

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: P846815

Luminaire Tested: **GLAN-SB2C-840-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846815
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-SB2C-840-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 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: 9726 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

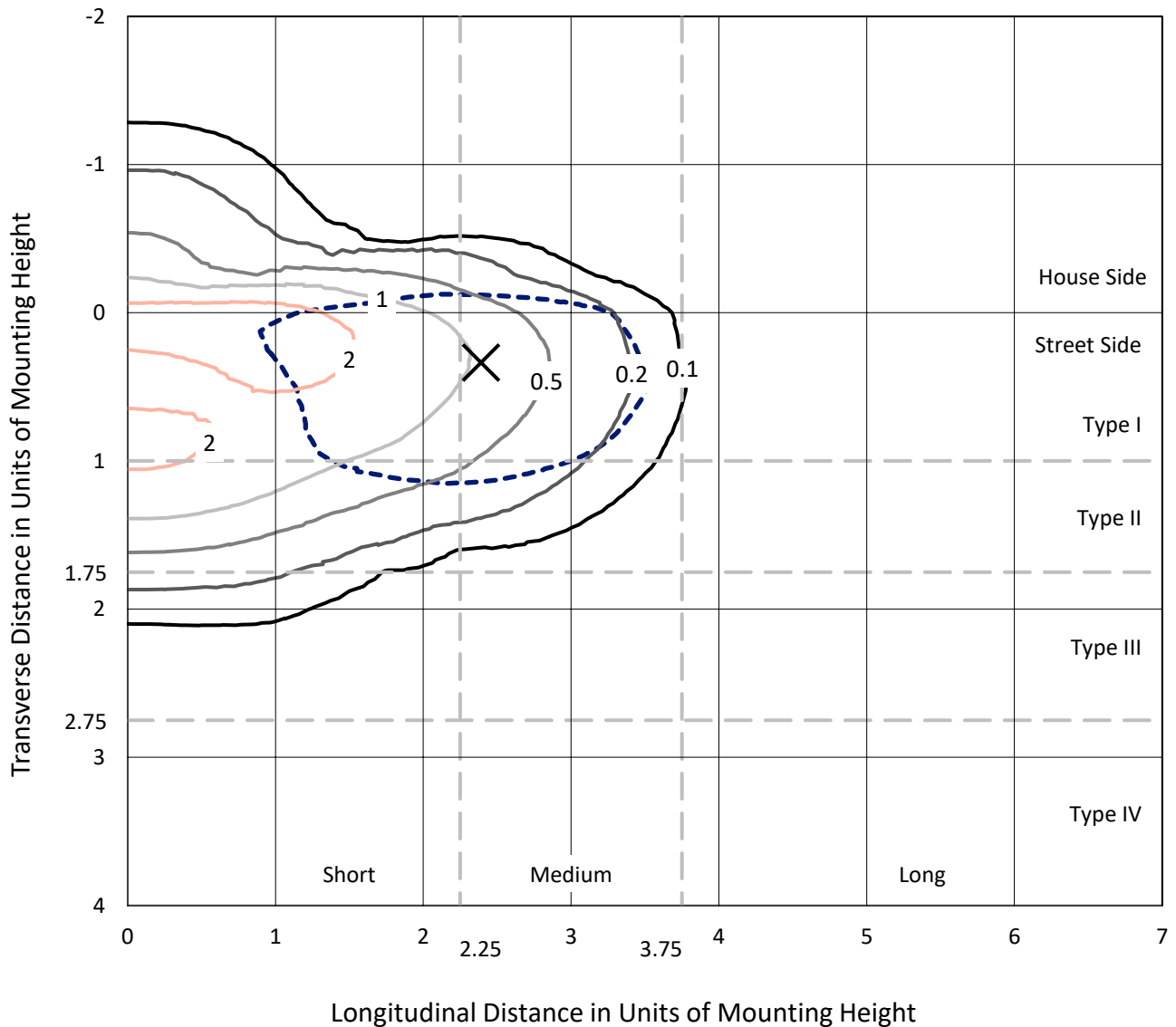
Input Watts (W): 100.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

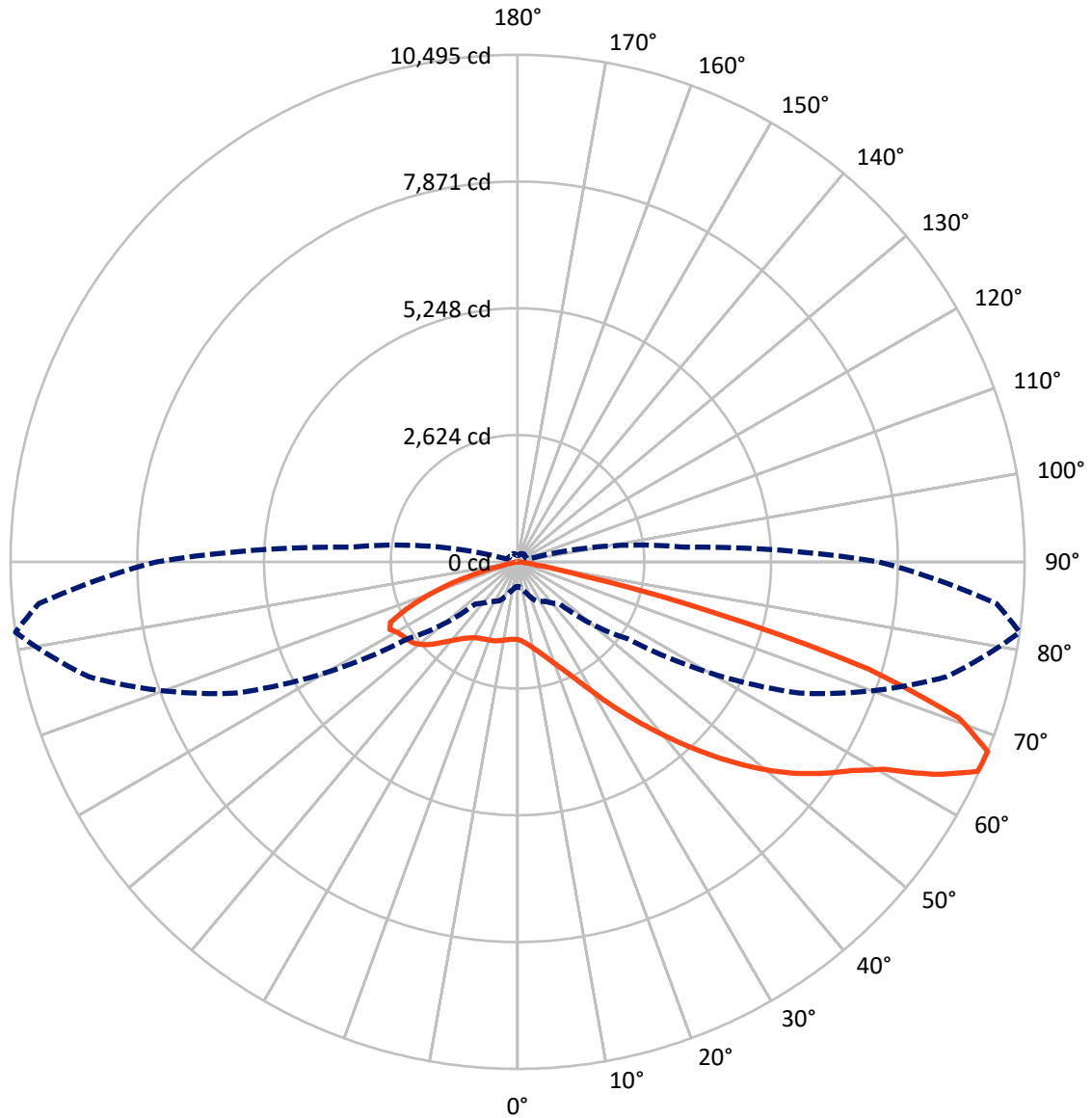
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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	1761.8	0.0	1761.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	7964.2	0.0	7964.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	9726.0	0.0	9726.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.6	1.5
10°-20°	373.0	3.8
20°-30°	597.5	6.1
30°-40°	1056.5	10.9
40°-50°	1851.1	19.0
50°-60°	2468.9	25.4
60°-70°	2298.4	23.6
70°-80°	882.1	9.1
80°-90°	54.8	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°	9726.0	100.0
0°-180°	9726.0	100.0

Coefficient of Utilization

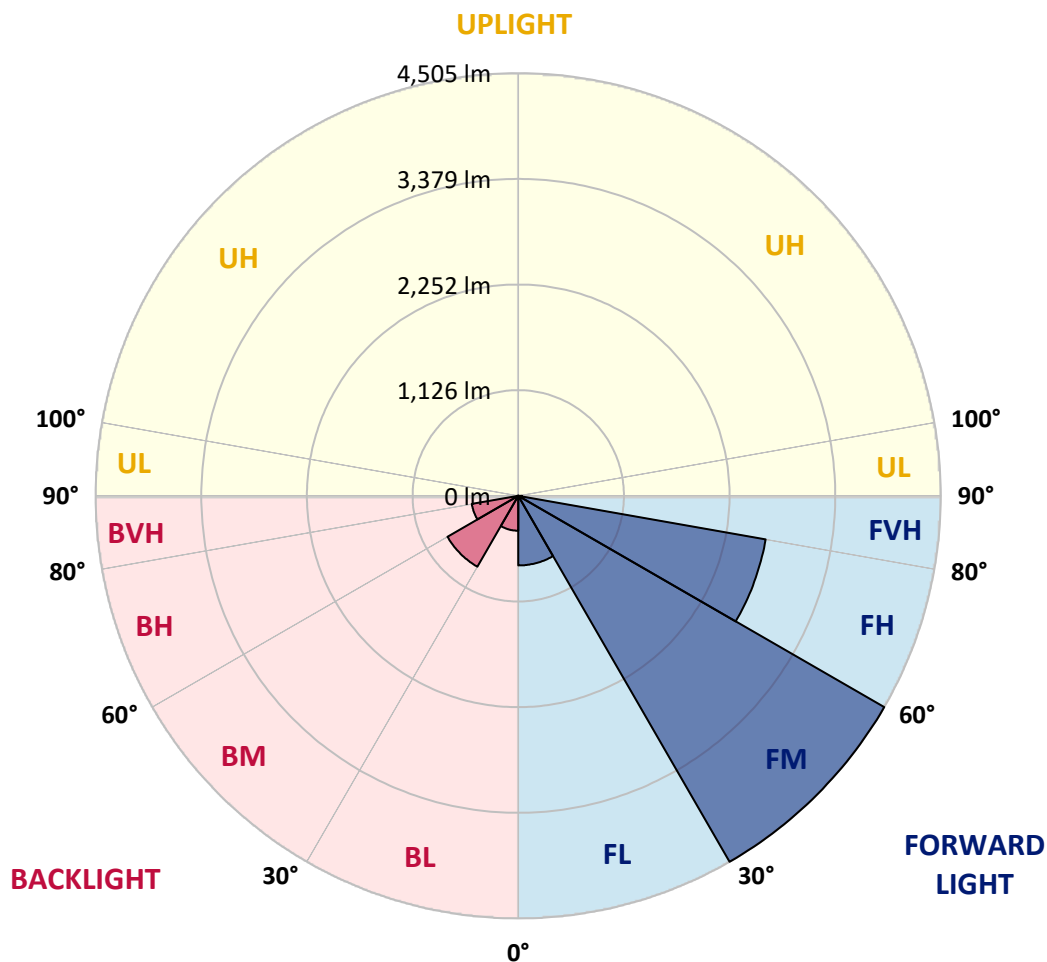


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	742.0	7.6			
FM (30°-60°)	4504.7	46.3			
FH (60°-80°)	2677.7	27.5			G2/5000
FVH (80°-90°)	39.8	0.4			G1/100
BL (0°-30°)	372.1	3.8	B1/500		
BM (30°-60°)	871.9	9.0	B1/1000		
BH (60°-80°)	502.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	15.0	0.2			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°	82°
0°	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3
2.5°	1703.0	1712.8	1707.2	1704.4	1699.5	1692.5	1686.9	1669.4	1651.2	1639.3
5°	1737.3	1747.1	1746.4	1749.2	1752.7	1754.8	1753.4	1733.8	1707.9	1687.6
7.5°	1707.9	1719.1	1728.2	1742.2	1766.7	1792.6	1805.2	1801.0	1774.4	1746.4
10°	1624.6	1636.5	1658.2	1691.1	1742.9	1798.9	1845.9	1867.6	1850.8	1819.9
12.5°	1471.9	1483.8	1526.5	1598.0	1684.8	1782.1	1871.8	1929.9	1934.1	1903.3
15°	1300.4	1312.3	1357.8	1447.4	1579.8	1735.9	1885.8	1995.7	2032.8	2006.2
17.5°	1193.9	1204.4	1238.7	1310.9	1448.8	1643.5	1880.9	2065.7	2150.5	2129.5
20°	1161.7	1170.8	1186.9	1237.3	1352.2	1547.5	1848.7	2131.6	2277.2	2265.3
22.5°	1196.0	1204.4	1209.3	1231.7	1303.9	1484.5	1808.0	2198.8	2424.3	2425.7
25°	1275.2	1283.6	1278.0	1292.0	1323.5	1464.9	1792.6	2277.9	2609.1	2624.5
27.5°	1405.4	1406.1	1392.8	1392.1	1397.0	1494.3	1808.7	2362.6	2842.3	2871.0
30°	1666.6	1656.1	1605.0	1549.6	1524.4	1582.6	1853.6	2462.8	3117.5	3168.6
32.5°	2069.2	2053.8	1960.0	1827.6	1694.6	1724.7	1934.1	2576.9	3417.2	3509.6
35°	2506.2	2502.0	2403.9	2207.2	1974.7	1927.1	2065.0	2726.8	3744.2	3891.3
37.5°	2912.3	2910.2	2854.2	2622.4	2339.5	2209.3	2275.1	2922.8	4094.3	4307.2
40°	3283.5	3289.8	3233.7	3026.5	2741.5	2571.3	2560.8	3165.1	4483.7	4760.3
42.5°	3604.2	3611.2	3554.5	3401.1	3138.5	2971.8	2911.6	3462.0	4863.9	5247.0
45°	3821.9	3865.4	3857.0	3734.4	3546.1	3373.1	3333.2	3834.6	5297.4	5763.0
47.5°	3883.6	3923.5	3986.5	4003.3	3888.5	3718.3	3765.9	4283.4	5735.7	6279.8
50°	3731.6	3768.7	3899.7	4074.0	4153.9	4101.3	4186.8	4764.5	6184.6	6795.2
52.5°	3431.9	3469.7	3635.0	3910.9	4236.5	4401.8	4609.0	5238.6	6619.4	7283.3
55°	2998.5	3038.4	3250.5	3562.9	4078.9	4525.7	4961.3	5711.9	7017.9	7722.3
57.5°	2408.9	2438.3	2658.8	3095.8	3682.6	4402.5	5221.0	6228.7	7393.2	8153.7
60°	1570.0	1595.9	1852.2	2339.5	3025.8	3990.7	5272.9	6805.0	7891.8	8714.6
62.5°	1044.1	1061.6	1213.5	1571.4	2130.9	3200.1	4969.7	7265.1	8622.8	9690.7
65°	716.4	733.9	885.8	1135.1	1376.7	2116.8	4097.8	7204.1	9285.3	10465.9
67.5°	511.2	525.9	654.7	890.0	996.5	1229.6	2777.9	6425.5	9190.0	10495.3
70°	366.2	374.6	481.1	693.2	792.0	738.8	1544.7	4914.3	8046.5	9691.4
72.5°	256.3	259.1	334.0	528.0	637.9	539.2	735.3	3276.5	6085.8	7606.8
75°	173.7	177.2	224.8	387.2	511.9	411.7	389.3	1756.9	3572.7	4210.6
77.5°	106.4	107.8	145.0	264.7	383.0	313.7	250.7	744.4	1382.3	1357.1
80°	60.2	60.2	92.4	164.6	261.2	202.4	175.8	316.5	437.7	384.4
82.5°	33.6	34.3	67.2	102.2	173.0	119.7	96.6	146.4	189.1	167.4
85°	14.0	15.4	41.3	48.3	82.6	59.5	39.2	61.6	70.0	62.3
87.5°	1.4	2.1	12.6	9.1	9.8	11.9	5.6	11.9	9.8	9.8
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°
1611.3	0°	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3	1611.3
1635.1	2.5°	1621.8	1611.3	1584.7	1553.8	1513.2	1493.6	1467.0	1448.8	1433.4	1434.8
1675.7	5°	1653.3	1626.7	1567.2	1492.9	1400.5	1334.7	1264.6	1216.3	1177.1	1168.7
1731.7	7.5°	1696.7	1654.7	1550.3	1416.6	1260.4	1142.1	1036.4	968.4	920.1	904.7
1799.6	10°	1752.7	1691.8	1528.6	1320.7	1095.9	945.3	831.9	778.7	745.8	734.6
1879.5	12.5°	1817.8	1734.5	1499.9	1203.7	926.4	781.5	709.4	682.7	672.2	668.7
1977.5	15°	1899.8	1787.7	1456.5	1065.1	782.9	681.3	650.5	647.0	648.4	647.0
2095.1	17.5°	1997.1	1845.9	1385.8	922.2	686.2	630.2	619.0	621.8	625.3	624.6
2226.8	20°	2103.5	1903.3	1295.5	795.5	620.4	593.8	587.5	590.3	593.1	591.7
2378.7	22.5°	2224.7	1964.9	1195.3	696.7	576.3	560.2	553.2	553.9	553.9	551.1
2571.3	25°	2369.6	2032.8	1090.3	626.7	542.7	530.1	521.7	518.9	514.7	506.3
2805.2	27.5°	2542.6	2104.9	989.4	577.7	516.1	504.2	494.4	487.4	476.9	462.9
3086.0	30°	2737.3	2192.5	904.0	546.9	495.1	483.2	472.0	461.5	446.1	428.6
3408.8	32.5°	2966.2	2286.3	841.7	526.6	476.2	463.6	450.3	437.7	420.8	403.3
3771.5	35°	3239.3	2399.7	805.3	512.6	461.5	444.7	430.0	415.9	403.3	387.9
4165.8	37.5°	3535.5	2520.2	794.1	505.6	451.7	425.8	408.9	399.1	397.7	388.6
4592.2	40°	3859.8	2663.0	802.5	501.4	441.2	407.5	389.3	387.2	390.7	374.6
5048.1	42.5°	4202.9	2832.5	816.5	496.5	426.5	389.3	371.8	371.8	369.0	346.6
5529.9	45°	4574.0	3027.9	830.5	484.6	408.9	371.1	357.8	352.9	341.0	319.3
6014.4	47.5°	4947.9	3226.7	841.0	462.9	387.9	355.7	343.8	332.6	315.1	295.5
6489.9	50°	5303.0	3405.3	829.8	430.7	364.1	341.0	328.4	313.0	294.1	280.8
6940.2	52.5°	5620.2	3560.1	782.2	392.8	338.9	325.6	314.4	298.3	282.9	268.9
7346.3	55°	5896.1	3685.4	698.1	357.1	316.5	312.3	301.1	280.8	259.8	247.9
7748.9	57.5°	6160.8	3780.6	593.1	327.7	296.2	297.6	280.8	262.6	243.0	230.4
8291.6	60°	6513.0	3908.1	486.7	300.4	274.5	278.7	260.5	247.2	222.7	206.6
9222.3	62.5°	7076.0	4106.3	386.5	266.8	249.3	250.7	243.0	226.9	197.5	178.6
9912.0	65°	7522.8	4033.4	304.6	230.4	220.6	222.7	222.7	205.2	173.7	152.0
9949.1	67.5°	7472.3	3453.6	243.0	194.7	193.3	194.7	199.6	184.9	154.1	136.5
9191.4	70°	6883.4	2747.1	194.7	161.8	168.1	164.6	178.6	168.8	138.6	121.1
7125.7	72.5°	5616.7	1978.9	148.5	133.7	128.8	134.4	161.1	152.0	115.5	95.9
3774.3	75°	3282.1	1056.0	110.6	105.7	93.1	112.0	142.9	129.5	88.2	70.7
1156.8	77.5°	1068.6	368.3	81.2	77.7	69.3	90.3	121.8	109.2	72.1	56.0
338.9	80°	286.4	111.3	55.3	51.1	44.8	67.2	96.6	86.8	51.8	36.4
145.7	82.5°	114.8	46.9	32.2	28.7	24.5	46.2	76.3	70.0	38.5	23.1
45.5	85°	37.1	15.4	11.9	9.1	11.2	28.7	45.5	47.6	27.3	11.9
7.0	87.5°	4.9	2.1	2.1	2.8	2.1	4.9	14.0	13.3	7.7	1.4
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°
1611.3
1420.8
1149.8
889.3
726.2
666.6
646.3
623.2
591.0
549.7
504.9
461.5
427.2
404.0
386.5
387.9
375.3
346.6
318.6
294.8
278.7
267.5
246.5
229.0
204.5
177.2
149.9
133.7
119.0
93.8
68.6
53.9
35.7
23.1
9.1
0.0
0.0

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