

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: P851605

Luminaire Tested: **GLAN-SB9C-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851605
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-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 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: 33605 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

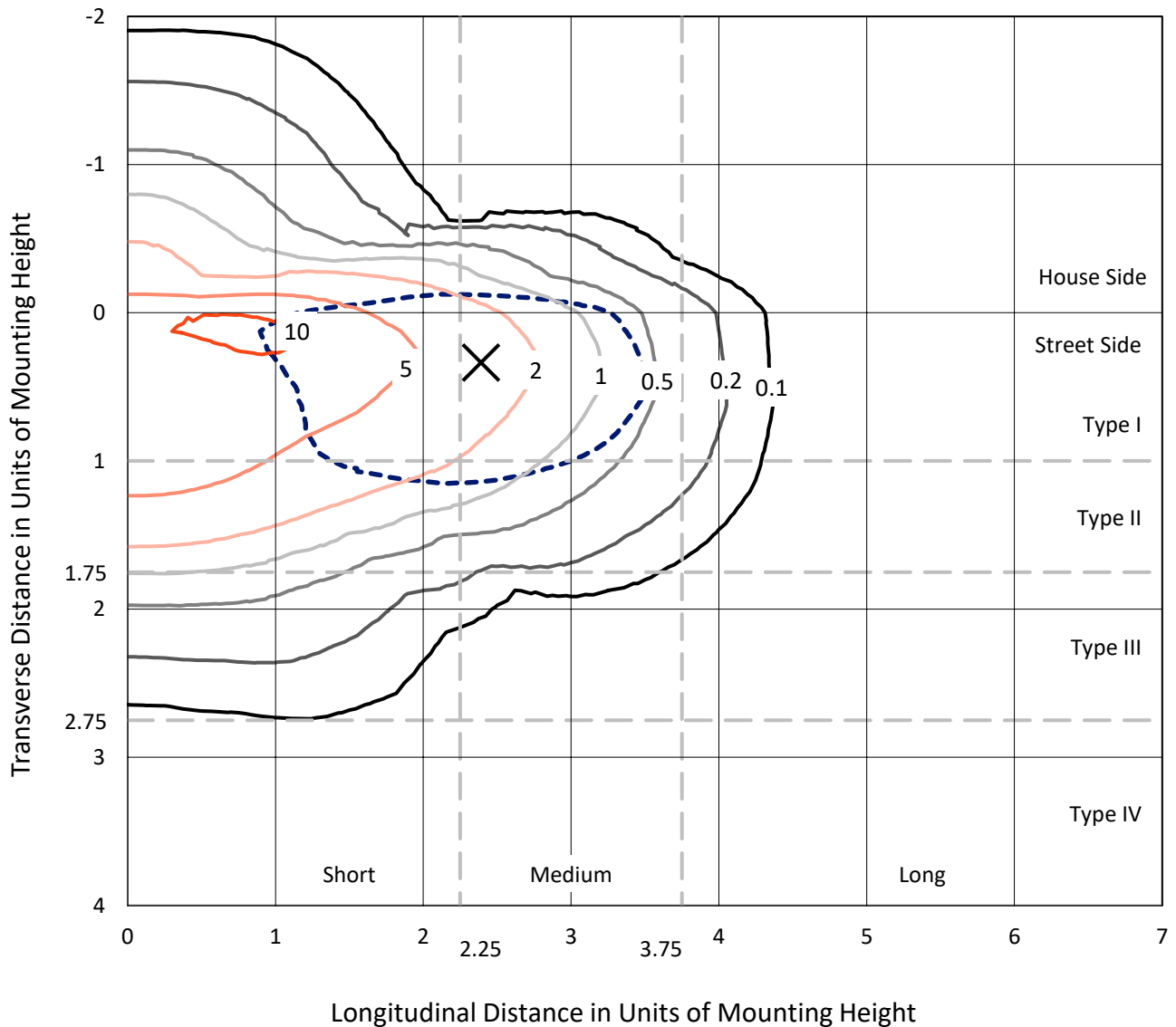
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

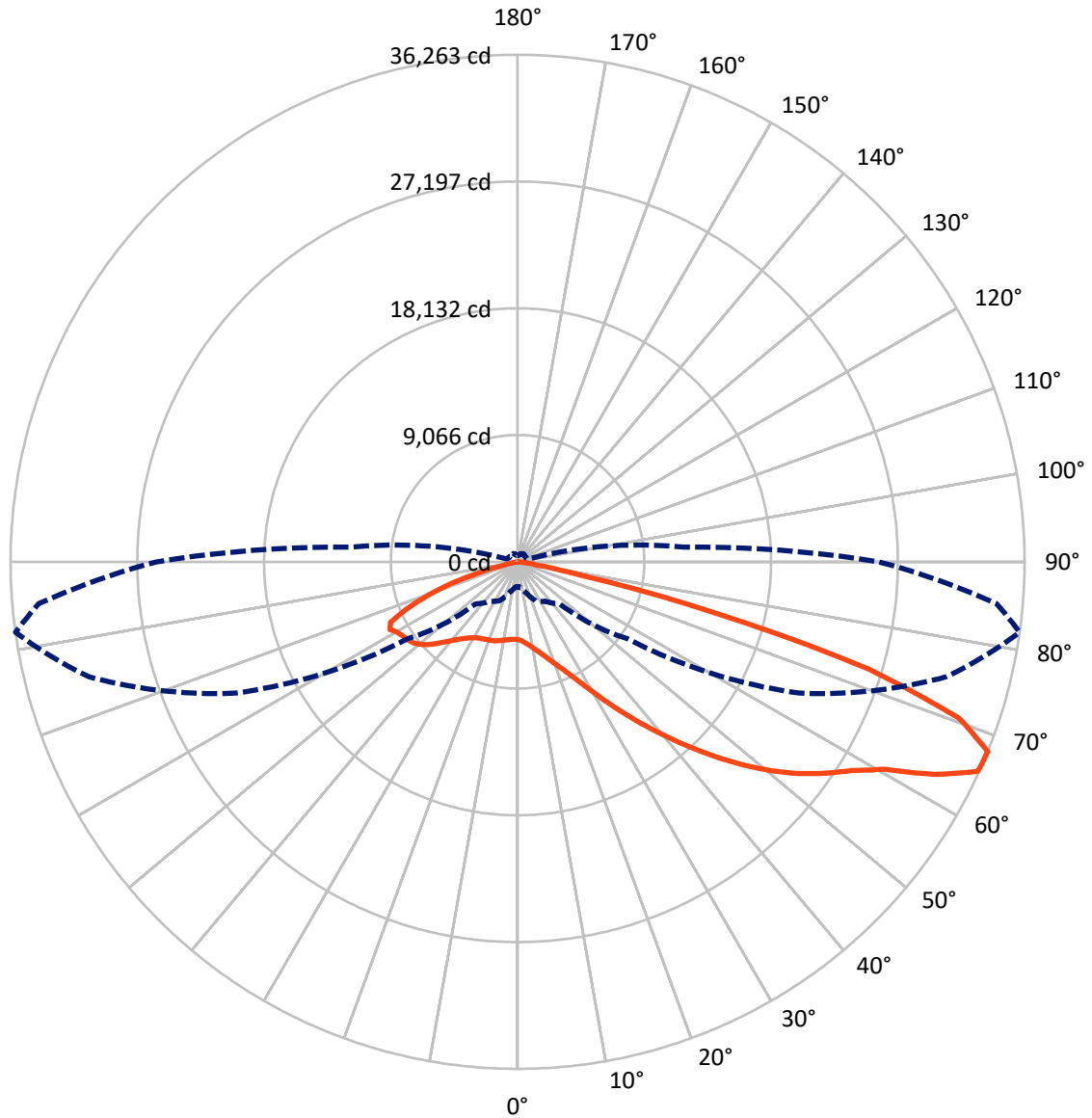
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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	6087.3	0.0	6087.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	27517.8	0.0	27517.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	33605.0	0.0	33605.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.0	1.5
10°-20°	1288.9	3.8
20°-30°	2064.4	6.1
30°-40°	3650.5	10.9
40°-50°	6396.0	19.0
50°-60°	8530.5	25.4
60°-70°	7941.5	23.6
70°-80°	3047.9	9.1
80°-90°	189.3	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°	33605.0	100.0
0°-180°	33605.0	100.0

Coefficient of Utilization

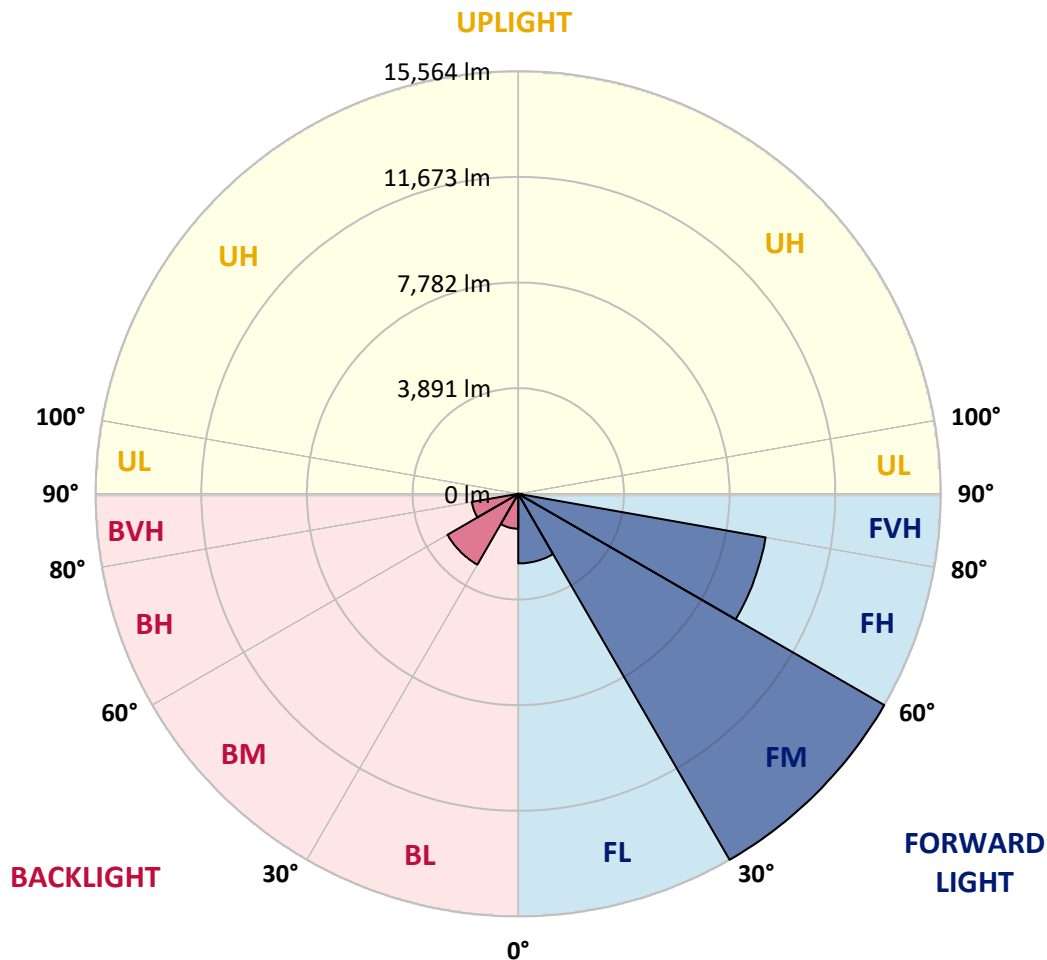


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2563.7	7.6			
FM (30°-60°)	15564.5	46.3			
FH (60°-80°)	9252.0	27.5			G4/12000
FVH (80°-90°)	137.6	0.4			G2/225
BL (0°-30°)	1285.6	3.8	B3/2500		
BM (30°-60°)	3012.6	9.0	B3/5000		
BH (60°-80°)	1737.4	5.2	B3/2500		G3/2500
BVH (80°-90°)	51.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2
2.5°	5884.2	5918.0	5898.7	5889.0	5872.1	5847.9	5828.5	5768.0	5705.1	5664.0
5°	6002.7	6036.6	6034.2	6043.8	6055.9	6063.2	6058.4	5990.6	5901.1	5830.9
7.5°	5901.1	5939.8	5971.3	6019.7	6104.3	6193.9	6237.4	6222.9	6130.9	6034.2
10°	5613.2	5654.3	5729.3	5843.0	6022.1	6215.6	6377.7	6452.7	6394.7	6288.2
12.5°	5085.7	5126.9	5274.5	5521.2	5821.3	6157.6	6467.3	6668.1	6682.6	6576.1
15°	4493.0	4534.1	4691.4	5001.1	5458.3	5997.9	6515.6	6895.5	7023.7	6931.8
17.5°	4125.2	4161.5	4280.1	4529.3	5005.9	5678.5	6498.7	7137.5	7430.2	7357.6
20°	4013.9	4045.4	4101.0	4275.2	4672.0	5347.0	6387.4	7364.9	7868.1	7827.0
22.5°	4132.5	4161.5	4178.4	4255.9	4505.1	5129.3	6247.1	7597.2	8376.2	8381.1
25°	4405.9	4434.9	4415.5	4463.9	4572.8	5061.5	6193.9	7870.6	9015.0	9068.2
27.5°	4855.9	4858.3	4812.3	4809.9	4826.9	5163.2	6249.5	8163.3	9820.6	9919.8
30°	5758.3	5722.1	5545.4	5354.3	5267.2	5468.0	6404.3	8509.3	10771.5	10948.1
32.5°	7149.5	7096.3	6772.1	6314.8	5855.1	5959.2	6682.6	8903.7	11807.0	12126.4
35°	8659.3	8644.8	8306.1	7626.2	6822.9	6658.4	7135.0	9421.4	12936.9	13445.0
37.5°	10062.6	10055.3	9861.8	9060.9	8083.5	7633.4	7860.9	10098.9	14146.7	14882.2
40°	11344.9	11366.7	11173.1	10457.0	9472.2	8884.3	8848.0	10936.0	15491.9	16447.6
42.5°	12453.0	12477.2	12281.3	11751.4	10844.1	10268.3	10060.2	11961.9	16805.7	18129.1
45°	13205.5	13355.5	13326.5	12903.1	12252.2	11654.6	11516.7	13249.0	18303.3	19912.3
47.5°	13418.4	13556.3	13774.1	13832.1	13435.3	12847.4	13011.9	14799.9	19817.9	21697.8
50°	12893.4	13021.6	13474.1	14076.5	14352.3	14170.9	14466.0	16462.1	21368.8	23478.6
52.5°	11857.8	11988.5	12559.5	13512.8	14637.8	15208.8	15925.0	18100.1	22871.3	25165.0
55°	10360.2	10498.1	11231.2	12310.3	14093.4	15637.1	17142.0	19735.7	24248.0	26682.0
57.5°	8323.0	8424.6	9186.7	10696.5	12724.0	15211.2	18039.6	21521.2	25544.8	28172.4
60°	5424.5	5514.0	6399.5	8083.5	10454.6	13788.6	18218.6	23512.5	27267.5	30110.4
62.5°	3607.4	3667.9	4192.9	5429.3	7362.5	11057.0	17171.0	25102.0	29793.4	33483.1
65°	2475.1	2535.6	3060.6	3922.0	4756.7	7314.1	14158.8	24891.6	32082.2	36161.5
67.5°	1766.2	1817.0	2262.2	3075.2	3442.9	4248.6	9598.1	22201.1	31753.2	36263.1
70°	1265.4	1294.4	1662.2	2395.3	2736.4	2552.5	5337.4	16979.9	27802.2	33485.5
72.5°	885.5	895.2	1154.1	1824.3	2204.1	1863.0	2540.4	11320.7	21027.7	26282.8
75°	600.0	612.1	776.7	1338.0	1768.6	1422.7	1345.2	6070.5	12344.2	14548.3
77.5°	367.8	372.6	500.8	914.6	1323.5	1083.9	866.2	2571.9	4776.0	4688.9
80°	208.1	208.1	319.4	568.6	902.5	699.2	607.3	1093.6	1512.2	1328.3
82.5°	116.1	118.6	232.3	353.2	597.6	413.7	333.9	505.7	653.3	578.3
85°	48.4	53.2	142.7	166.9	285.5	205.7	135.5	212.9	241.9	215.3
87.5°	4.8	7.3	43.6	31.5	33.9	41.1	19.4	41.1	33.9	33.9
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°
5567.2	0°	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2	5567.2
5649.5	2.5°	5603.5	5567.2	5475.3	5368.8	5228.5	5160.7	5068.8	5005.9	4952.7	4957.5
5789.8	5°	5712.4	5620.4	5414.8	5158.3	4838.9	4611.5	4369.6	4202.6	4067.1	4038.1
5983.4	7.5°	5862.4	5717.2	5356.7	4894.6	4355.1	3946.2	3580.8	3346.1	3179.2	3126.0
6218.0	10°	6055.9	5845.5	5281.7	4563.1	3786.5	3266.3	2874.3	2690.5	2576.7	2538.0
6493.9	12.5°	6281.0	5993.0	5182.5	4159.1	3201.0	2700.1	2450.9	2359.0	2322.7	2310.6
6832.6	15°	6564.0	6176.9	5032.5	3680.0	2705.0	2354.1	2247.7	2235.6	2240.4	2235.6
7239.1	17.5°	6900.3	6377.7	4788.1	3186.4	2371.1	2177.5	2138.8	2148.5	2160.6	2158.2
7693.9	20°	7268.1	6576.1	4476.0	2748.5	2143.7	2051.7	2029.9	2039.6	2049.3	2044.5
8219.0	22.5°	7686.7	6789.0	4130.0	2407.4	1991.2	1935.6	1911.4	1913.8	1913.8	1904.1
8884.3	25°	8187.5	7023.7	3767.1	2165.4	1875.1	1831.5	1802.5	1792.8	1778.3	1749.3
9692.4	27.5°	8785.1	7272.9	3418.7	1996.1	1783.2	1742.0	1708.1	1684.0	1647.7	1599.3
10662.6	30°	9457.7	7575.4	3123.5	1889.6	1710.6	1669.4	1630.7	1594.4	1541.2	1480.7
11778.0	32.5°	10248.9	7899.6	2908.2	1819.4	1645.2	1601.7	1555.7	1512.2	1454.1	1393.6
13031.3	35°	11192.5	8291.5	2782.4	1771.1	1594.4	1536.4	1485.6	1437.2	1393.6	1340.4
14393.5	37.5°	12215.9	8707.7	2743.7	1746.9	1560.6	1471.0	1413.0	1379.1	1374.3	1342.8
15866.9	40°	13336.1	9201.3	2772.7	1732.3	1524.3	1408.1	1345.2	1338.0	1350.1	1294.4
17442.0	42.5°	14521.7	9786.8	2821.1	1715.4	1473.5	1345.2	1284.7	1284.7	1275.1	1197.6
19106.6	45°	15804.0	10461.8	2869.5	1674.3	1413.0	1282.3	1236.4	1219.4	1178.3	1103.3
20780.9	47.5°	17096.0	11148.9	2905.8	1599.3	1340.4	1229.1	1188.0	1149.3	1088.8	1021.0
22423.7	50°	18322.7	11765.9	2867.1	1488.0	1258.1	1178.3	1134.7	1081.5	1016.2	970.2
23979.4	52.5°	19418.7	12300.6	2702.6	1357.3	1171.0	1125.1	1086.3	1030.7	977.5	929.1
25382.7	55°	20372.0	12733.7	2412.2	1233.9	1093.6	1079.1	1040.4	970.2	897.6	856.5
26773.9	57.5°	21286.5	13062.7	2049.3	1132.3	1023.4	1028.3	970.2	907.3	839.6	796.0
28649.0	60°	22503.5	13503.1	1681.5	1038.0	948.4	963.0	900.0	854.1	769.4	713.7
31864.5	62.5°	24448.8	14187.8	1335.6	921.8	861.3	866.2	839.6	783.9	682.3	617.0
34247.7	65°	25992.4	13936.2	1052.5	796.0	762.1	769.4	769.4	708.9	600.0	525.0
34375.9	67.5°	25818.2	11932.8	839.6	672.6	667.8	672.6	689.6	638.7	532.3	471.8
31758.0	70°	23783.4	9491.6	672.6	558.9	580.7	568.6	617.0	583.1	479.1	418.6
24620.6	72.5°	19406.6	6837.4	512.9	462.1	445.2	464.5	556.5	525.0	399.2	331.5
13041.0	75°	11340.1	3648.6	382.3	365.3	321.8	387.1	493.6	447.6	304.9	244.4
3997.0	77.5°	3692.1	1272.6	280.7	268.6	239.5	312.1	421.0	377.4	249.2	193.6
1171.0	80°	989.6	384.7	191.1	176.6	154.8	232.3	333.9	300.0	179.0	125.8
503.3	82.5°	396.8	162.1	111.3	99.2	84.7	159.7	263.7	241.9	133.1	79.8
157.3	85°	128.2	53.2	41.1	31.5	38.7	99.2	157.3	164.5	94.4	41.1
24.2	87.5°	16.9	7.3	7.3	9.7	7.3	16.9	48.4	46.0	26.6	4.8
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°
5567.2
4909.1
3972.8
3072.7
2509.0
2303.3
2233.2
2153.3
2042.0
1899.3
1744.4
1594.4
1475.9
1396.0
1335.6
1340.4
1296.8
1197.6
1100.9
1018.6
963.0
924.2
851.7
791.2
706.5
612.1
517.8
462.1
411.3
324.2
237.1
186.3
123.4
79.8
31.5
0.0
0.0

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