.7	16840.9	38954.5	55714.8	63627.9
70°	2220.3	2271.2	2916.5	4202.8	4801.4	4478.7	9365.0	29793.2	48782.3	58754.4
72.5°	1553.8	1570.7	2025.0	3200.9	3867.4	3268.8	4457.5	19863.6	36895.5	46116.2
75°	1052.8	1074.1	1362.7	2347.6	3103.3	2496.2	2360.4	10651.4	21659.3	25526.7
77.5°	645.3	653.8	878.8	1604.7	2322.2	1901.9	1519.8	4512.7	8380.1	8227.3
80°	365.1	365.1	560.4	997.6	1583.5	1226.9	1065.6	1918.9	2653.3	2330.6
82.5°	203.8	208.0	407.5	619.8	1048.6	725.9	585.8	887.3	1146.2	1014.6
85°	84.9	93.4	250.5	292.9	500.9	360.8	237.7	373.6	424.5	377.8
87.5°	8.5	12.7	76.4	55.2	59.4	72.2	34.0	72.2	59.4	59.4
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°
9768.3	0°	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3	9768.3
9912.7	2.5°	9832.0	9768.3	9607.0	9420.2	9174.0	9055.1	8893.8	8783.4	8690.0	8698.5
10158.9	5°	10023.1	9861.7	9500.9	9050.9	8490.5	8091.5	7666.9	7374.0	7136.3	7085.3
10498.5	7.5°	10286.3	10031.5	9399.0	8588.2	7641.5	6924.0	6283.0	5871.2	5578.3	5484.9
10910.3	10°	10625.9	10256.5	9267.4	8006.6	6643.8	5731.1	5043.4	4720.7	4521.2	4453.3
11394.3	12.5°	11020.7	10515.5	9093.3	7297.6	5616.5	4737.7	4300.4	4139.1	4075.4	4054.2
11988.6	15°	11517.4	10838.1	8830.1	6457.0	4746.2	4130.6	3943.8	3922.6	3931.1	3922.6
12701.8	17.5°	12107.5	11190.5	8401.4	5591.0	4160.4	3820.7	3752.8	3769.8	3791.0	3786.8
13499.9	20°	12752.8	11538.6	7853.7	4822.6	3761.3	3600.0	3561.8	3578.8	3595.7	3587.2
14421.1	22.5°	13487.2	11912.2	7246.7	4224.0	3493.8	3396.2	3353.8	3358.0	3358.0	3341.0
15588.6	25°	14366.0	12324.0	6609.9	3799.5	3290.1	3213.7	3162.7	3145.7	3120.3	3069.3
17006.5	27.5°	15414.5	12761.2	5998.5	3502.3	3128.8	3056.6	2997.2	2954.7	2891.0	2806.1
18708.9	30°	16594.7	13291.9	5480.6	3315.5	3001.4	2929.2	2861.3	2797.6	2704.2	2598.1
20665.9	32.5°	17982.9	13860.8	5102.8	3192.4	2886.8	2810.4	2729.7	2653.3	2551.4	2445.3
22865.0	35°	19638.6	14548.5	4882.0	3107.5	2797.6	2695.7	2606.6	2521.7	2445.3	2351.9
25255.0	37.5°	21434.3	15278.7	4814.1	3065.1	2738.2	2581.1	2479.2	2419.8	2411.3	2356.1
27840.4	40°	23399.9	16144.7	4865.1	3039.6	2674.5	2470.7	2360.4	2347.6	2368.9	2271.2
30604.1	42.5°	25480.0	17172.1	4950.0	3009.9	2585.4	2360.4	2254.2	2254.2	2237.3	2101.4
33524.8	45°	27730.0	18356.5	5034.9	2937.7	2479.2	2250.0	2169.3	2139.6	2067.4	1935.8
36462.5	47.5°	29997.0	19562.2	5098.6	2806.1	2351.9	2156.6	2084.4	2016.5	1910.4	1791.5
39345.1	50°	32149.3	20644.7	5030.6	2610.8	2207.5	2067.4	1991.0	1897.6	1783.0	1702.3
42074.8	52.5°	34072.4	21582.9	4742.0	2381.6	2054.7	1974.0	1906.1	1808.5	1715.1	1630.2
44537.0	55°	35745.1	22342.8	4232.5	2165.1	1918.9	1893.4	1825.5	1702.3	1575.0	1502.8
46978.0	57.5°	37349.8	22920.1	3595.7	1986.8	1795.7	1804.2	1702.3	1592.0	1473.1	1396.7
50268.1	60°	39485.1	23692.8	2950.5	1821.2	1664.1	1689.6	1579.2	1498.6	1350.0	1252.4
55910.1	62.5°	42898.3	24894.2	2343.4	1617.4	1511.3	1519.8	1473.1	1375.5	1197.2	1082.5
60091.6	65°	45606.8	24452.7	1846.7	1396.7	1337.3	1350.0	1350.0	1243.9	1052.8	921.2
60316.6	67.5°	45301.2	20937.6	1473.1	1180.2	1171.7	1180.2	1209.9	1120.7	934.0	827.8
55723.3	70°	41730.9	16654.1	1180.2	980.7	1018.9	997.6	1082.5	1023.1	840.6	734.4
43199.7	72.5°	34051.2	11997.1	900.0	810.8	781.1	815.1	976.4	921.2	700.5	581.6
22881.9	75°	19897.5	6401.8	670.8	641.0	564.6	679.2	866.0	785.4	534.9	428.8
7013.2	77.5°	6478.3	2233.0	492.4	471.2	420.3	547.6	738.7	662.3	437.3	339.6
2054.7	80°	1736.3	675.0	335.4	309.9	271.7	407.5	585.8	526.4	314.1	220.8
883.0	82.5°	696.2	284.4	195.3	174.1	148.6	280.2	462.7	424.5	233.5	140.1
275.9	85°	225.0	93.4	72.2	55.2	67.9	174.1	275.9	288.7	165.6	72.2
42.5	87.5°	29.7	12.7	12.7	17.0	12.7	29.7	84.9	80.7	46.7	8.5
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°
9768.3
8613.6
6970.7
5391.5
4402.3
4041.5
3918.4
3778.3
3583.0
3332.5
3060.8
2797.6
2589.6
2449.5
2343.4
2351.9
2275.5
2101.4
1931.6
1787.3
1689.6
1621.7
1494.3
1388.2
1239.6
1074.1
908.5
810.8
721.7
568.9
416.0
326.9
216.5
140.1
55.2
0.0
0.0

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