

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: P848545

Luminaire Tested: **GLAN-SB5A-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848545
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-SB5A-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 350mA 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: 11163 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

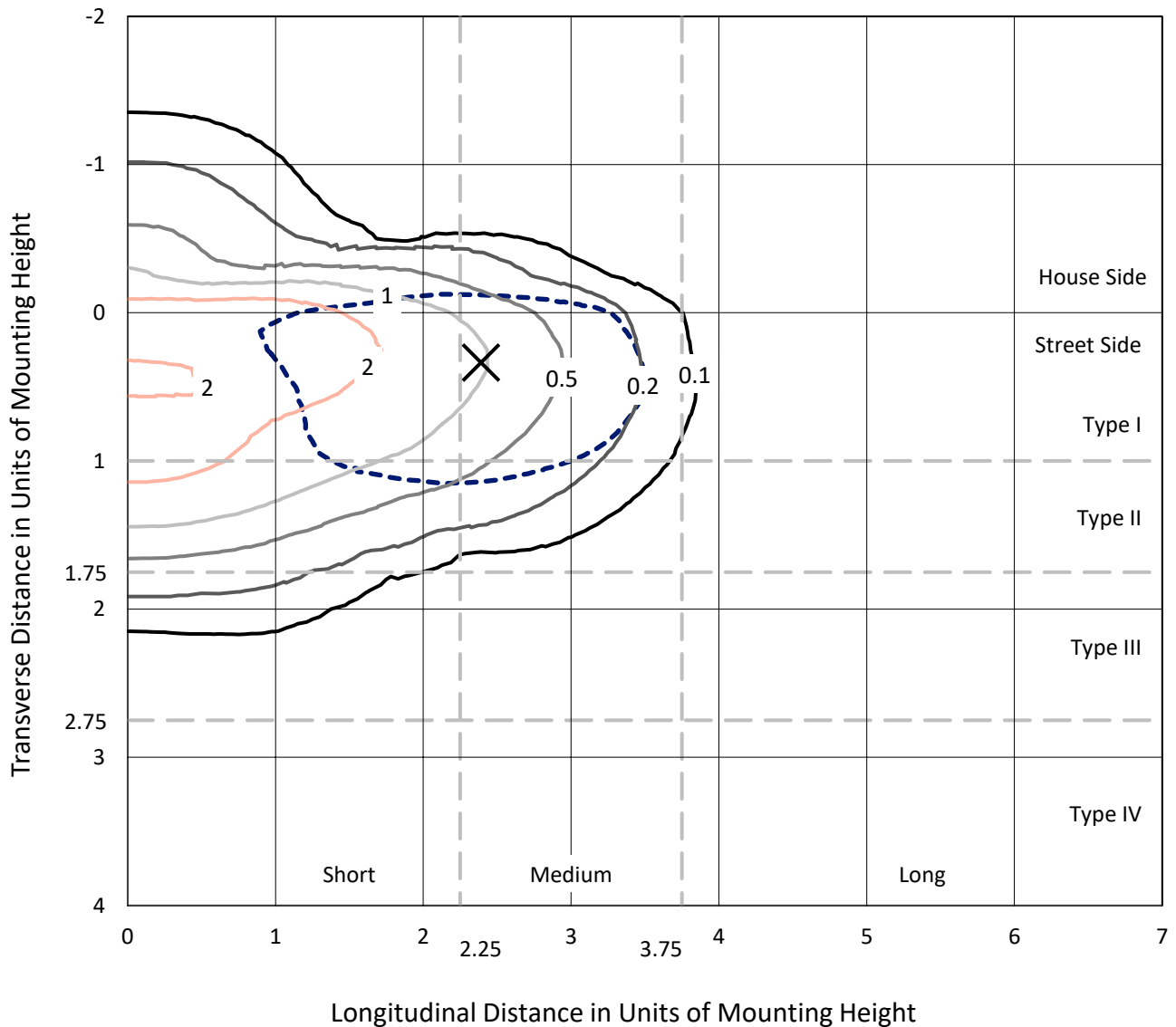
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

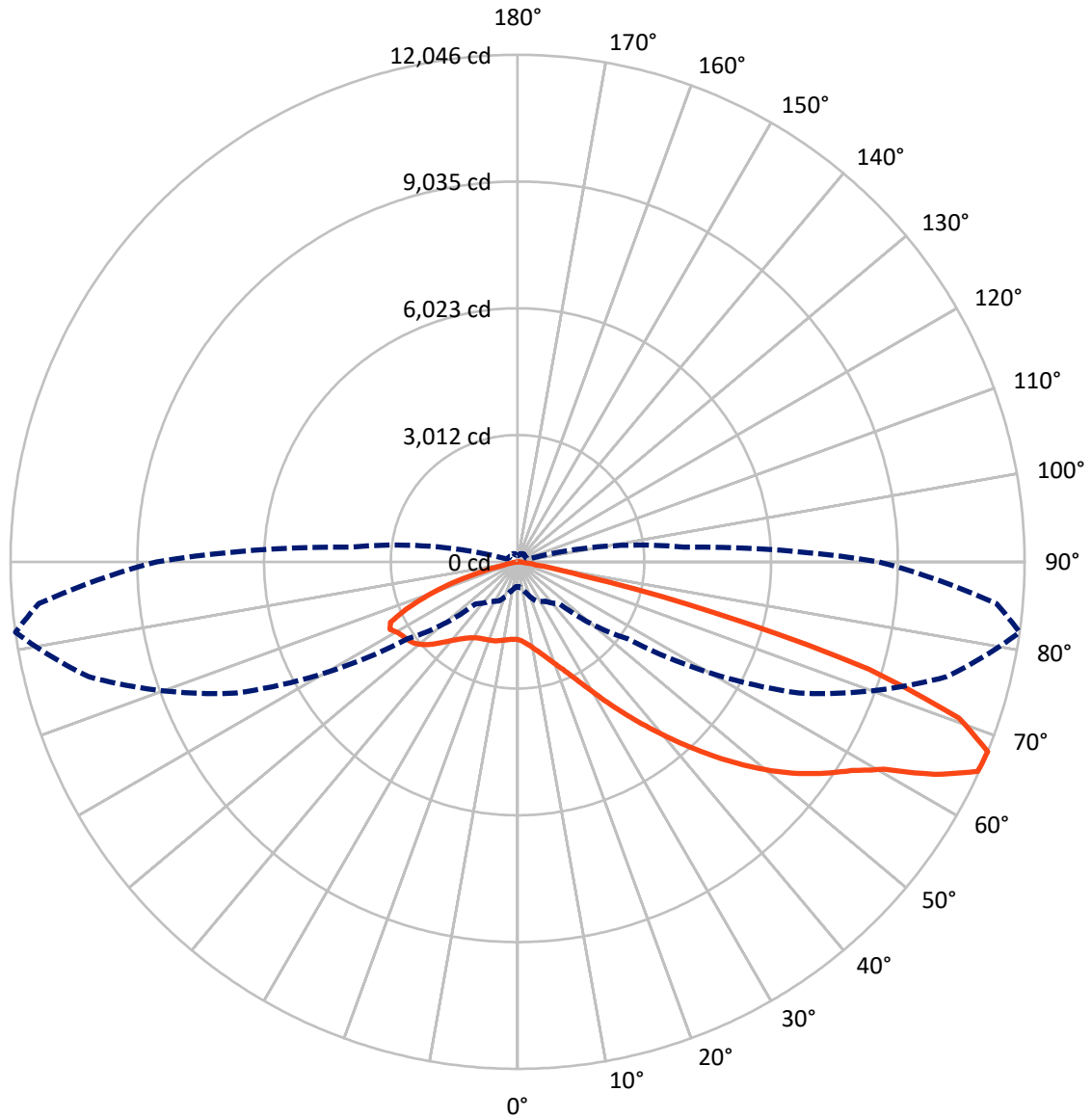
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	2022.1	0.0	2022.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	9140.9	0.0	9140.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	11163.0	0.0	11163.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.8	1.5
10°-20°	428.2	3.8
20°-30°	685.8	6.1
30°-40°	1212.6	10.9
40°-50°	2124.7	19.0
50°-60°	2833.7	25.4
60°-70°	2638.0	23.6
70°-80°	1012.5	9.1
80°-90°	62.9	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°	11163.0	100.0
0°-180°	11163.0	100.0

Coefficient of Utilization

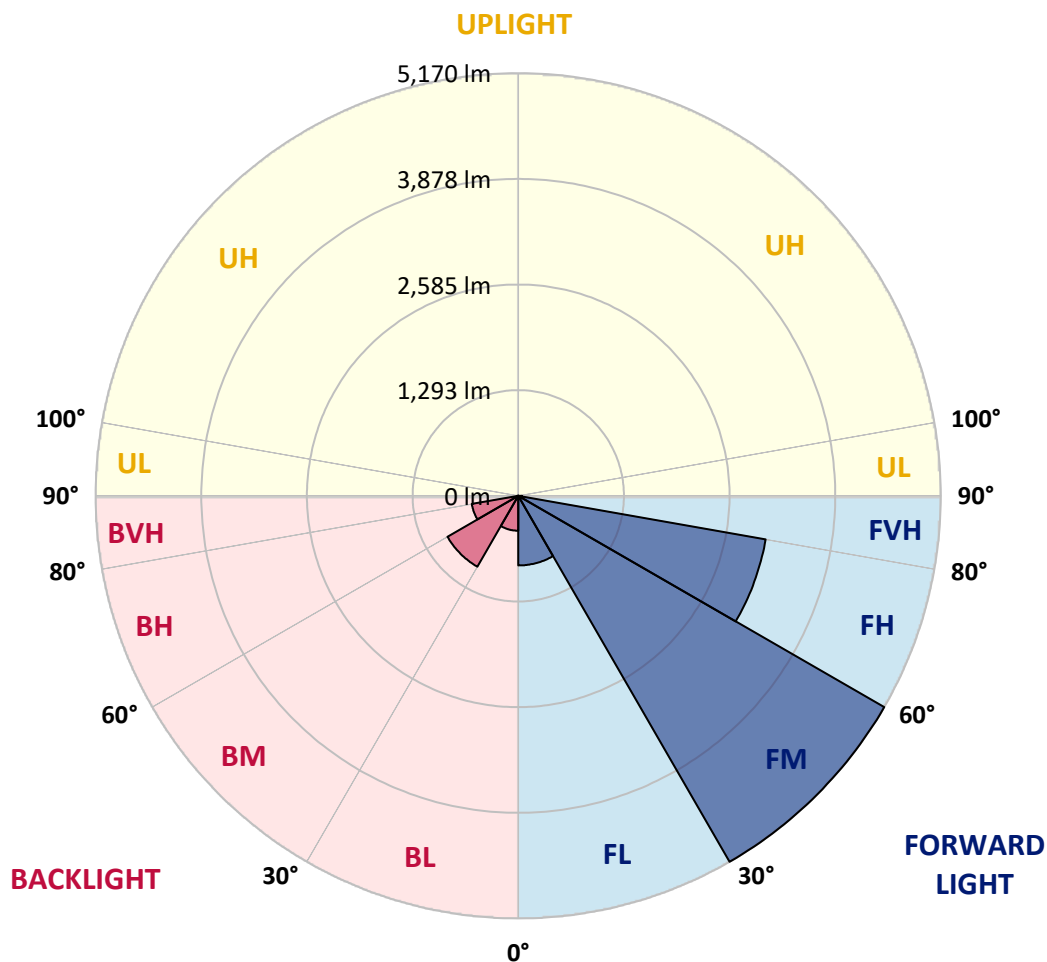


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	851.6	7.6			
FM (30°-60°)	5170.2	46.3			
FH (60°-80°)	3073.3	27.5			G2/5000
FVH (80°-90°)	45.7	0.4			G1/100
BL (0°-30°)	427.1	3.8	B1/500		
BM (30°-60°)	1000.7	9.0	B2/2500		
BH (60°-80°)	577.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	17.2	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°	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3
2.5°	1954.6	1965.9	1959.4	1956.2	1950.6	1942.6	1936.1	1916.0	1895.1	1881.5
5°	1994.0	2005.3	2004.4	2007.7	2011.7	2014.1	2012.5	1990.0	1960.2	1936.9
7.5°	1960.2	1973.1	1983.6	1999.6	2027.8	2057.5	2072.0	2067.1	2036.6	2004.4
10°	1864.6	1878.3	1903.2	1941.0	2000.4	2064.7	2118.6	2143.5	2124.2	2088.8
12.5°	1689.4	1703.1	1752.1	1834.1	1933.7	2045.4	2148.3	2215.0	2219.8	2184.5
15°	1492.5	1506.1	1558.4	1661.3	1813.2	1992.4	2164.4	2290.6	2333.2	2302.6
17.5°	1370.3	1382.4	1421.8	1504.5	1662.9	1886.3	2158.8	2370.9	2468.2	2444.1
20°	1333.4	1343.8	1362.3	1420.2	1552.0	1776.2	2121.8	2446.5	2613.7	2600.0
22.5°	1372.7	1382.4	1388.0	1413.7	1496.5	1703.9	2075.2	2523.6	2782.4	2784.0
25°	1463.6	1473.2	1466.8	1482.8	1519.0	1681.4	2057.5	2614.5	2994.6	3012.3
27.5°	1613.0	1613.8	1598.6	1597.8	1603.4	1715.1	2076.0	2711.7	3262.2	3295.2
30°	1912.8	1900.8	1842.1	1778.6	1749.7	1816.4	2127.4	2826.6	3578.1	3636.8
32.5°	2375.0	2357.3	2249.6	2097.7	1945.0	1979.5	2219.8	2957.6	3922.1	4028.2
35°	2876.5	2871.6	2759.1	2533.3	2266.5	2211.8	2370.1	3129.6	4297.4	4466.2
37.5°	3342.6	3340.2	3275.9	3009.9	2685.2	2535.7	2611.2	3354.7	4699.3	4943.6
40°	3768.6	3775.8	3711.5	3473.6	3146.5	2951.2	2939.2	3632.8	5146.1	5463.6
42.5°	4136.7	4144.7	4079.6	3903.6	3602.2	3410.9	3341.8	3973.5	5582.6	6022.2
45°	4386.6	4436.5	4426.8	4286.2	4070.0	3871.5	3825.6	4401.1	6080.0	6614.5
47.5°	4457.4	4503.2	4575.5	4594.8	4463.0	4267.7	4322.3	4916.3	6583.2	7207.7
50°	4283.0	4325.6	4475.8	4676.0	4767.6	4707.3	4805.4	5468.4	7098.3	7799.2
52.5°	3939.0	3982.4	4172.0	4488.7	4862.4	5052.1	5290.0	6012.5	7597.4	8359.4
55°	3441.5	3487.3	3730.8	4089.3	4681.6	5194.4	5694.3	6555.8	8054.8	8863.3
57.5°	2764.8	2798.5	3051.7	3553.2	4226.7	5052.9	5992.4	7149.0	8485.5	9358.4
60°	1801.9	1831.6	2125.8	2685.2	3472.8	4580.3	6051.9	7810.4	9057.8	10002.1
62.5°	1198.3	1218.4	1392.8	1803.5	2445.7	3672.9	5703.9	8338.5	9896.9	11122.5
65°	822.2	842.3	1016.7	1302.8	1580.1	2429.6	4703.3	8268.5	10657.2	12012.2
67.5°	586.7	603.6	751.5	1021.5	1143.7	1411.3	3188.3	7374.8	10547.9	12046.0
70°	420.3	430.0	552.1	795.7	909.0	847.9	1773.0	5640.4	9235.4	11123.3
72.5°	294.2	297.4	383.4	606.0	732.2	618.9	843.9	3760.5	6985.0	8730.7
75°	199.3	203.3	258.0	444.5	587.5	472.6	446.9	2016.5	4100.5	4832.7
77.5°	122.2	123.8	166.4	303.8	439.6	360.1	287.7	854.3	1586.5	1557.6
80°	69.1	69.1	106.1	188.9	299.8	232.3	201.7	363.3	502.3	441.2
82.5°	38.6	39.4	77.2	117.3	198.5	137.4	110.9	168.0	217.0	192.1
85°	16.1	17.7	47.4	55.5	94.8	68.3	45.0	70.7	80.4	71.5
87.5°	1.6	2.4	14.5	10.4	11.3	13.7	6.4	13.7	11.3	11.3
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°
1849.3	0°	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3	1849.3
1876.7	2.5°	1861.4	1849.3	1818.8	1783.4	1736.8	1714.3	1683.8	1662.9	1645.2	1646.8
1923.3	5°	1897.6	1867.0	1798.7	1713.5	1607.4	1531.9	1451.5	1396.0	1351.0	1341.4
1987.6	7.5°	1947.4	1899.2	1779.4	1625.9	1446.7	1310.8	1189.5	1111.5	1056.1	1038.4
2065.5	10°	2011.7	1941.8	1754.5	1515.8	1257.8	1085.0	954.8	893.7	855.9	843.1
2157.2	12.5°	2086.4	1990.8	1721.5	1381.6	1063.3	896.9	814.2	783.6	771.6	767.5
2269.7	15°	2180.5	2051.9	1671.7	1222.4	898.5	782.0	746.6	742.6	744.2	742.6
2404.7	17.5°	2292.2	2118.6	1590.5	1058.5	787.6	723.3	710.5	713.7	717.7	716.9
2555.8	20°	2414.3	2184.5	1486.9	913.0	712.1	681.5	674.3	677.5	680.7	679.1
2730.2	22.5°	2553.4	2255.2	1371.9	799.7	661.5	643.0	634.9	635.7	635.7	632.5
2951.2	25°	2719.7	2333.2	1251.4	719.3	622.9	608.4	598.8	595.5	590.7	581.1
3219.7	27.5°	2918.3	2415.9	1135.6	663.1	592.3	578.7	567.4	559.4	547.3	531.3
3541.9	30°	3141.7	2516.4	1037.6	627.7	568.2	554.6	541.7	529.6	512.0	491.9
3912.4	32.5°	3404.5	2624.1	966.1	604.4	546.5	532.1	516.8	502.3	483.0	462.9
4328.8	35°	3718.0	2754.3	924.3	588.3	529.6	510.4	493.5	477.4	462.9	445.3
4781.3	37.5°	4057.9	2892.5	911.4	580.3	518.4	488.7	469.4	458.1	456.5	446.1
5270.7	40°	4430.0	3056.5	921.0	575.5	506.3	467.8	446.9	444.5	448.5	430.0
5793.9	42.5°	4823.9	3251.0	937.1	569.8	489.5	446.9	426.8	426.8	423.6	397.8
6346.9	45°	5249.8	3475.2	953.2	556.2	469.4	426.0	410.7	405.1	391.4	366.5
6903.0	47.5°	5679.0	3703.5	965.3	531.3	445.3	408.3	394.6	381.8	361.7	339.2
7448.8	50°	6086.5	3908.4	952.4	494.3	417.9	391.4	376.9	359.3	337.6	322.3
7965.5	52.5°	6450.6	4086.0	897.7	450.9	389.0	373.7	360.9	342.4	324.7	308.6
8431.7	55°	6767.2	4229.9	801.3	409.9	363.3	358.5	345.6	322.3	298.2	284.5
8893.8	57.5°	7071.0	4339.2	680.7	376.1	340.0	341.6	322.3	301.4	278.9	264.4
9516.7	60°	7475.3	4485.5	558.6	344.8	315.1	319.9	299.0	283.7	255.6	237.1
10584.8	62.5°	8121.5	4712.9	443.6	306.2	286.1	287.7	278.9	260.4	226.6	204.9
11376.5	65°	8634.2	4629.4	349.6	264.4	253.2	255.6	255.6	235.5	199.3	174.4
11419.1	67.5°	8576.4	3963.9	278.9	223.4	221.8	223.4	229.1	212.2	176.8	156.7
10549.5	70°	7900.4	3152.9	223.4	185.7	192.9	188.9	204.9	193.7	159.1	139.0
8178.5	72.5°	6446.5	2271.3	170.4	153.5	147.9	154.3	184.9	174.4	132.6	110.1
4332.0	75°	3767.0	1212.0	127.0	121.4	106.9	128.6	164.0	148.7	101.3	81.2
1327.7	77.5°	1226.5	422.8	93.2	89.2	79.6	103.7	139.8	125.4	82.8	64.3
389.0	80°	328.7	127.8	63.5	58.7	51.4	77.2	110.9	99.7	59.5	41.8
167.2	82.5°	131.8	53.8	37.0	33.0	28.1	53.0	87.6	80.4	44.2	26.5
52.2	85°	42.6	17.7	13.7	10.4	12.9	33.0	52.2	54.7	31.3	13.7
8.0	87.5°	5.6	2.4	2.4	3.2	2.4	5.6	16.1	15.3	8.8	1.6
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

180°
1849.3
1630.7
1319.7
1020.7
833.4
765.1
741.8
715.3
678.3
630.9
579.5
529.6
490.3
463.7
443.6
445.3
430.8
397.8
365.7
338.4
319.9
307.0
282.9
262.8
234.7
203.3
172.0
153.5
136.6
107.7
78.8
61.9
41.0
26.5
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