

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: P948729

Luminaire Tested: **GLAN-SB3C-940-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948729
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-940-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16585 lumens
Efficiency: N/A
Efficacy: 111.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

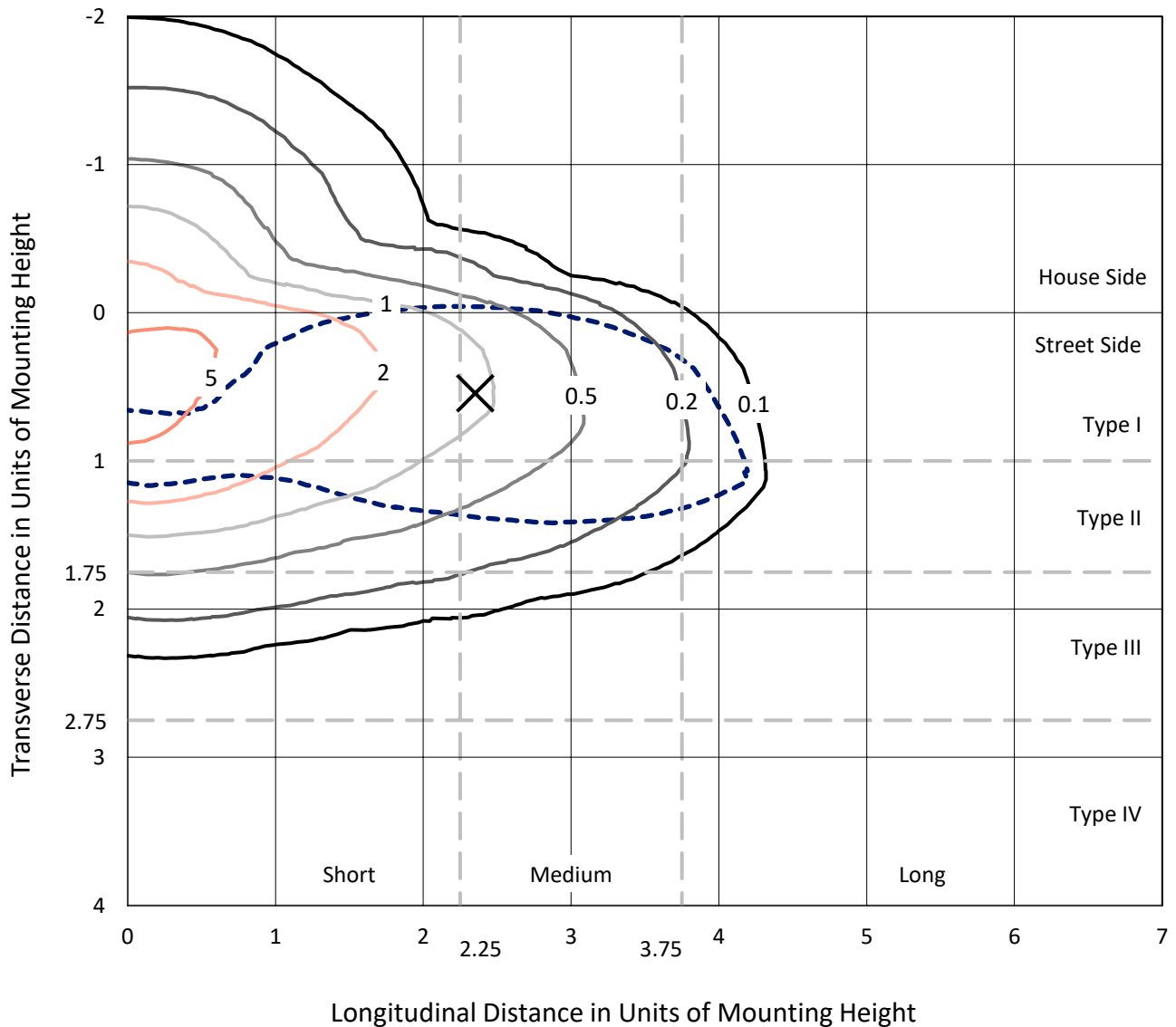
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

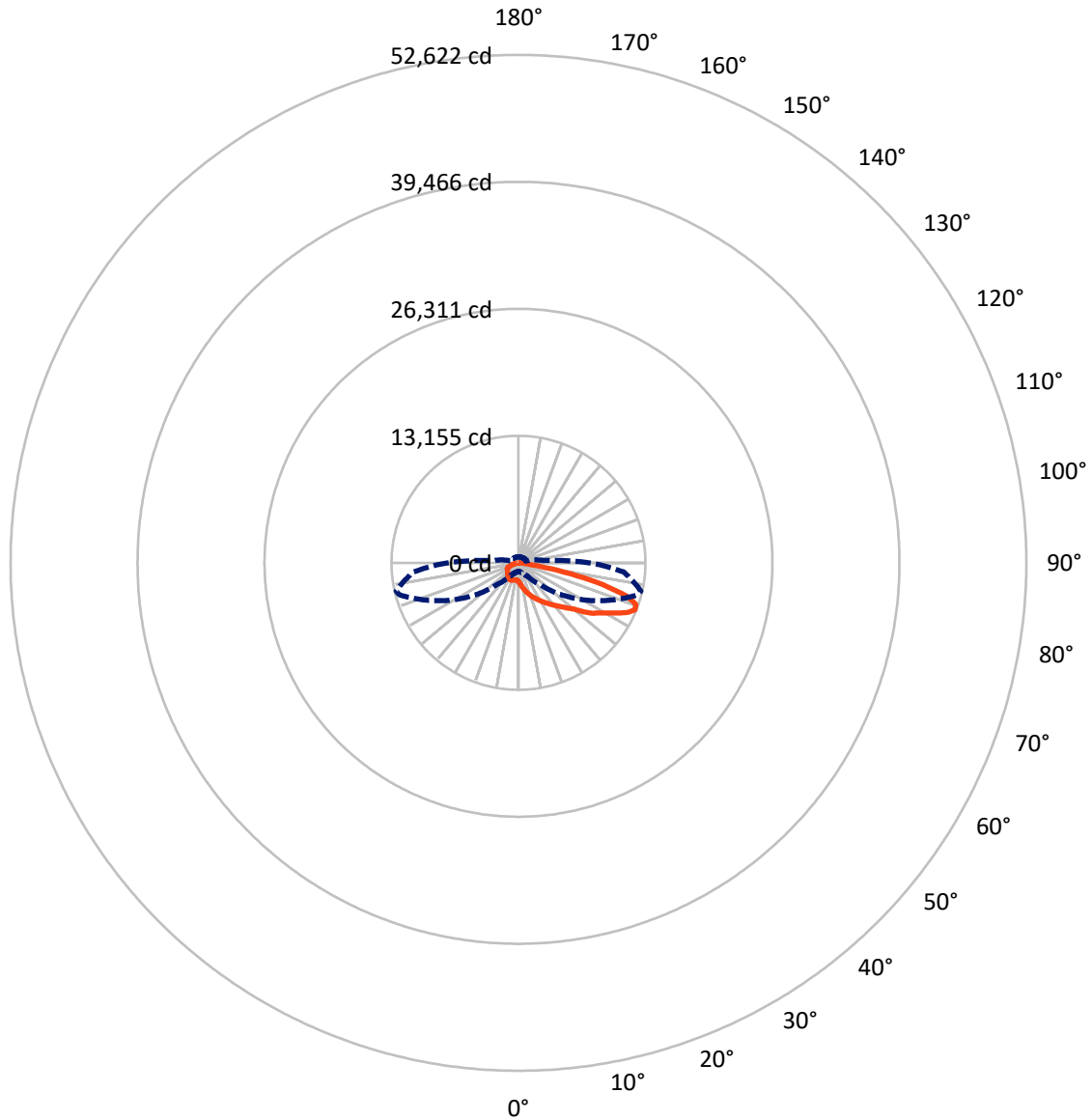
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3137.2	0.0	3137.2
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	13447.8	0.0	13447.8
	% Fixture	81.1	0.0	81.1
Total	Lumens	16585.0	0.0	16585.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.6	1.3
10°-20°	749.3	4.5
20°-30°	1414.8	8.5
30°-40°	2279.3	13.7
40°-50°	3117.6	18.8
50°-60°	3516.7	21.2
60°-70°	3282.4	19.8
70°-80°	1799.3	10.8
80°-90°	217.0	1.3
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°	16585.0	100.0
0°-180°	16585.0	100.0

Coefficient of Utilization

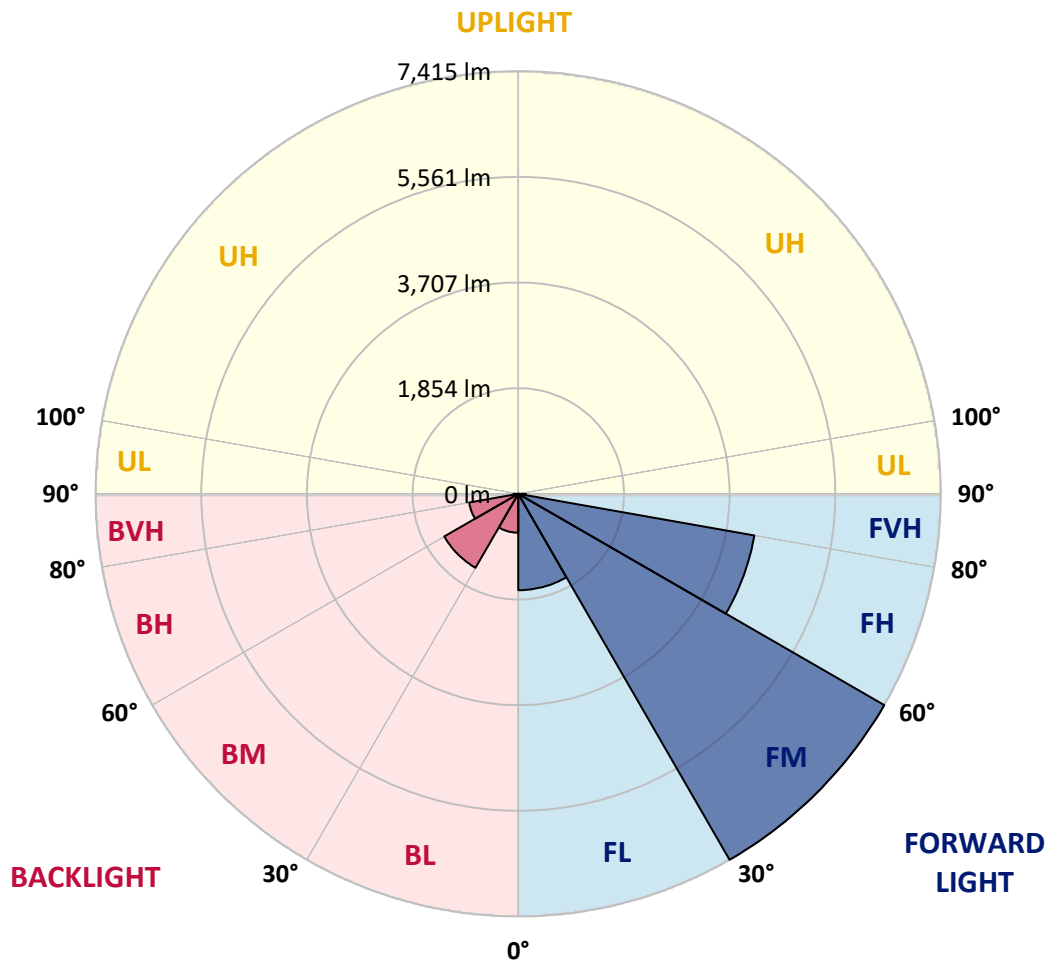


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1690.6	10.2			
FM (30°-60°)	7415.0	44.7			
FH (60°-80°)	4206.4	25.4			G2/5000
FVH (80°-90°)	135.7	0.8			G2/225
BL (0°-30°)	682.1	4.1	B2/1000		
BM (30°-60°)	1498.6	9.0	B2/2500		
BH (60°-80°)	875.2	5.3	B2/1000		G2/1000
BVH (80°-90°)	81.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9
2.5°	2436.5	2453.6	2432.2	2432.2	2360.3	2322.6	2250.7	2195.9	2097.5	2080.3
5°	2880.0	2901.4	2871.4	2858.5	2773.8	2695.9	2575.2	2456.2	2280.7	2262.7
7.5°	3223.3	3250.6	3224.1	3210.4	3135.1	3047.7	2906.5	2740.4	2493.0	2457.9
10°	3503.2	3507.5	3498.9	3504.1	3445.0	3373.1	3228.4	3034.9	2725.9	2677.9
12.5°	3661.6	3681.3	3698.4	3729.2	3718.9	3674.4	3544.3	3313.1	2972.4	2910.8
15°	3736.1	3770.3	3808.8	3879.9	3937.2	3948.4	3849.1	3611.9	3223.3	3148.8
17.5°	3762.6	3795.1	3855.9	3958.6	4081.9	4165.0	4120.5	3902.1	3471.5	3385.9
20°	3897.0	3906.4	3943.2	4040.8	4174.4	4312.2	4345.6	4181.2	3717.2	3620.5
22.5°	4184.7	4165.8	4176.1	4220.6	4316.5	4450.1	4526.2	4427.8	3969.8	3858.5
25°	4659.8	4605.0	4550.2	4498.9	4547.7	4623.0	4709.5	4674.4	4234.3	4093.1
27.5°	5259.9	5193.2	5072.4	4903.8	4844.7	4871.3	4909.8	4902.9	4479.2	4336.2
30°	5850.6	5772.7	5628.9	5384.9	5229.1	5158.9	5129.8	5110.1	4745.4	4593.0
32.5°	6322.4	6260.7	6119.5	5846.4	5620.4	5500.5	5403.8	5333.6	5023.6	4871.3
35°	6735.0	6677.7	6515.8	6217.9	5972.2	5844.7	5718.0	5568.1	5313.0	5158.9
37.5°	7111.7	7054.3	6832.6	6522.7	6275.3	6187.1	6074.1	5819.8	5603.2	5457.7
40°	7349.7	7336.9	7129.7	6778.7	6521.8	6478.2	6440.5	6111.8	5925.1	5789.9
42.5°	7410.5	7438.7	7274.4	6985.8	6741.0	6705.9	6794.1	6442.2	6286.4	6157.1
45°	7264.1	7345.4	7237.5	7041.5	6896.8	6878.0	7107.4	6803.5	6686.2	6568.1
47.5°	6893.4	7031.2	6986.7	6959.3	6938.8	7020.1	7383.1	7187.0	7139.1	7036.4
50°	6145.2	6406.3	6484.2	6657.1	6855.7	7130.5	7633.9	7605.7	7668.2	7564.6
52.5°	4851.6	5211.1	5663.2	6096.4	6600.6	7093.7	7909.6	8206.7	8470.3	8413.8
55°	4004.9	4166.7	4514.3	5308.7	6105.8	6938.8	8033.7	8692.1	9266.5	9216.0
57.5°	3354.2	3498.9	3712.9	4376.4	5357.5	6586.9	8110.8	8988.3	9811.9	9806.7
60°	2656.5	2809.7	3028.9	3498.9	4483.4	5979.1	8093.7	9325.6	10507.9	10550.7
62.5°	1868.9	2037.5	2280.7	2719.0	3590.5	5191.4	7744.4	9569.6	11327.2	11443.6
65°	1228.5	1339.8	1523.0	1901.4	2675.3	4178.7	7077.5	9601.3	12203.8	12400.7
67.5°	861.2	904.1	1011.9	1217.4	1763.6	3204.4	6015.0	9273.4	12788.6	13010.3
70°	672.0	693.4	748.2	830.4	1107.8	2154.8	4609.3	8420.7	12663.6	12894.7
72.5°	580.4	601.0	621.5	631.8	743.1	1330.4	3122.2	7040.6	11486.4	11643.1
75°	526.5	531.6	548.8	545.3	566.7	863.0	1802.1	5129.8	9062.8	9008.8
77.5°	442.6	449.5	477.7	473.4	503.4	589.9	935.7	3310.6	5875.5	5509.1
80°	375.0	378.4	409.2	404.1	437.5	427.2	477.7	1687.4	2492.1	2111.2
82.5°	130.1	160.9	312.5	321.9	333.9	258.5	275.7	688.3	761.1	583.0
85°	63.4	67.6	159.2	226.0	225.2	130.1	134.4	245.7	239.7	188.3
87.5°	10.3	12.8	18.8	88.2	70.2	34.2	46.2	47.9	49.7	42.8
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°
1945.9	0°	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9	1945.9
2015.3	2.5°	1967.3	1924.5	1834.6	1751.6	1686.5	1624.0	1588.9	1559.0	1541.9	1538.4
2109.5	5°	2020.4	1932.2	1768.7	1630.9	1541.0	1474.2	1439.1	1416.9	1405.7	1398.9
2236.2	7.5°	2096.6	1967.3	1734.5	1577.8	1483.6	1435.7	1417.7	1414.3	1413.4	1414.3
2389.4	10°	2201.9	2024.7	1731.1	1565.0	1486.2	1459.7	1458.8	1459.7	1463.1	1463.9
2556.3	12.5°	2315.8	2083.8	1744.8	1576.1	1518.7	1504.2	1501.6	1500.8	1503.3	1505.0
2725.0	15°	2439.9	2161.7	1767.9	1600.1	1554.7	1539.3	1536.7	1531.6	1530.7	1529.9
2902.2	17.5°	2567.5	2238.7	1793.5	1625.8	1577.8	1556.4	1547.0	1535.0	1525.6	1523.0
3085.4	20°	2696.7	2314.9	1811.5	1638.6	1579.5	1549.6	1530.7	1510.2	1493.9	1484.5
3270.3	22.5°	2834.6	2394.5	1822.7	1635.2	1564.1	1523.0	1488.8	1464.8	1440.0	1423.7
3457.0	25°	2969.0	2463.9	1821.8	1617.2	1534.1	1481.9	1438.3	1407.4	1373.2	1356.1
3649.6	27.5°	3098.3	2526.4	1800.4	1585.5	1491.3	1433.1	1380.9	1344.1	1310.7	1294.4
3843.9	30°	3231.8	2578.6	1767.0	1539.3	1440.8	1376.6	1319.3	1287.6	1257.6	1242.2
4049.4	32.5°	3364.5	2626.5	1719.9	1481.9	1382.6	1321.0	1264.5	1235.4	1217.4	1217.4
4270.3	35°	3504.9	2659.9	1657.4	1415.1	1321.0	1261.9	1217.4	1200.3	1198.6	1188.3
4504.0	37.5°	3653.0	2681.3	1581.2	1346.7	1260.2	1204.5	1190.8	1170.3	1153.2	1130.9
4760.8	40°	3808.8	2702.7	1489.6	1275.6	1196.0	1165.2	1159.2	1131.8	1083.0	1028.2
5051.9	42.5°	3998.0	2717.3	1394.6	1204.5	1128.4	1118.1	1126.6	1079.6	1001.6	960.6
5402.9	45°	4217.2	2741.3	1307.3	1134.3	1059.0	1059.0	1095.0	1033.3	969.1	943.4
5803.6	47.5°	4501.4	2796.9	1225.9	1057.3	994.8	1011.9	1024.8	977.7	941.7	910.0
6291.5	50°	4912.4	2930.5	1142.0	979.4	946.0	980.2	962.3	934.9	892.9	867.2
7067.2	52.5°	5422.6	3009.2	1067.6	909.2	904.1	938.3	912.6	886.9	855.3	821.0
7655.3	55°	5770.2	3023.8	1005.1	857.8	875.8	872.4	863.0	839.8	822.7	777.3
8235.8	57.5°	6158.8	3052.9	953.7	827.0	857.8	820.2	816.7	797.0	774.8	744.0
8943.8	60°	6623.7	3098.3	909.2	815.0	842.4	785.9	768.8	761.1	738.8	723.4
9795.6	62.5°	7130.5	3139.4	863.8	816.7	824.4	752.5	726.8	724.3	710.6	705.4
10595.2	65°	7476.4	3027.2	807.3	815.0	796.2	718.3	685.7	684.9	673.8	672.0
10941.9	67.5°	7355.7	2671.9	731.1	791.0	767.1	684.0	648.1	644.7	630.1	631.0
10579.8	70°	6751.3	2165.1	625.8	732.0	731.1	653.2	608.7	597.6	577.9	581.3
9198.9	72.5°	5617.8	1604.3	484.6	633.5	673.8	625.0	563.3	545.3	520.5	523.9
6790.7	75°	4057.1	1090.7	352.7	482.0	586.4	591.6	518.8	488.0	458.0	463.2
3779.7	77.5°	2076.1	618.1	259.4	332.2	460.6	537.6	478.6	437.5	430.6	478.6
1089.8	80°	677.2	309.9	179.8	232.9	302.2	440.0	419.5	372.4	370.7	381.8
228.6	82.5°	202.0	131.0	115.6	153.2	166.9	337.3	362.1	281.7	242.3	255.1
76.2	85°	69.3	63.4	65.9	76.2	79.6	197.8	253.4	186.6	176.4	194.3
17.1	87.5°	16.3	22.3	18.8	17.1	17.1	47.9	98.5	77.9	107.9	71.9
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°
1945.9
1538.4
1398.0
1416.9
1464.8
1505.9
1529.0
1525.6
1487.9
1424.6
1356.1
1293.6
1241.4
1218.2
1185.7
1127.5
1020.5
961.4
947.7
909.2
864.7
814.2
778.2
733.7
727.7
705.4
671.2
631.0
584.7
523.1
464.9
471.7
327.9
263.7
191.8
69.3
0.0

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