

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: P852139

Luminaire Tested: **GLAN-SB1C-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852139
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6358 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

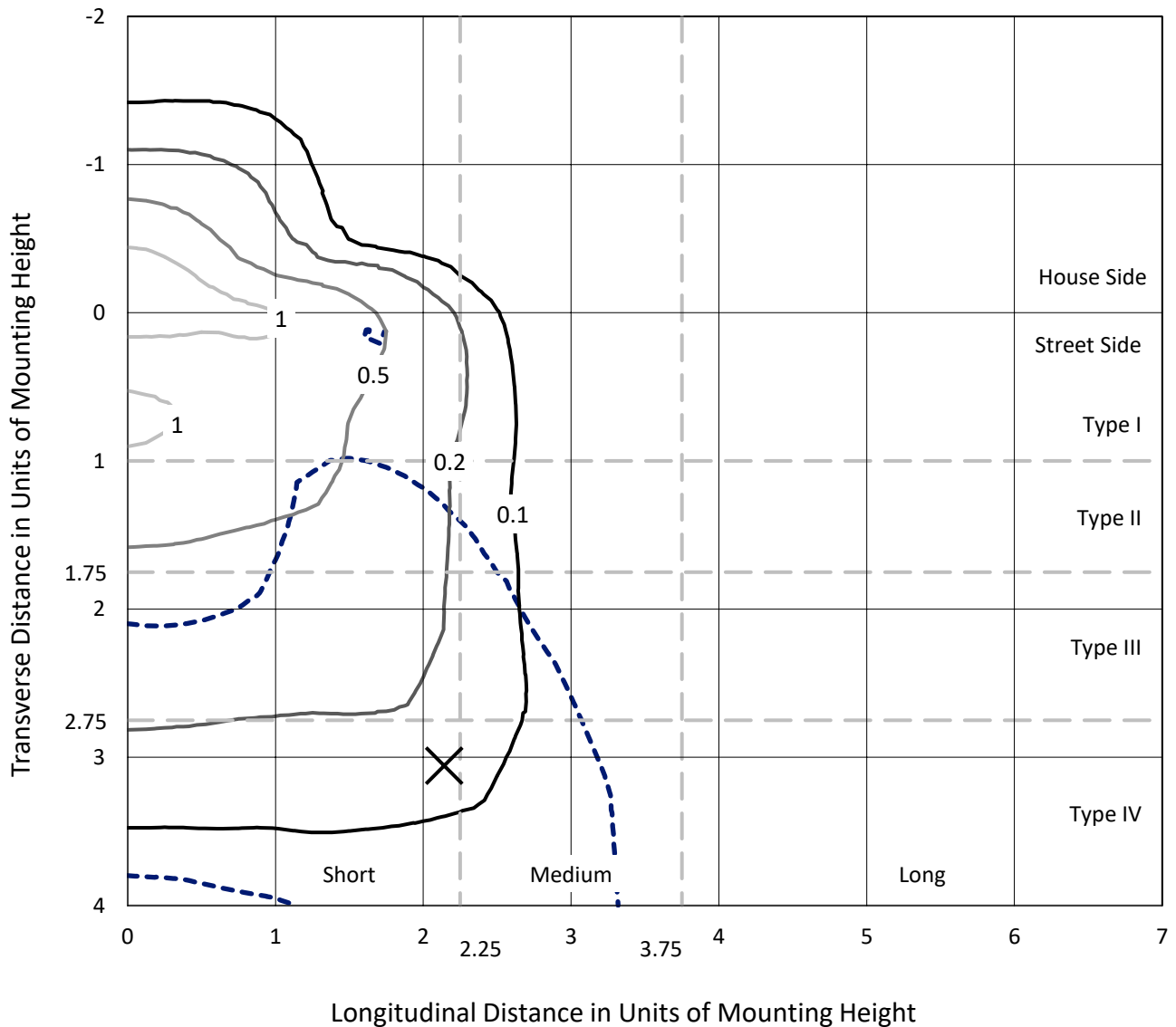
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

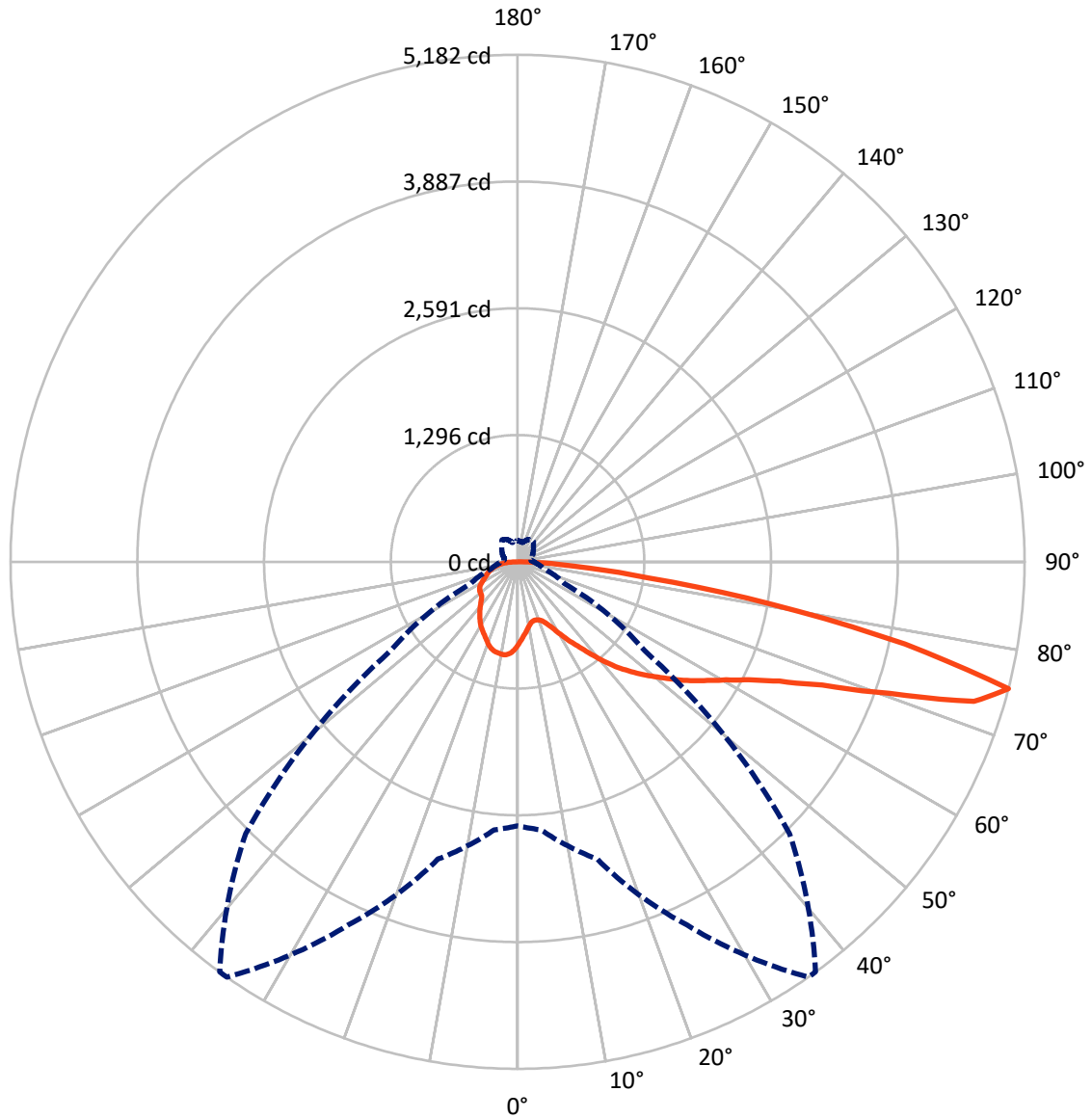
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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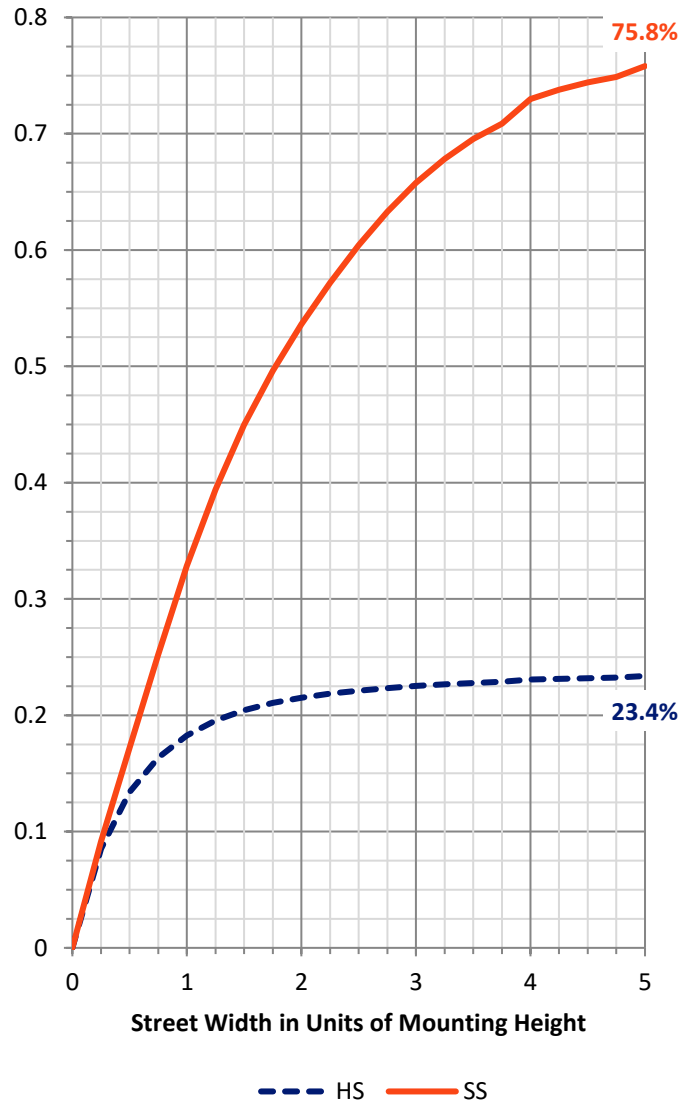
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1513.0	0.0	1513.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	4845.0	0.0	4845.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	6358.0	0.0	6358.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.2	1.3
10°-20°	231.4	3.6
20°-30°	388.5	6.1
30°-40°	603.9	9.5
40°-50°	896.3	14.1
50°-60°	1237.4	19.5
60°-70°	1501.2	23.6
70°-80°	1240.6	19.5
80°-90°	178.4	2.8
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°	6358.0	100.0
0°-180°	6358.0	100.0

Coefficient of Utilization



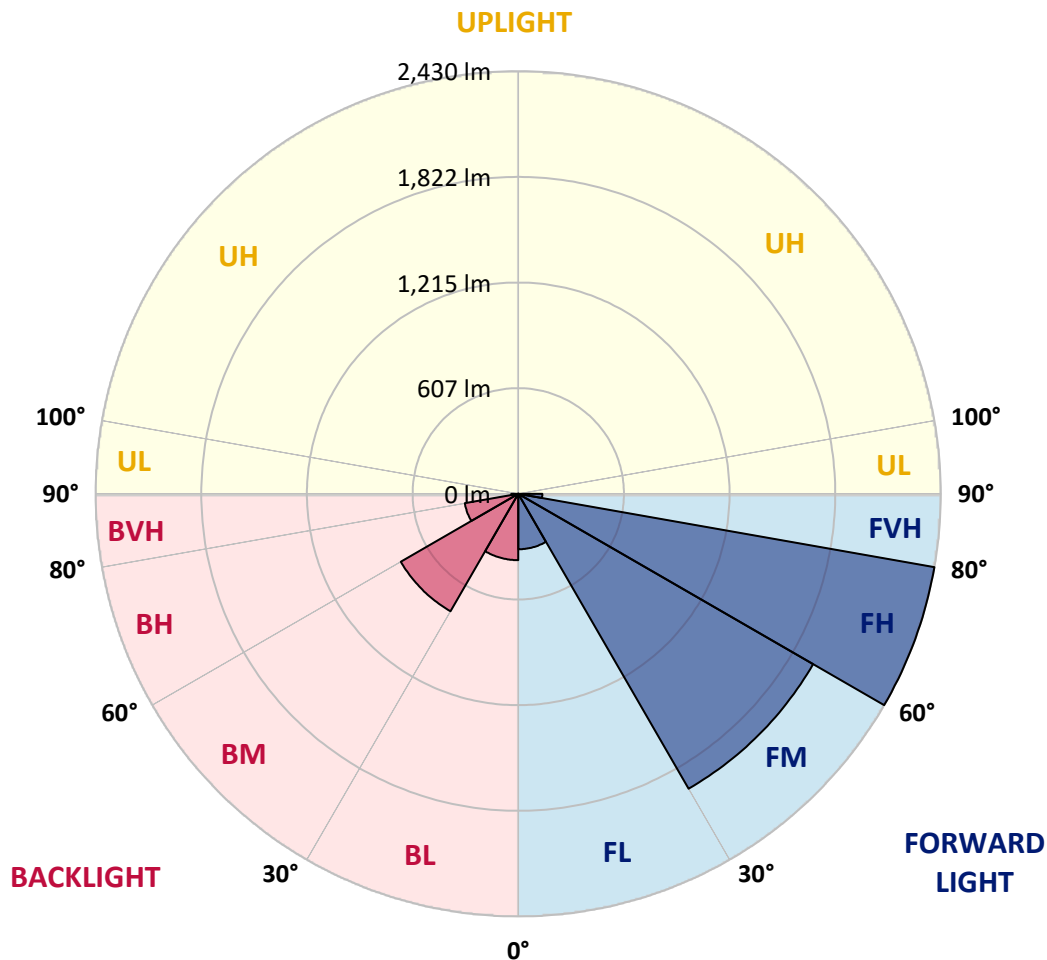
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	318.8	5.0			
FM (30°-60°)	1957.9	30.8			
FH (60°-80°)	2429.9	38.2			G2/5000
FVH (80°-90°)	138.3	2.2			G2/225
BL (0°-30°)	381.3	6.0	B1/500		
BM (30°-60°)	779.6	12.3	B1/1000		
BH (60°-80°)	311.9	4.9	B1/500		G1/500
BVH (80°-90°)	40.2	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2
2.5°	781.3	786.1	788.1	787.1	792.3	791.6	798.8	807.7	820.1	832.1
5°	721.1	726.3	730.7	734.9	744.8	747.9	759.3	776.4	799.1	822.2
7.5°	665.1	669.5	676.4	684.0	700.8	703.9	722.8	749.6	781.3	814.9
10°	619.4	623.8	631.1	639.6	660.6	664.4	688.5	724.2	765.4	808.1
12.5°	599.8	601.1	605.3	613.9	632.1	634.5	661.0	701.9	750.0	802.9
15°	598.7	601.5	601.8	606.3	621.4	622.5	646.9	687.4	740.4	801.9
17.5°	609.1	611.1	608.0	610.8	623.5	625.2	644.5	680.5	737.3	806.3
20°	636.6	638.3	629.0	625.2	634.5	635.9	654.8	685.0	740.4	815.6
22.5°	695.0	696.0	673.3	657.9	658.5	659.2	675.7	703.2	752.4	832.5
25°	786.1	785.4	749.3	719.4	702.2	698.4	709.4	732.8	772.7	854.8
27.5°	892.6	887.5	851.4	806.7	769.2	763.7	761.3	771.3	801.5	884.4
30°	1012.9	1008.1	969.3	910.8	858.9	850.0	827.3	822.2	844.5	924.6
32.5°	1144.9	1141.8	1095.4	1024.6	955.2	944.9	906.7	893.0	910.5	985.4
35°	1255.6	1252.8	1214.3	1141.5	1056.6	1043.8	1005.0	989.5	998.5	1063.4
37.5°	1355.6	1354.2	1321.2	1263.8	1176.2	1160.7	1117.1	1111.9	1110.2	1166.2
40°	1448.4	1445.0	1410.6	1380.3	1315.4	1301.3	1262.8	1258.3	1245.3	1292.7
42.5°	1551.2	1542.2	1492.4	1478.3	1460.8	1449.1	1426.1	1426.7	1397.9	1435.3
45°	1635.0	1629.9	1578.7	1570.4	1589.3	1584.5	1604.4	1609.6	1553.6	1584.8
47.5°	1725.1	1720.3	1677.0	1671.1	1722.3	1723.7	1794.2	1795.9	1705.5	1740.2
50°	1836.1	1829.2	1786.3	1793.5	1850.9	1856.0	1984.9	1973.2	1845.4	1898.0
52.5°	1909.3	1913.4	1904.2	1915.8	1994.2	1999.0	2172.6	2142.7	1983.9	2053.7
55°	1963.3	1971.5	2000.4	2027.2	2145.4	2150.3	2349.6	2303.9	2098.7	2198.0
57.5°	2032.7	2021.0	2075.0	2127.2	2289.1	2301.8	2521.8	2459.2	2200.4	2322.5
60°	2132.4	2124.1	2166.1	2243.4	2450.0	2470.2	2704.0	2599.1	2275.0	2421.1
62.5°	2334.5	2313.9	2320.4	2388.8	2652.8	2679.6	2909.5	2721.2	2312.1	2459.6
65°	2636.6	2601.2	2568.2	2615.6	2938.4	2964.8	3141.5	2817.1	2298.4	2385.0
67.5°	3017.1	2982.0	2941.5	2986.2	3359.1	3380.0	3427.8	2871.0	2190.1	2097.7
70°	3330.9	3317.8	3366.3	3550.2	4031.0	4031.7	3794.9	2826.3	1893.5	1487.2
72.5°	3289.3	3281.4	3536.8	4105.3	4877.9	4859.7	4142.4	2488.1	1275.5	670.9
75°	2698.5	2749.7	3145.3	4095.3	5182.1	5179.7	3929.6	1581.8	527.6	278.1
77.5°	1447.0	1528.1	2042.0	3023.6	4045.5	4106.3	2762.7	553.4	226.5	178.0
80°	471.9	542.7	813.9	1539.5	2628.7	2617.4	1184.1	217.2	155.0	126.1
82.5°	200.4	208.6	363.6	726.9	1349.1	1328.1	377.1	124.8	109.0	86.3
85°	78.4	87.6	160.5	336.1	584.3	571.6	136.1	61.9	69.8	56.4
87.5°	25.8	31.3	57.4	115.1	181.8	175.3	33.3	21.3	30.2	25.8
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°
847.2	0°	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2	847.2
849.7	2.5°	854.5	860.0	866.5	876.1	884.4	891.2	898.5	902.9	904.6	909.8
851.0	5°	860.7	872.7	888.8	904.6	920.1	929.4	937.6	941.8	945.5	948.3
854.8	7.5°	871.0	886.4	911.9	932.5	945.5	953.1	958.6	957.2	958.6	959.3
858.9	10°	879.9	901.6	931.8	951.4	961.4	961.7	960.3	955.5	953.1	953.5
865.1	12.5°	890.6	914.6	947.3	963.8	966.5	959.0	953.1	944.9	941.8	940.4
874.4	15°	905.0	932.5	964.1	970.3	963.4	953.8	943.8	930.4	923.6	918.1
890.2	17.5°	922.5	952.8	977.2	972.7	957.9	942.1	926.0	905.7	891.6	885.7
911.9	20°	946.9	974.1	987.1	967.5	945.2	921.1	893.6	868.9	855.8	850.0
939.4	22.5°	976.5	1002.6	996.8	958.6	927.0	888.5	854.1	835.9	829.4	825.2
974.8	25°	1011.9	1034.2	1003.6	945.5	897.1	845.2	818.7	812.9	809.8	806.7
1018.1	27.5°	1057.9	1070.0	1008.8	926.3	850.3	799.1	789.5	790.5	789.5	784.3
1078.2	30°	1118.8	1116.4	1013.6	895.0	796.7	757.5	758.2	762.7	763.4	759.9
1162.1	32.5°	1198.9	1174.5	1016.0	854.5	745.5	721.1	721.8	726.6	730.0	724.2
1271.7	35°	1295.8	1242.2	1012.2	803.6	706.0	686.4	681.2	682.6	683.6	678.1
1404.7	37.5°	1408.9	1318.1	995.4	747.2	673.3	652.4	641.4	632.1	626.6	621.4
1555.3	40°	1532.9	1401.0	964.5	692.2	636.9	616.3	599.8	582.2	563.7	556.8
1714.8	42.5°	1662.9	1486.2	927.0	639.6	595.0	578.1	560.6	535.2	507.3	493.2
1880.4	45°	1797.6	1573.5	890.2	587.7	552.0	544.8	524.5	493.9	463.7	445.8
2046.5	47.5°	1929.6	1656.0	836.2	535.5	511.8	519.7	503.9	475.7	442.0	413.8
2211.1	50°	2055.7	1733.3	747.9	482.6	479.1	512.1	497.0	456.4	418.0	381.9
2372.6	52.5°	2180.8	1795.9	634.8	434.5	461.6	510.1	488.1	443.4	396.3	358.5
2524.6	55°	2287.1	1828.2	525.9	393.2	436.2	492.5	477.4	427.9	365.7	325.5
2628.7	57.5°	2347.5	1802.1	435.1	352.6	401.1	463.7	459.2	394.9	329.3	298.3
2649.0	60°	2321.4	1696.2	360.9	317.2	367.8	432.4	427.6	362.3	301.4	272.2
2540.4	62.5°	2177.4	1494.5	302.1	286.3	337.5	400.4	396.0	337.2	280.1	251.9
2252.0	65°	1887.3	1215.7	256.4	260.5	306.9	361.9	368.5	316.2	263.3	235.8
1742.3	67.5°	1439.5	880.6	220.7	238.2	277.0	324.1	343.0	301.1	249.2	223.1
1008.1	70°	820.4	500.1	190.4	216.5	250.6	289.1	323.4	289.1	234.1	212.4
377.7	72.5°	311.1	229.6	164.6	194.9	225.1	259.5	301.8	270.2	216.5	200.4
195.2	75°	166.0	139.9	138.5	169.4	195.9	230.6	274.6	251.6	203.5	211.7
135.1	77.5°	113.1	99.0	115.8	145.0	163.9	198.7	245.8	223.4	176.3	175.6
93.5	80°	78.4	70.1	94.2	116.9	126.8	167.0	214.5	191.8	143.7	134.0
57.7	82.5°	47.1	45.7	70.5	87.3	89.7	128.9	177.7	160.9	117.5	102.4
34.4	85°	25.8	27.2	45.0	51.2	52.2	90.1	139.2	124.4	90.4	76.0
12.4	87.5°	7.2	9.3	16.5	20.3	25.1	46.7	82.8	73.9	45.4	31.6
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

<u>180°</u>
847.2
909.5
949.0
960.3
954.1
939.7
919.8
886.1
849.3
825.9
806.7
785.4
761.7
726.9
681.9
624.9
559.9
494.9
444.4
410.7
378.8
354.4
322.1
294.2
268.1
247.5
231.3
218.9
209.7
197.6
218.6
161.9
128.2
103.1
76.6
31.6
0.0

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