

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: P850315

Luminaire Tested: **GLAN-SB7D-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850315
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-SB7D-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 51858 lumens
Efficiency: N/A
Efficacy: 101.1 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

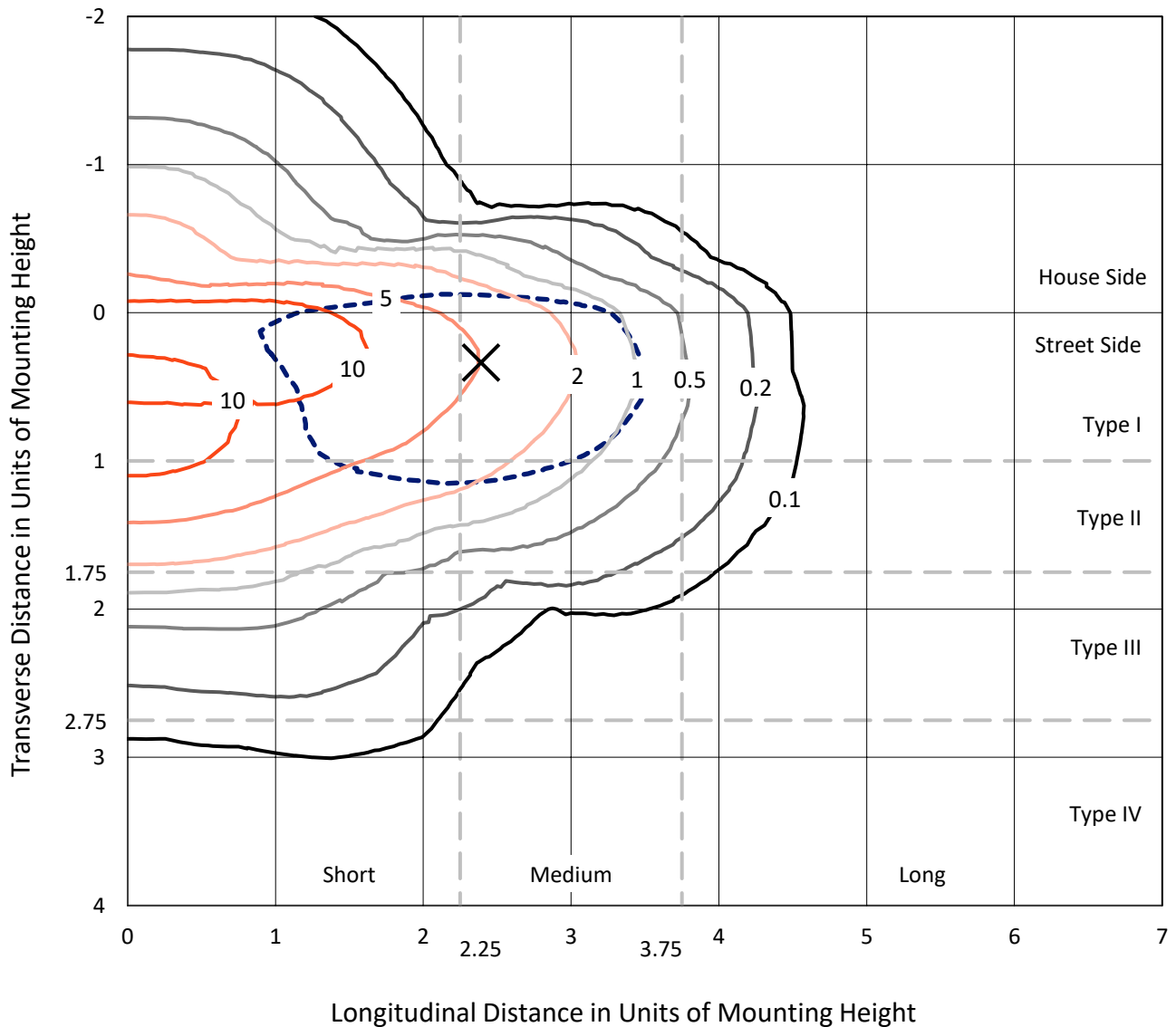
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

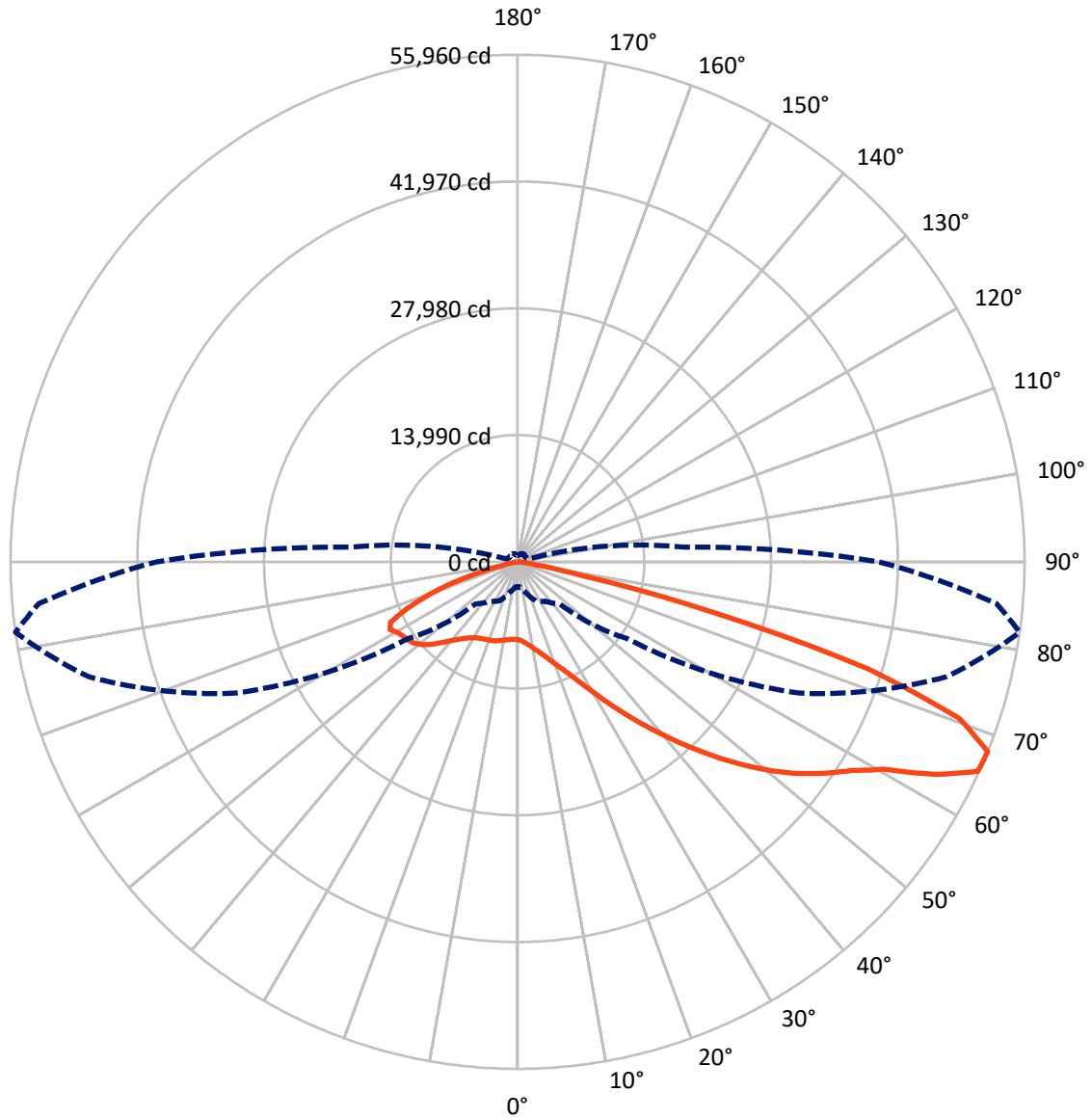
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.2 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	9393.6	0.0	9393.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	42464.4	0.0	42464.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	51858.0	0.0	51858.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.4	1.5
10°-20°	1989.0	3.8
20°-30°	3185.7	6.1
30°-40°	5633.3	10.9
40°-50°	9870.1	19.0
50°-60°	13164.0	25.4
60°-70°	12255.0	23.6
70°-80°	4703.4	9.1
80°-90°	292.1	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°	51858.0	100.0
0°-180°	51858.0	100.0

Coefficient of Utilization

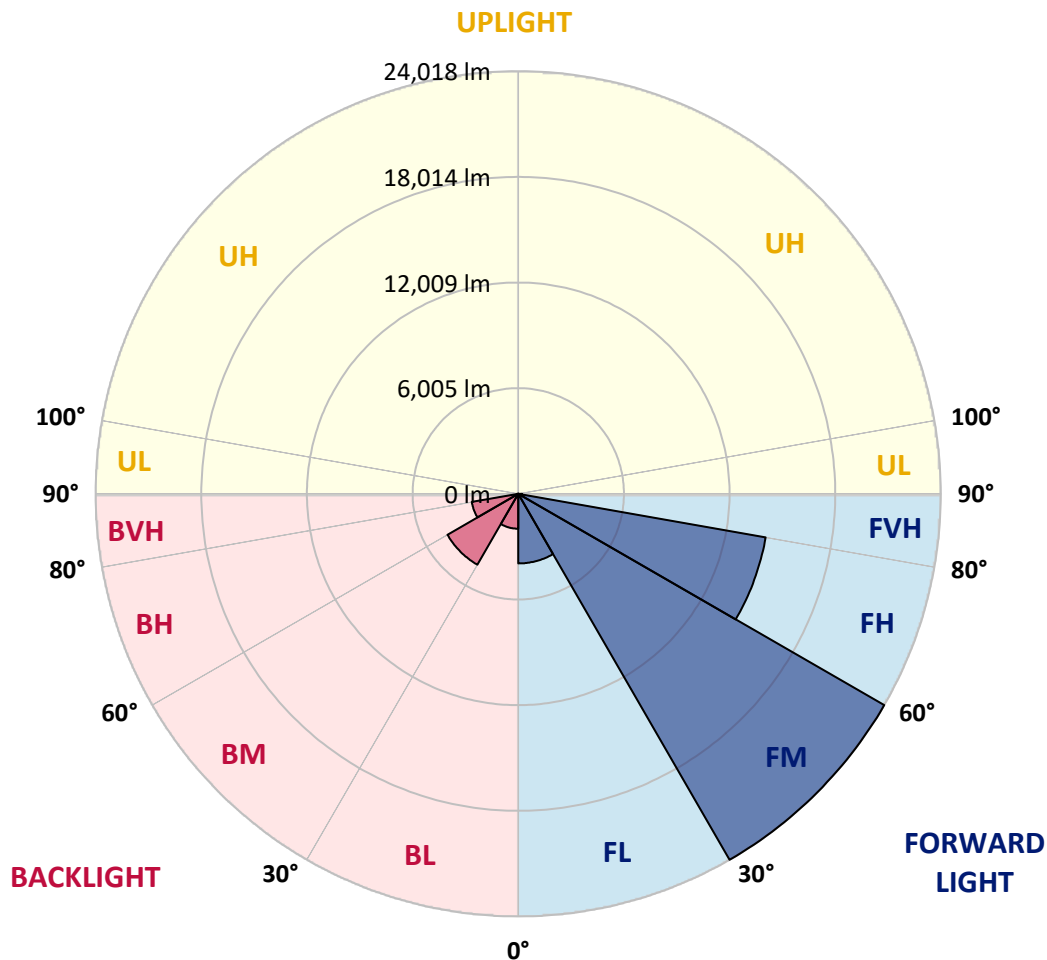


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3956.2	7.6			
FM (30°-60°)	24018.5	46.3			
FH (60°-80°)	14277.3	27.5			G5
FVH (80°-90°)	212.4	0.4			G2/225
BL (0°-30°)	1983.9	3.8	B3/2500		
BM (30°-60°)	4648.9	9.0	B3/5000		
BH (60°-80°)	2681.1	5.2	B4/5000		G4/5000
BVH (80°-90°)	79.7	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°	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1
2.5°	9080.2	9132.5	9102.6	9087.7	9061.6	9024.2	8994.3	8901.0	8803.9	8740.5
5°	9263.2	9315.4	9311.7	9326.6	9345.3	9356.5	9349.0	9244.5	9106.4	8998.1
7.5°	9106.4	9166.1	9214.6	9289.3	9420.0	9558.1	9625.3	9602.9	9461.1	9311.7
10°	8662.1	8725.5	8841.3	9016.8	9293.0	9591.7	9841.9	9957.6	9868.0	9703.7
12.5°	7848.1	7911.6	8139.3	8520.2	8983.1	9502.1	9980.0	10289.9	10312.3	10148.0
15°	6933.4	6996.8	7239.5	7717.4	8423.1	9255.7	10054.7	10640.9	10838.8	10696.9
17.5°	6365.9	6421.9	6604.8	6989.4	7724.9	8762.9	10028.6	11014.3	11466.0	11354.0
20°	6194.1	6242.7	6328.5	6597.3	7209.7	8251.4	9856.8	11365.2	12141.8	12078.3
22.5°	6377.1	6421.9	6448.0	6567.5	6952.0	7915.3	9640.3	11723.6	12925.9	12933.3
25°	6799.0	6843.8	6813.9	6888.6	7056.6	7810.8	9558.1	12145.5	13911.6	13993.7
27.5°	7493.4	7497.2	7426.2	7422.5	7448.6	7967.6	9644.0	12597.3	15154.9	15307.9
30°	8886.1	8830.1	8557.5	8262.6	8128.1	8438.0	9883.0	13131.2	16622.2	16894.7
32.5°	11032.9	10950.8	10450.5	9744.8	9035.4	9196.0	10312.3	13739.8	18220.2	18713.0
35°	13362.7	13340.3	12817.6	11768.4	10528.9	10275.0	11010.5	14538.8	19963.8	20747.9
37.5°	15528.2	15517.0	15218.3	13982.5	12474.1	11779.6	12130.6	15584.2	21830.6	22965.6
40°	17507.1	17540.7	17242.0	16136.8	14617.2	13709.9	13653.9	16876.1	23906.5	25381.3
42.5°	19217.1	19254.4	18952.0	18134.3	16734.2	15845.6	15524.5	18459.1	25933.9	27976.2
45°	20378.2	20609.7	20564.9	19911.5	18907.2	17985.0	17772.1	20445.4	28245.0	30727.9
47.5°	20706.8	20919.6	21255.6	21345.2	20732.9	19825.7	20079.5	22838.7	30582.3	33483.3
50°	19896.6	20094.5	20792.7	21722.3	22148.0	21868.0	22323.5	25403.7	32975.5	36231.3
52.5°	18298.6	18500.2	19381.3	20852.4	22588.5	23469.7	24574.8	27931.4	35294.1	38833.6
55°	15987.5	16200.3	17331.6	18996.8	21748.5	24130.5	26452.9	30455.3	37418.6	41174.6
57.5°	12843.7	13000.5	14176.6	16506.4	19635.2	23473.4	27838.1	33210.8	39419.8	43474.6
60°	8370.8	8509.0	9875.5	12474.1	16133.1	21278.0	28114.3	36283.6	42078.2	46465.2
62.5°	5566.9	5660.2	6470.4	8378.3	11361.5	17062.8	26497.7	38736.6	45976.1	51669.9
65°	3819.5	3912.9	4723.1	6052.2	7340.3	11286.8	21849.3	38411.7	49508.1	55803.0
67.5°	2725.6	2804.0	3491.0	4745.5	5313.0	6556.3	14811.4	34259.9	49000.3	55959.9
70°	1952.7	1997.5	2565.0	3696.3	4222.8	3939.0	8236.4	26202.7	42903.3	51673.6
72.5°	1366.5	1381.4	1780.9	2815.2	3401.4	2874.9	3920.3	17469.7	32449.1	40558.6
75°	925.9	944.6	1198.5	2064.7	2729.3	2195.4	2075.9	9367.7	19049.1	22450.4
77.5°	567.5	575.0	772.9	1411.3	2042.3	1672.7	1336.6	3968.9	7370.2	7235.8
80°	321.1	321.1	492.8	877.4	1392.6	1079.0	937.1	1687.6	2333.5	2049.8
82.5°	179.2	182.9	358.4	545.1	922.2	638.5	515.2	780.3	1008.1	892.3
85°	74.7	82.1	220.3	257.6	440.6	317.4	209.1	328.6	373.4	332.3
87.5°	7.5	11.2	67.2	48.5	52.3	63.5	29.9	63.5	52.3	52.3
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°
8591.1	0°	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1	8591.1
8718.1	2.5°	8647.1	8591.1	8449.2	8285.0	8068.4	7963.9	7822.0	7724.9	7642.8	7650.2
8934.6	5°	8815.1	8673.3	8355.9	7960.1	7467.3	7116.3	6743.0	6485.3	6276.3	6231.5
9233.3	7.5°	9046.6	8822.6	8266.3	7553.2	6720.6	6089.6	5525.8	5163.6	4906.0	4823.9
9595.5	10°	9345.3	9020.5	8150.5	7041.7	5843.2	5040.4	4435.6	4151.8	3976.3	3916.6
10021.1	12.5°	9692.5	9248.2	7997.5	6418.1	4939.6	4166.7	3782.2	3640.3	3584.3	3565.6
10543.8	15°	10129.4	9532.0	7766.0	5678.9	4174.2	3632.8	3468.6	3449.9	3457.4	3449.9
11171.1	17.5°	10648.4	9841.9	7388.9	4917.2	3659.0	3360.3	3300.5	3315.5	3334.1	3330.4
11873.0	20°	11215.9	10148.0	6907.2	4241.4	3308.0	3166.1	3132.5	3147.5	3162.4	3154.9
12683.2	22.5°	11861.8	10476.6	6373.3	3715.0	3072.8	2986.9	2949.6	2953.3	2953.3	2938.4
13709.9	25°	12634.7	10838.8	5813.3	3341.6	2893.6	2826.4	2781.6	2766.6	2744.2	2699.4
14957.0	27.5°	13556.9	11223.3	5275.6	3080.3	2751.7	2688.2	2636.0	2598.6	2542.6	2467.9
16454.2	30°	14594.8	11690.0	4820.1	2916.0	2639.7	2576.2	2516.5	2460.5	2378.3	2285.0
18175.4	32.5°	15815.7	12190.3	4487.8	2807.7	2538.9	2471.7	2400.7	2333.5	2243.9	2150.6
20109.4	35°	17271.8	12795.2	4293.7	2733.0	2460.5	2370.9	2292.5	2217.8	2150.6	2068.4
22211.5	37.5°	18851.2	13437.4	4234.0	2695.7	2408.2	2270.1	2180.4	2128.2	2120.7	2072.2
24485.2	40°	20579.8	14199.0	4278.8	2673.3	2352.2	2173.0	2075.9	2064.7	2083.4	1997.5
26915.8	42.5°	22409.3	15102.6	4353.4	2647.2	2273.8	2075.9	1982.6	1982.6	1967.6	1848.2
29484.6	45°	24388.2	16144.3	4428.1	2583.7	2180.4	1978.8	1907.9	1881.8	1818.3	1702.5
32068.3	47.5°	26381.9	17204.6	4484.1	2467.9	2068.4	1896.7	1833.2	1773.5	1680.1	1575.6
34603.4	50°	28274.9	18156.7	4424.4	2296.2	1941.5	1818.3	1751.1	1668.9	1568.1	1497.2
37004.1	52.5°	29966.2	18981.8	4170.5	2094.6	1807.1	1736.1	1676.4	1590.5	1508.4	1433.7
39169.7	55°	31437.3	19650.2	3722.4	1904.2	1687.6	1665.2	1605.5	1497.2	1385.2	1321.7
41316.5	57.5°	32848.6	20157.9	3162.4	1747.3	1579.3	1586.8	1497.2	1400.1	1295.6	1228.4
44210.1	60°	34726.6	20837.5	2594.9	1601.7	1463.6	1486.0	1388.9	1318.0	1187.3	1101.4
49172.1	62.5°	37728.5	21894.1	2061.0	1422.5	1329.2	1336.6	1295.6	1209.7	1052.9	952.1
52849.7	65°	40110.5	21505.8	1624.1	1228.4	1176.1	1187.3	1187.3	1094.0	925.9	810.2
53047.6	67.5°	39841.7	18414.3	1295.6	1038.0	1030.5	1038.0	1064.1	985.7	821.4	728.1
49007.8	70°	36701.7	14647.1	1038.0	862.5	896.1	877.4	952.1	899.8	739.3	645.9
37993.6	72.5°	29947.6	10551.3	791.5	713.1	687.0	716.9	858.7	810.2	616.1	511.5
20124.3	75°	17499.6	5630.3	589.9	563.8	496.6	597.4	761.7	690.7	470.4	377.1
6168.0	77.5°	5697.5	1963.9	433.1	414.4	369.6	481.6	649.7	582.4	384.6	298.7
1807.1	80°	1527.1	593.6	295.0	272.6	239.0	358.4	515.2	463.0	276.3	194.1
776.6	82.5°	612.3	250.2	171.7	153.1	130.7	246.4	407.0	373.4	205.4	123.2
242.7	85°	197.9	82.1	63.5	48.5	59.7	153.1	242.7	253.9	145.6	63.5
37.3	87.5°	26.1	11.2	11.2	14.9	11.2	26.1	74.7	70.9	41.1	7.5
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°
8591.1
7575.6
6130.6
4741.7
3871.8
3554.4
3446.2
3322.9
3151.2
2930.9
2692.0
2460.5
2277.5
2154.3
2061.0
2068.4
2001.2
1848.2
1698.8
1571.9
1486.0
1426.3
1314.2
1220.9
1090.2
944.6
799.0
713.1
634.7
500.3
365.9
287.5
190.4
123.2
48.5
0.0
0.0

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