

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: P851575

Luminaire Tested: **GLAN-SB9C-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851575
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-SB9C-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 615mA 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: 44298 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G5

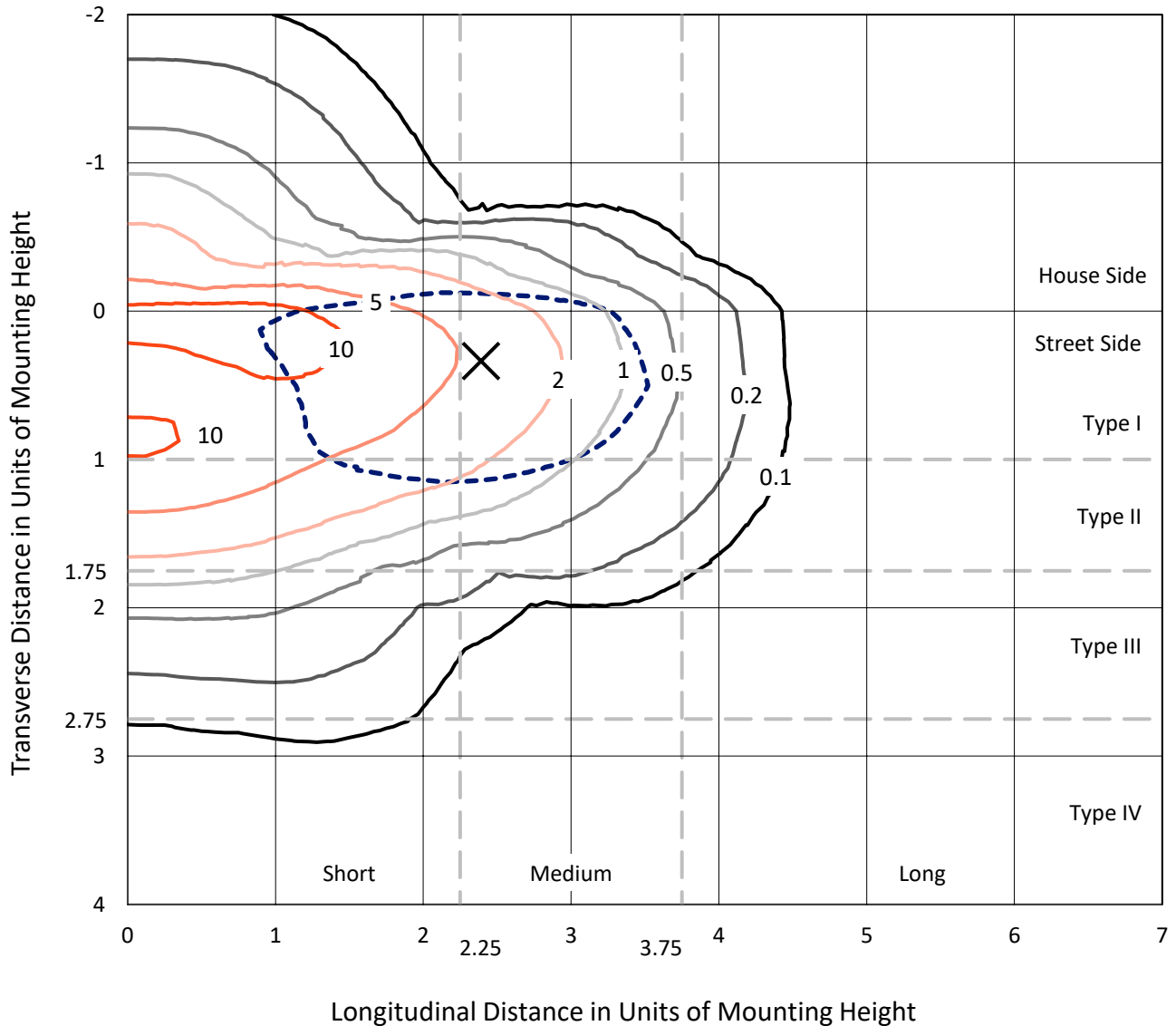
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

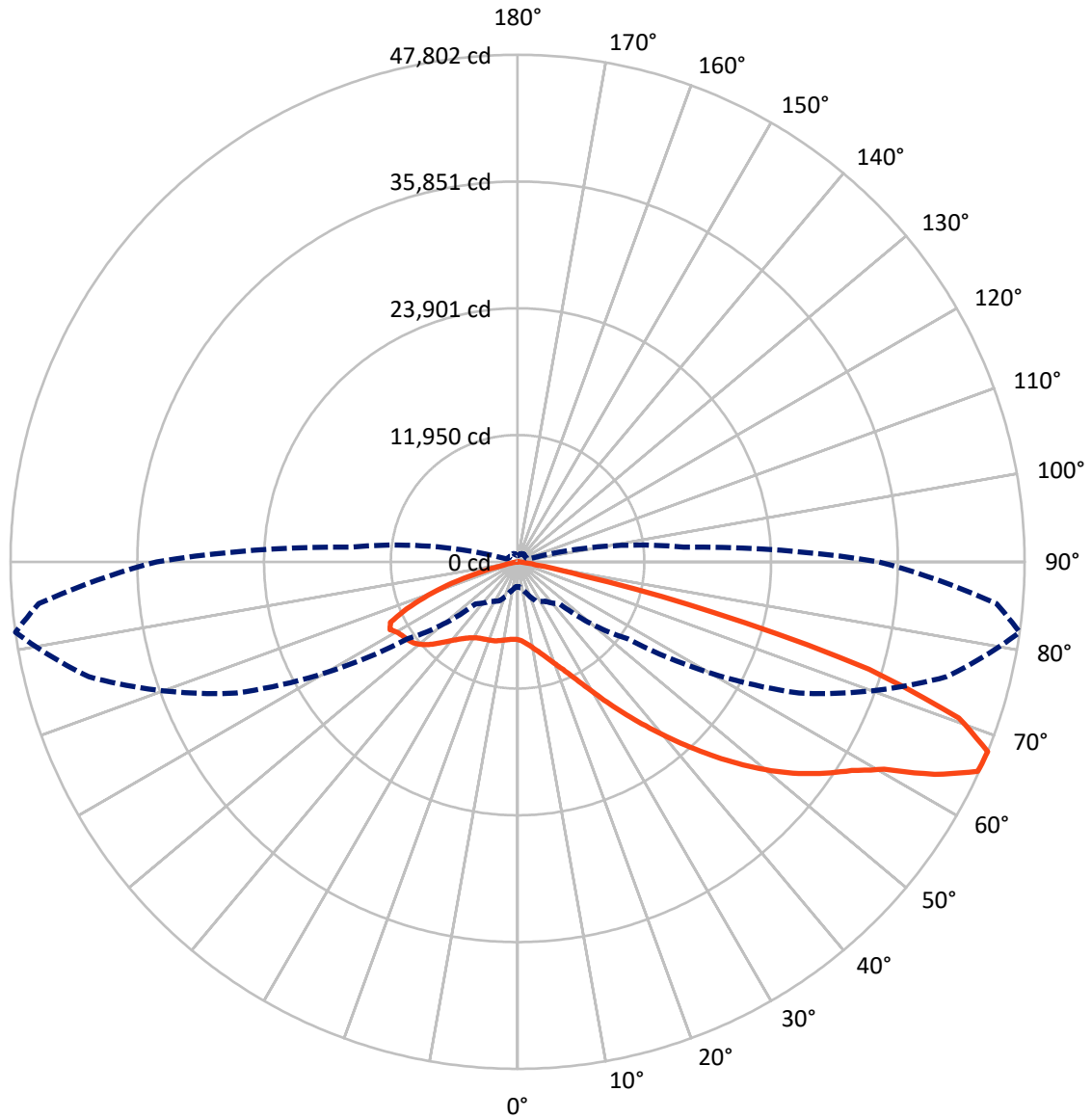
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.5 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	8024.2	0.0	8024.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	36273.8	0.0	36273.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	44298.0	0.0	44298.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.8	1.5
10°-20°	1699.0	3.8
20°-30°	2721.3	6.1
30°-40°	4812.1	10.9
40°-50°	8431.2	19.0
50°-60°	11244.9	25.4
60°-70°	10468.4	23.6
70°-80°	4017.8	9.1
80°-90°	249.5	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°	44298.0	100.0
0°-180°	44298.0	100.0

Coefficient of Utilization

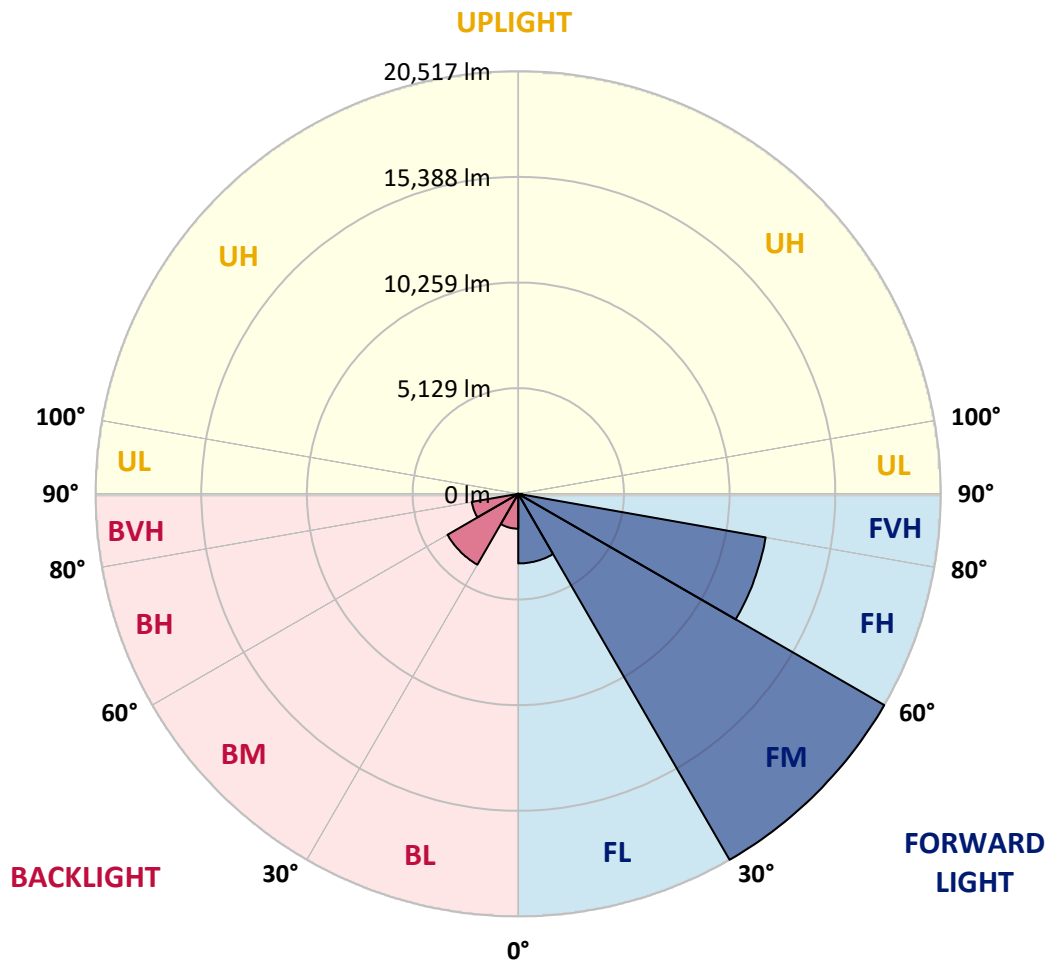


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3379.4	7.6			
FM (30°-60°)	20517.0	46.3			
FH (60°-80°)	12195.9	27.5			G5
FVH (80°-90°)	181.4	0.4			G2/225
BL (0°-30°)	1694.7	3.8	B3/2500		
BM (30°-60°)	3971.1	9.0	B3/5000		
BH (60°-80°)	2290.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	68.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7
2.5°	7756.5	7801.1	7775.6	7762.9	7740.5	7708.6	7683.1	7603.4	7520.5	7466.3
5°	7912.8	7957.4	7954.2	7967.0	7982.9	7992.5	7986.1	7896.8	7778.8	7686.3
7.5°	7778.8	7829.8	7871.3	7935.1	8046.7	8164.7	8222.1	8203.0	8081.8	7954.2
10°	7399.3	7453.5	7552.4	7702.3	7938.3	8193.4	8407.1	8506.0	8429.4	8289.1
12.5°	6704.0	6758.2	6952.8	7278.1	7673.6	8116.9	8525.1	8789.8	8809.0	8668.6
15°	5922.6	5976.8	6184.1	6592.4	7195.2	7906.4	8588.9	9089.6	9258.7	9137.5
17.5°	5437.8	5485.7	5641.9	5970.5	6598.8	7485.4	8566.6	9408.6	9794.5	9698.8
20°	5291.1	5332.6	5405.9	5635.6	6158.6	7048.4	8419.9	9708.4	10371.7	10317.5
22.5°	5447.4	5485.7	5508.0	5610.1	5938.6	6761.4	8234.9	10014.5	11041.5	11047.9
25°	5807.8	5846.1	5820.6	5884.3	6027.9	6672.1	8164.7	10374.9	11883.5	11953.7
27.5°	6401.0	6404.2	6343.6	6340.4	6362.7	6806.1	8238.1	10760.8	12945.5	13076.3
30°	7590.6	7542.8	7310.0	7058.0	6943.2	7207.9	8442.2	11216.9	14199.0	14431.8
32.5°	9424.5	9354.3	8927.0	8324.2	7718.2	7855.4	8809.0	11736.8	15564.0	15985.0
35°	11414.7	11395.5	10949.0	10052.8	8993.9	8777.1	9405.4	12419.3	17053.4	17723.2
37.5°	13264.5	13254.9	12999.8	11944.1	10655.6	10062.4	10362.2	13312.3	18648.1	19617.7
40°	14954.8	14983.5	14728.4	13784.3	12486.3	11711.3	11663.4	14415.8	20421.4	21681.2
42.5°	16415.6	16447.4	16189.1	15490.6	14294.6	13535.6	13261.3	15768.1	22153.2	23897.8
45°	17407.4	17605.2	17566.9	17008.8	16150.8	15363.1	15181.3	17464.8	24127.4	26248.3
47.5°	17688.1	17869.9	18156.9	18233.5	17710.4	16935.4	17152.3	19509.2	26123.9	28602.0
50°	16996.0	17165.0	17761.5	18555.6	18919.2	18680.0	19069.1	21700.3	28168.3	30949.4
52.5°	15631.0	15803.2	16555.9	17812.5	19295.5	20048.2	20992.3	23859.5	30148.9	33172.4
55°	13656.8	13838.6	14804.9	16227.4	18577.9	20612.7	22596.5	26015.5	31963.6	35172.1
57.5°	10971.3	11105.3	12109.9	14100.1	16772.8	20051.4	23779.7	28369.2	33673.1	37136.7
60°	7150.5	7268.5	8435.8	10655.6	13781.2	18176.1	24015.8	30994.0	35943.9	39691.4
62.5°	4755.3	4835.0	5527.1	7156.9	9705.2	14575.3	22634.8	33089.4	39273.6	44137.3
65°	3262.7	3342.4	4034.5	5169.9	6270.2	9641.4	18664.0	32812.0	42290.7	47667.9
67.5°	2328.2	2395.2	2982.0	4053.7	4538.4	5600.5	12652.1	29265.4	41856.9	47801.9
70°	1668.0	1706.3	2191.1	3157.5	3607.1	3364.8	7035.7	22382.8	36648.7	44140.5
72.5°	1167.3	1180.1	1521.3	2404.8	2905.5	2455.8	3348.8	14922.9	27718.6	34645.8
75°	791.0	806.9	1023.8	1763.7	2331.4	1875.3	1773.3	8002.1	16272.0	19177.5
77.5°	484.8	491.2	660.2	1205.6	1744.6	1428.8	1141.8	3390.3	6295.8	6180.9
80°	274.3	274.3	421.0	749.5	1189.6	921.7	800.5	1441.6	1993.3	1750.9
82.5°	153.1	156.3	306.2	465.6	787.8	545.4	440.1	666.6	861.1	762.3
85°	63.8	70.2	188.2	220.1	376.3	271.1	178.6	280.7	318.9	283.9
87.5°	6.4	9.6	57.4	41.5	44.7	54.2	25.5	54.2	44.7	44.7
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°
7338.7	0°	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7	7338.7
7447.1	2.5°	7386.5	7338.7	7217.5	7077.2	6892.2	6802.9	6681.7	6598.8	6528.6	6535.0
7632.1	5°	7530.0	7408.8	7137.8	6799.7	6378.7	6078.9	5760.0	5539.9	5361.3	5323.0
7887.2	7.5°	7727.8	7536.4	7061.2	6452.0	5740.8	5201.8	4720.2	4410.9	4190.8	4120.6
8196.6	10°	7982.9	7705.5	6962.3	6015.1	4991.3	4305.6	3788.9	3546.6	3396.7	3345.6
8560.2	12.5°	8279.5	7900.0	6831.6	5482.5	4219.5	3559.3	3230.8	3109.6	3061.8	3045.8
9006.7	15°	8652.7	8142.4	6633.8	4851.0	3565.7	3103.2	2962.9	2947.0	2953.3	2947.0
9542.5	17.5°	9096.0	8407.1	6311.7	4200.4	3125.6	2870.4	2819.4	2832.1	2848.1	2844.9
10142.1	20°	9580.8	8668.6	5900.3	3623.1	2825.8	2704.6	2675.9	2688.6	2701.4	2695.0
10834.2	22.5°	10132.5	8949.3	5444.2	3173.4	2624.8	2551.5	2519.6	2522.8	2522.8	2510.0
11711.3	25°	10792.7	9258.7	4965.8	2854.5	2471.7	2414.3	2376.1	2363.3	2344.2	2305.9
12776.5	27.5°	11580.5	9587.2	4506.5	2631.2	2350.5	2296.3	2251.7	2219.8	2171.9	2108.2
14055.4	30°	12467.1	9985.8	4117.4	2490.9	2254.9	2200.6	2149.6	2101.8	2031.6	1951.9
15525.7	32.5°	13510.1	10413.2	3833.6	2398.4	2168.8	2111.3	2050.7	1993.3	1916.8	1837.1
17177.8	35°	14753.9	10929.9	3667.7	2334.6	2101.8	2025.2	1958.3	1894.5	1837.1	1766.9
18973.4	37.5°	16103.0	11478.4	3616.7	2302.7	2057.1	1939.1	1862.6	1817.9	1811.5	1770.1
20915.7	40°	17579.7	12129.1	3655.0	2283.6	2009.3	1856.2	1773.3	1763.7	1779.7	1706.3
22992.0	42.5°	19142.4	12900.9	3718.8	2261.2	1942.3	1773.3	1693.5	1693.5	1680.8	1578.7
25186.2	45°	20832.8	13790.7	3782.6	2207.0	1862.6	1690.4	1629.8	1607.4	1553.2	1454.3
27393.3	47.5°	22535.9	14696.5	3830.4	2108.2	1766.9	1620.2	1566.0	1514.9	1435.2	1345.9
29558.8	50°	24152.9	15509.8	3779.4	1961.4	1658.5	1553.2	1495.8	1425.6	1339.5	1278.9
31609.6	52.5°	25597.7	16214.6	3562.5	1789.2	1543.6	1483.0	1432.0	1358.7	1288.5	1224.7
33459.4	55°	26854.3	16785.5	3179.8	1626.6	1441.6	1422.4	1371.4	1278.9	1183.2	1129.0
35293.3	57.5°	28059.8	17219.3	2701.4	1492.6	1349.1	1355.5	1278.9	1196.0	1106.7	1049.3
37765.0	60°	29664.1	17799.7	2216.6	1368.2	1250.2	1269.4	1186.4	1125.8	1014.2	940.9
42003.7	62.5°	32228.3	18702.3	1760.5	1215.1	1135.4	1141.8	1106.7	1033.3	899.4	813.3
45145.2	65°	34263.1	18370.6	1387.4	1049.3	1004.6	1014.2	1014.2	934.5	791.0	692.1
45314.2	67.5°	34033.5	15729.8	1106.7	886.6	880.3	886.6	909.0	842.0	701.7	621.9
41863.3	70°	31351.2	12511.8	886.6	736.7	765.4	749.5	813.3	768.6	631.5	551.8
32454.8	72.5°	25581.7	9013.1	676.1	609.2	586.8	612.4	733.5	692.1	526.2	436.9
17190.6	75°	14948.5	4809.5	503.9	481.6	424.2	510.3	650.6	590.0	401.9	322.1
5268.8	77.5°	4866.9	1677.6	370.0	354.0	315.7	411.4	554.9	497.5	328.5	255.1
1543.6	80°	1304.4	507.1	252.0	232.8	204.1	306.2	440.1	395.5	236.0	165.8
663.4	82.5°	523.1	213.7	146.7	130.8	111.6	210.5	347.6	318.9	175.4	105.2
207.3	85°	169.0	70.2	54.2	41.5	51.0	130.8	207.3	216.9	124.4	54.2
31.9	87.5°	22.3	9.6	9.6	12.8	9.6	22.3	63.8	60.6	35.1	6.4
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°
7338.7
6471.2
5236.9
4050.5
3307.3
3036.3
2943.8
2838.5
2691.8
2503.6
2299.5
2101.8
1945.5
1840.3
1760.5
1766.9
1709.5
1578.7
1451.2
1342.7
1269.4
1218.3
1122.6
1042.9
931.3
806.9
682.5
609.2
542.2
427.4
312.6
245.6
162.7
105.2
41.5
0.0
0.0

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