

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: P848855

Luminaire Tested: **GLAN-SB5C-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848855
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-SB5C-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 24567 lumens
Efficiency: N/A
Efficacy: 98.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

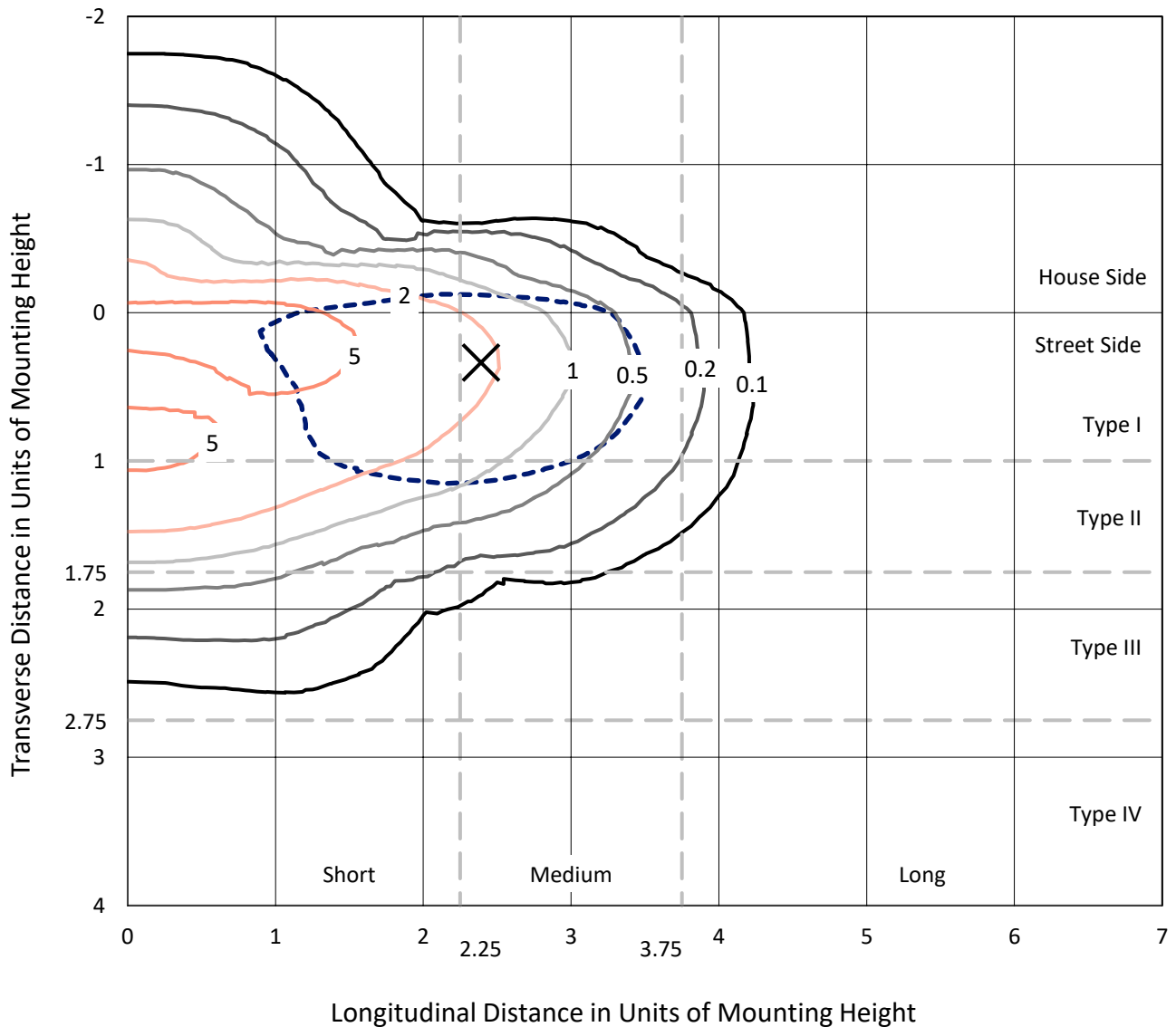
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

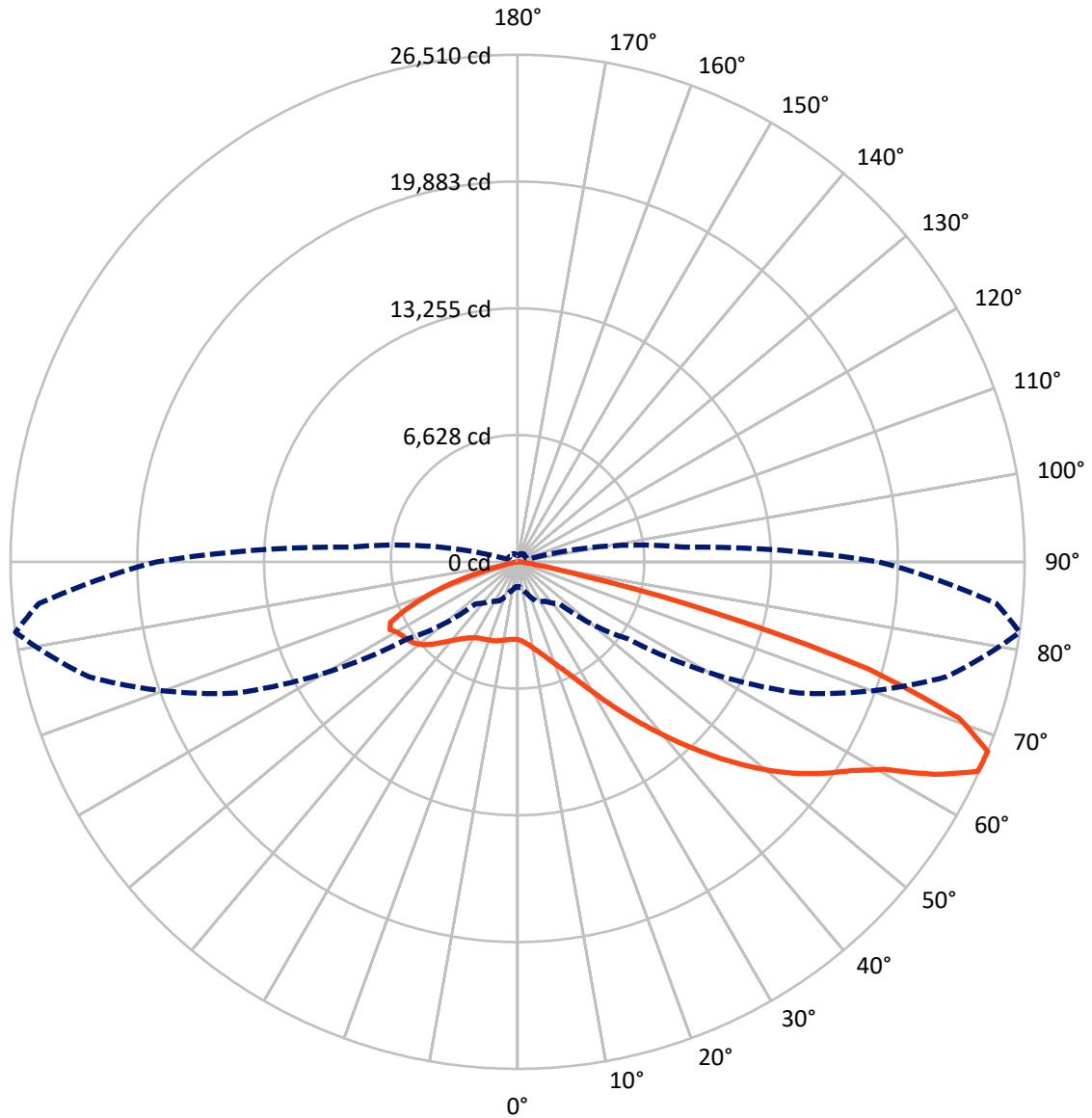
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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	4450.1	0.0	4450.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	20116.9	0.0	20116.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	24567.0	0.0	24567.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.6	1.5
10°-20°	942.3	3.8
20°-30°	1509.2	6.1
30°-40°	2668.7	10.9
40°-50°	4675.8	19.0
50°-60°	6236.2	25.4
60°-70°	5805.6	23.6
70°-80°	2228.2	9.1
80°-90°	138.4	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°	24567.0	100.0
0°-180°	24567.0	100.0

Coefficient of Utilization

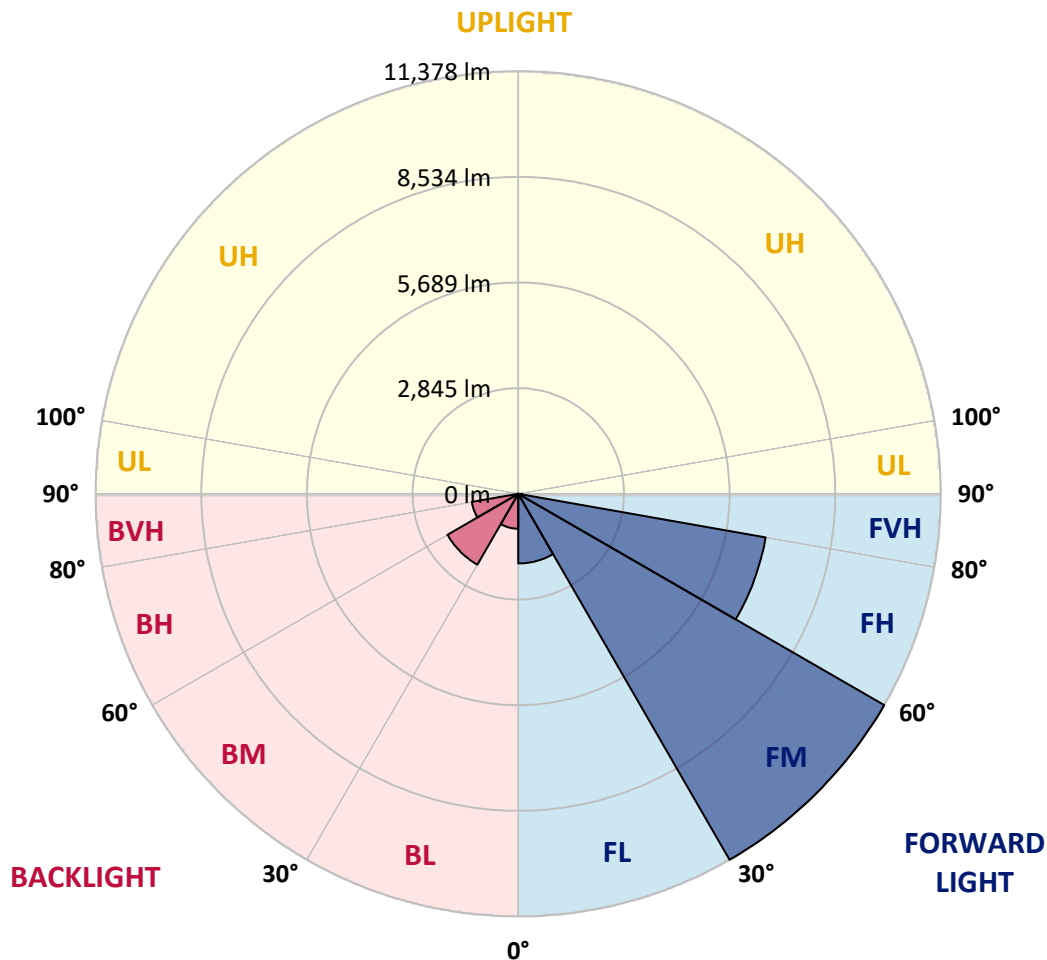


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1874.2	7.6			
FM (30°-60°)	11378.4	46.3			
FH (60°-80°)	6763.7	27.5			G3/7500
FVH (80°-90°)	100.6	0.4			G2/225
BL (0°-30°)	939.8	3.8	B2/1000		
BM (30°-60°)	2202.3	9.0	B2/2500		
BH (60°-80°)	1270.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	37.8	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-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9
2.5°	4301.6	4326.4	4312.2	4305.2	4292.8	4275.1	4260.9	4216.7	4170.7	4140.7
5°	4388.3	4413.1	4411.3	4418.4	4427.2	4432.5	4429.0	4379.5	4314.0	4262.7
7.5°	4314.0	4342.3	4365.3	4400.7	4462.6	4528.0	4559.9	4549.3	4482.0	4411.3
10°	4103.5	4133.6	4188.4	4271.6	4402.4	4543.9	4662.5	4717.3	4674.8	4597.0
12.5°	3717.9	3748.0	3855.9	4036.3	4255.6	4501.5	4727.9	4874.7	4885.3	4807.5
15°	3284.6	3314.7	3429.6	3656.0	3990.3	4384.8	4763.3	5041.0	5134.7	5067.5
17.5°	3015.7	3042.3	3128.9	3311.1	3659.6	4151.3	4750.9	5217.8	5431.9	5378.8
20°	2934.4	2957.4	2998.1	3125.4	3415.5	3909.0	4669.5	5384.1	5752.0	5721.9
22.5°	3021.0	3042.3	3054.7	3111.3	3293.4	3749.8	4566.9	5553.9	6123.5	6127.0
25°	3220.9	3242.1	3228.0	3263.4	3343.0	3700.2	4528.0	5753.8	6590.4	6629.3
27.5°	3549.9	3551.7	3518.1	3516.3	3528.7	3774.5	4568.7	5967.8	7179.4	7251.9
30°	4209.7	4183.1	4054.0	3914.3	3850.6	3997.4	4681.9	6220.7	7874.5	8003.6
32.5°	5226.7	5187.8	4950.8	4616.5	4280.4	4356.5	4885.3	6509.0	8631.6	8865.0
35°	6330.4	6319.8	6072.2	5575.1	4987.9	4867.6	5216.1	6887.6	9457.6	9829.0
37.5°	7356.3	7351.0	7209.5	6624.0	5909.4	5580.4	5746.7	7382.8	10341.9	10879.7
40°	8293.7	8309.6	8168.1	7644.6	6924.7	6494.9	6468.4	7994.8	11325.4	12024.0
42.5°	9103.8	9121.5	8978.2	8590.9	7927.6	7506.6	7354.5	8744.8	12285.8	13253.3
45°	9653.9	9763.6	9742.3	9432.8	8957.0	8520.1	8419.3	9685.7	13380.7	14556.9
47.5°	9809.6	9910.4	10069.6	10112.0	9821.9	9392.1	9512.4	10819.5	14487.9	15862.3
50°	9425.7	9519.5	9850.2	10290.7	10492.3	10359.6	10575.4	12034.7	15621.7	17164.1
52.5°	8668.7	8764.2	9181.6	9878.5	10701.0	11118.4	11642.0	13232.1	16720.1	18396.9
55°	7573.8	7674.7	8210.6	8999.5	10303.0	11431.5	12531.7	14427.8	17726.5	19505.9
57.5°	6084.5	6158.8	6716.0	7819.7	9301.9	11120.2	13187.9	15733.1	18674.6	20595.5
60°	3965.6	4031.0	4678.4	5909.4	7642.8	10080.2	13318.8	17188.8	19933.9	22012.2
62.5°	2637.2	2681.4	3065.3	3969.1	5382.3	8083.2	12552.9	18350.9	21780.5	24477.9
65°	1809.4	1853.7	2237.5	2867.2	3477.4	5347.0	10350.8	18197.0	23453.8	26435.9
67.5°	1291.2	1328.3	1653.8	2248.1	2516.9	3105.9	7016.7	16230.2	23213.2	26510.2
70°	925.1	946.3	1215.1	1751.1	2000.5	1866.0	3901.9	12413.2	20324.8	24479.7
72.5°	647.4	654.4	843.7	1333.6	1611.3	1361.9	1857.2	8276.0	15372.3	19214.1
75°	438.7	447.5	567.8	978.1	1293.0	1040.0	983.4	4437.8	9024.2	10635.6
77.5°	268.9	272.4	366.1	668.6	967.5	792.4	633.2	1880.2	3491.5	3427.9
80°	152.1	152.1	233.5	415.7	659.7	511.2	444.0	799.5	1105.5	971.1
82.5°	84.9	86.7	169.8	258.2	436.9	302.5	244.1	369.7	477.6	422.7
85°	35.4	38.9	104.4	122.0	208.7	150.3	99.1	155.7	176.9	157.4
87.5°	3.5	5.3	31.8	23.0	24.8	30.1	14.2	30.1	24.8	24.8
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°
4069.9	0°	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9	4069.9
4130.1	2.5°	4096.5	4069.9	4002.7	3924.9	3822.3	3772.8	3705.6	3659.6	3620.7	3624.2
4232.6	5°	4176.0	4108.8	3958.5	3771.0	3537.5	3371.3	3194.4	3072.3	2973.3	2952.1
4374.1	7.5°	4285.7	4179.6	3916.0	3578.2	3183.8	2884.9	2617.8	2446.2	2324.2	2285.2
4545.7	10°	4427.2	4273.3	3861.2	3335.9	2768.1	2387.8	2101.3	1966.9	1883.7	1855.4
4747.4	12.5°	4591.7	4381.2	3788.7	3040.5	2340.1	1973.9	1791.8	1724.5	1698.0	1689.2
4995.0	15°	4798.7	4515.6	3679.0	2690.3	1977.5	1721.0	1643.2	1634.3	1637.9	1634.3
5292.1	17.5°	5044.5	4662.5	3500.4	2329.5	1733.4	1591.9	1563.6	1570.7	1579.5	1577.7
5624.7	20°	5313.4	4807.5	3272.2	2009.3	1567.1	1499.9	1484.0	1491.1	1498.1	1494.6
6008.5	22.5°	5619.4	4963.1	3019.3	1759.9	1455.7	1415.0	1397.3	1399.1	1399.1	1392.0
6494.9	25°	5985.5	5134.7	2754.0	1583.0	1370.8	1339.0	1317.7	1310.7	1300.0	1278.8
7085.7	27.5°	6422.4	5316.9	2499.3	1459.2	1303.6	1273.5	1248.7	1231.1	1204.5	1169.2
7794.9	30°	6914.1	5538.0	2283.5	1381.4	1250.5	1220.4	1192.1	1165.6	1126.7	1082.5
8610.3	32.5°	7492.5	5775.0	2126.1	1330.1	1202.8	1170.9	1137.3	1105.5	1063.0	1018.8
9526.6	35°	8182.3	6061.5	2034.1	1294.7	1165.6	1123.2	1086.0	1050.6	1018.8	979.9
10522.4	37.5°	8930.5	6365.8	2005.8	1277.0	1140.9	1075.4	1033.0	1008.2	1004.7	981.7
11599.5	40°	9749.4	6726.6	2027.0	1266.4	1114.3	1029.4	983.4	978.1	987.0	946.3
12751.0	42.5°	10616.1	7154.6	2062.4	1254.1	1077.2	983.4	939.2	939.2	932.1	875.5
13967.9	45°	11553.6	7648.1	2097.8	1224.0	1033.0	937.4	903.8	891.5	861.4	806.6
15191.9	47.5°	12498.1	8150.5	2124.3	1169.2	979.9	898.5	868.5	840.2	795.9	746.4
16392.9	50°	13394.8	8601.5	2096.0	1087.8	919.8	861.4	829.5	790.6	742.9	709.3
17530.2	52.5°	14196.1	8992.4	1975.7	992.3	856.1	822.5	794.2	753.5	714.6	679.2
18556.1	55°	14893.0	9309.0	1763.5	902.1	799.5	788.9	760.6	709.3	656.2	626.1
19573.1	57.5°	15561.6	9549.5	1498.1	827.8	748.2	751.7	709.3	663.3	613.8	581.9
20943.9	60°	16451.3	9871.5	1229.3	758.8	693.4	704.0	658.0	624.4	562.5	521.8
23294.6	62.5°	17873.3	10372.0	976.4	673.9	629.7	633.2	613.8	573.1	498.8	451.0
25036.8	65°	19001.8	10188.1	769.4	581.9	557.2	562.5	562.5	518.2	438.7	383.8
25130.6	67.5°	18874.5	8723.5	613.8	491.7	488.2	491.7	504.1	467.0	389.1	344.9
23216.8	70°	17386.9	6938.9	491.7	408.6	424.5	415.7	451.0	426.3	350.2	306.0
17998.9	72.5°	14187.2	4998.5	375.0	337.8	325.5	339.6	406.8	383.8	291.8	242.3
9533.6	75°	8290.2	2667.3	279.5	267.1	235.2	283.0	360.8	327.2	222.9	178.6
2922.0	77.5°	2699.1	930.4	205.2	196.3	175.1	228.2	307.8	275.9	182.2	141.5
856.1	80°	723.4	281.2	139.7	129.1	113.2	169.8	244.1	219.3	130.9	92.0
367.9	82.5°	290.1	118.5	81.4	72.5	61.9	116.7	192.8	176.9	97.3	58.4
115.0	85°	93.7	38.9	30.1	23.0	28.3	72.5	115.0	120.3	69.0	30.1
17.7	87.5°	12.4	5.3	5.3	7.1	5.3	12.4	35.4	33.6	19.5	3.5
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°
4069.9
3588.8
2904.3
2246.3
1834.2
1683.9
1632.6
1574.2
1492.8
1388.5
1275.3
1165.6
1078.9
1020.6
976.4
979.9
948.1
875.5
804.8
744.6
704.0
675.7
622.6
578.4
516.5
447.5
378.5
337.8
300.7
237.0
173.3
136.2
90.2
58.4
23.0
0.0
0.0

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