

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: P848485

Luminaire Tested: **GLAN-SB5A-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848485
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-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 2700K, 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: 13193 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

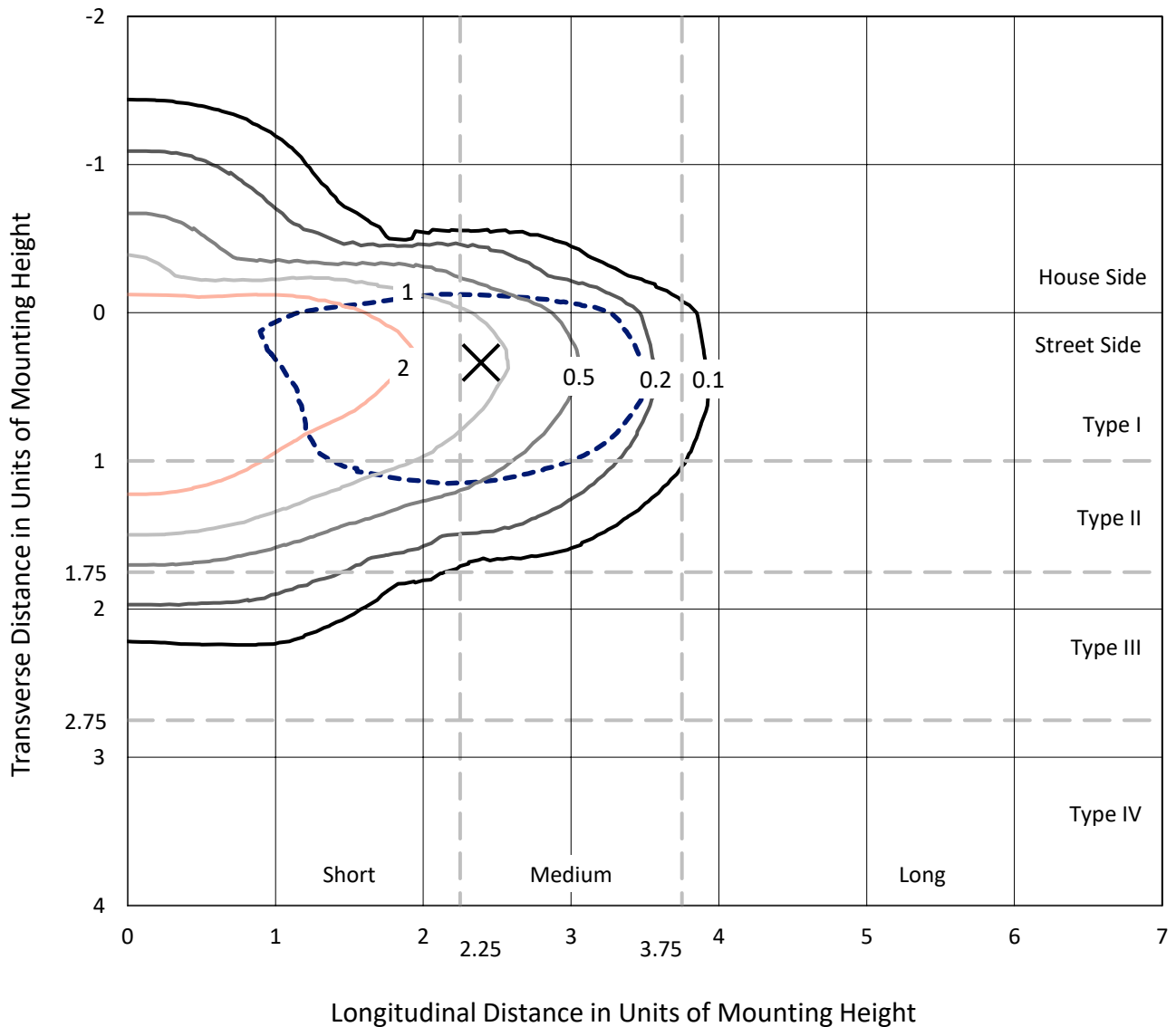
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

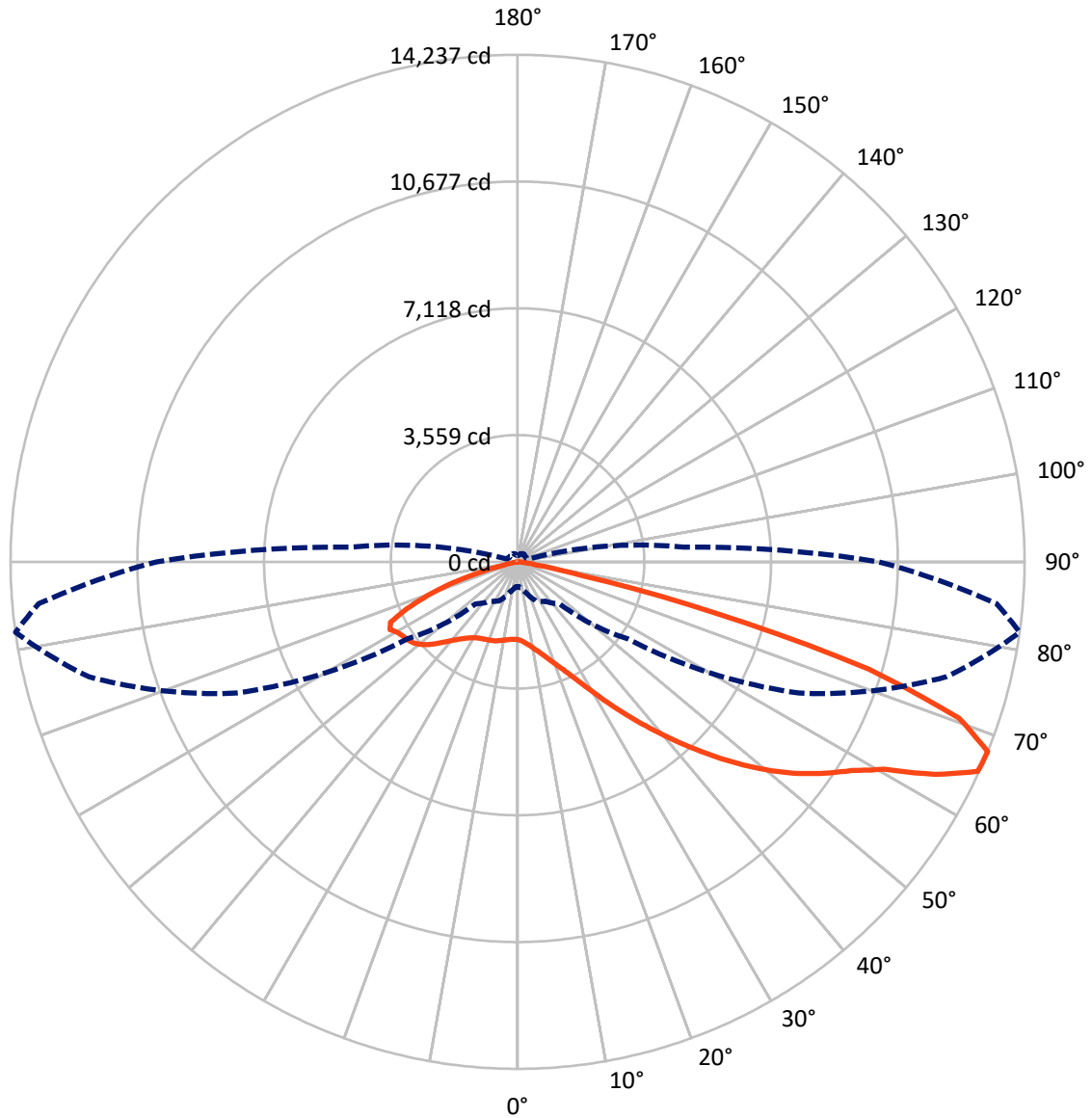
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	2389.8	0.0	2389.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10803.2	0.0	10803.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	13193.0	0.0	13193.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.7	1.5
10°-20°	506.0	3.8
20°-30°	810.5	6.1
30°-40°	1433.1	10.9
40°-50°	2511.0	19.0
50°-60°	3349.0	25.4
60°-70°	3117.7	23.6
70°-80°	1196.6	9.1
80°-90°	74.3	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°	13193.0	100.0
0°-180°	13193.0	100.0

Coefficient of Utilization

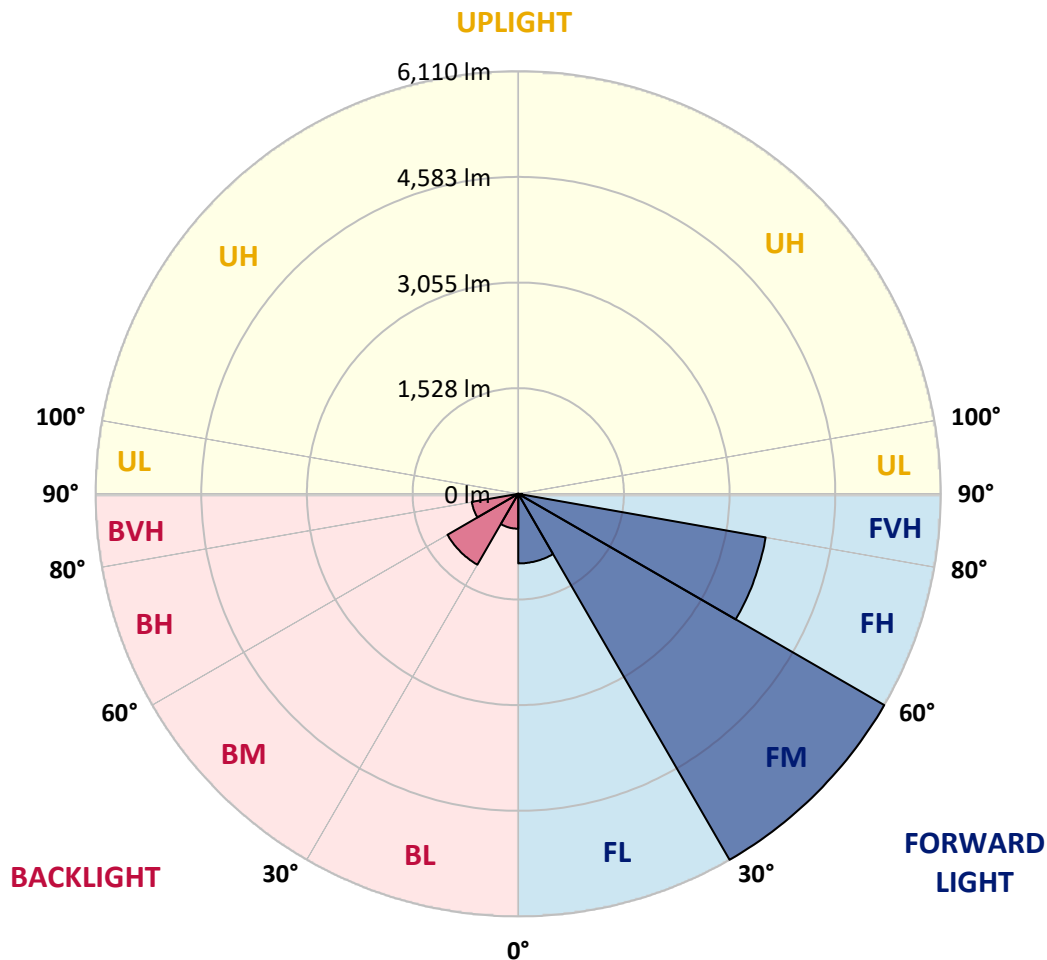


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1006.5	7.6			
FM (30°-60°)	6110.5	46.3			
FH (60°-80°)	3632.2	27.5			G2/5000
FVH (80°-90°)	54.0	0.4			G1/100
BL (0°-30°)	504.7	3.8	B2/1000		
BM (30°-60°)	1182.7	9.0	B2/2500		
BH (60°-80°)	682.1	5.2	B2/1000		G2/1000
BVH (80°-90°)	20.3	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°	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6
2.5°	2310.1	2323.4	2315.8	2312.0	2305.3	2295.8	2288.2	2264.5	2239.8	2223.6
5°	2356.6	2369.9	2369.0	2372.8	2377.5	2380.4	2378.5	2351.9	2316.7	2289.2
7.5°	2316.7	2331.9	2344.3	2363.3	2396.5	2431.6	2448.7	2443.0	2407.0	2369.0
10°	2203.7	2219.8	2249.3	2293.9	2364.2	2440.2	2503.8	2533.3	2510.5	2468.7
12.5°	1996.6	2012.8	2070.7	2167.6	2285.4	2417.4	2539.0	2617.8	2623.5	2581.7
15°	1763.9	1780.0	1841.8	1963.4	2142.9	2354.7	2558.0	2707.1	2757.5	2721.4
17.5°	1619.5	1633.8	1680.3	1778.1	1965.3	2229.3	2551.3	2802.1	2917.0	2888.5
20°	1575.8	1588.2	1610.0	1678.4	1834.2	2099.2	2507.6	2891.4	3089.0	3072.8
22.5°	1622.4	1633.8	1640.4	1670.8	1768.6	2013.7	2452.5	2982.6	3288.4	3290.3
25°	1729.7	1741.1	1733.5	1752.5	1795.2	1987.1	2431.6	3089.9	3539.2	3560.1
27.5°	1906.4	1907.3	1889.3	1888.3	1895.0	2027.0	2453.5	3204.8	3855.5	3894.4
30°	2260.7	2246.4	2177.1	2102.0	2067.9	2146.7	2514.3	3340.7	4228.8	4298.1
32.5°	2806.8	2785.9	2658.7	2479.1	2298.7	2339.5	2623.5	3495.5	4635.3	4760.7
35°	3399.6	3393.9	3260.9	2994.0	2678.6	2614.0	2801.1	3698.8	5078.9	5278.4
37.5°	3950.5	3947.6	3871.6	3557.2	3173.5	2996.8	3086.1	3964.7	5553.8	5842.6
40°	4453.9	4462.5	4386.5	4105.3	3718.7	3487.9	3473.6	4293.4	6082.0	6457.2
42.5°	4888.9	4898.4	4821.5	4613.5	4257.3	4031.2	3949.5	4696.1	6597.7	7117.3
45°	5184.3	5243.2	5231.8	5065.6	4810.1	4575.5	4521.3	5201.4	7185.7	7817.4
47.5°	5267.9	5322.1	5407.6	5430.4	5274.6	5043.8	5108.4	5810.3	7780.3	8518.4
50°	5061.8	5112.2	5289.8	5526.3	5634.6	5563.3	5679.2	6462.9	8389.2	9217.5
52.5°	4655.3	4706.6	4930.7	5305.0	5746.7	5970.8	6252.0	7105.9	8979.1	9879.5
55°	4067.3	4121.5	4409.3	4832.9	5532.9	6139.0	6729.8	7748.0	9519.5	10475.1
57.5°	3267.5	3307.4	3606.6	4199.3	4995.3	5971.8	7082.2	8449.0	10028.6	11060.2
60°	2129.6	2164.7	2512.4	3173.5	4104.4	5413.3	7152.5	9230.8	10705.0	11821.0
62.5°	1416.2	1440.0	1646.1	2131.5	2890.4	4340.9	6741.2	9854.8	11696.6	13145.1
65°	971.7	995.5	1201.6	1539.7	1867.4	2871.4	5558.6	9772.2	12595.2	14196.6
67.5°	693.4	713.3	888.1	1207.3	1351.7	1668.0	3768.1	8715.9	12466.0	14236.5
70°	496.8	508.2	652.6	940.4	1074.3	1002.1	2095.4	6666.1	10914.9	13146.1
72.5°	347.6	351.4	453.1	716.2	865.3	731.4	997.4	4444.4	8255.3	10318.4
75°	235.6	240.3	304.9	525.3	694.3	558.5	528.1	2383.2	4846.2	5711.5
77.5°	144.4	146.3	196.6	359.0	519.6	425.5	340.1	1009.7	1875.0	1840.8
80°	81.7	81.7	125.4	223.2	354.3	274.5	238.4	429.3	593.7	521.5
82.5°	45.6	46.5	91.2	138.7	234.6	162.4	131.1	198.5	256.5	227.0
85°	19.0	20.9	56.0	65.5	112.1	80.7	53.2	83.6	95.0	84.5
87.5°	1.9	2.8	17.1	12.3	13.3	16.1	7.6	16.1	13.3	13.3
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°
2185.6	0°	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6	2185.6
2217.9	2.5°	2199.9	2185.6	2149.5	2107.7	2052.7	2026.1	1990.0	1965.3	1944.4	1946.3
2273.0	5°	2242.6	2206.5	2125.8	2025.1	1899.7	1810.4	1715.5	1649.9	1596.7	1585.3
2349.0	7.5°	2301.5	2244.5	2103.0	1921.6	1709.8	1549.2	1405.8	1313.7	1248.1	1227.2
2441.1	10°	2377.5	2294.9	2073.5	1791.4	1486.5	1282.3	1128.4	1056.2	1011.6	996.4
2549.4	12.5°	2465.8	2352.8	2034.6	1632.8	1256.7	1060.0	962.2	926.1	911.9	907.1
2682.4	15°	2577.0	2425.0	1975.7	1444.7	1061.9	924.2	882.4	877.7	879.6	877.7
2842.0	17.5°	2709.0	2503.8	1879.8	1251.0	930.9	854.9	839.7	843.5	848.2	847.3
3020.6	20°	2853.4	2581.7	1757.2	1079.0	841.6	805.5	796.9	800.7	804.5	802.6
3226.7	22.5°	3017.7	2665.3	1621.4	945.1	781.7	759.9	750.4	751.3	751.3	747.5
3487.9	25°	3214.3	2757.5	1478.9	850.1	736.1	719.0	707.6	703.8	698.1	686.8
3805.1	27.5°	3449.0	2855.3	1342.2	783.6	700.0	683.9	670.6	661.1	646.9	627.9
4186.0	30°	3713.0	2974.0	1226.3	741.8	671.6	655.4	640.2	626.0	605.1	581.3
4623.9	32.5°	4023.6	3101.3	1141.7	714.3	645.9	628.8	610.8	593.7	570.9	547.1
5116.0	35°	4394.1	3255.2	1092.3	695.3	626.0	603.2	583.2	564.2	547.1	526.2
5650.7	37.5°	4795.9	3418.6	1077.1	685.8	612.7	577.5	554.7	541.4	539.5	527.2
6229.2	40°	5235.6	3612.3	1088.5	680.1	598.4	552.8	528.1	525.3	530.0	508.2
6847.6	42.5°	5701.1	3842.2	1107.5	673.5	578.5	528.1	504.4	504.4	500.6	470.2
7501.1	45°	6204.5	4107.2	1126.5	657.3	554.7	503.4	485.4	478.7	462.6	433.1
8158.4	47.5°	6711.7	4377.0	1140.8	627.9	526.2	482.5	466.4	451.2	427.4	400.8
8803.3	50°	7193.3	4619.2	1125.6	584.2	493.9	462.6	445.5	424.6	398.9	380.9
9414.1	52.5°	7623.6	4829.1	1061.0	532.9	459.7	441.7	426.5	404.6	383.7	364.7
9965.0	55°	7997.8	4999.1	947.0	484.4	429.3	423.6	408.4	380.9	352.4	336.3
10511.2	57.5°	8356.9	5128.3	804.5	444.5	401.8	403.7	380.9	356.2	329.6	312.5
11247.3	60°	8834.7	5301.2	660.2	407.5	372.3	378.0	353.3	335.3	302.1	280.2
12509.7	62.5°	9598.4	5570.0	524.3	361.9	338.2	340.1	329.6	307.8	267.9	242.2
13445.3	65°	10204.4	5471.2	413.2	312.5	299.2	302.1	302.1	278.3	235.6	206.1
13495.6	67.5°	10136.0	4684.7	329.6	264.1	262.2	264.1	270.7	250.8	209.0	185.2
12467.9	70°	9337.1	3726.3	264.1	219.4	228.0	223.2	242.2	228.9	188.1	164.3
9665.8	72.5°	7618.8	2684.3	201.4	181.4	174.8	182.4	218.5	206.1	156.7	130.1
5119.8	75°	4452.0	1432.4	150.1	143.4	126.3	152.0	193.8	175.7	119.7	95.9
1569.2	77.5°	1449.5	499.6	110.2	105.4	94.0	122.5	165.3	148.2	97.8	76.0
459.7	80°	388.5	151.0	75.0	69.3	60.8	91.2	131.1	117.8	70.3	49.4
197.6	82.5°	155.8	63.6	43.7	38.9	33.2	62.7	103.5	95.0	52.2	31.3
61.7	85°	50.3	20.9	16.1	12.3	15.2	38.9	61.7	64.6	37.0	16.1
9.5	87.5°	6.6	2.8	2.8	3.8	2.8	6.6	19.0	18.0	10.4	1.9
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°
2185.6
1927.3
1559.7
1206.3
985.0
904.3
876.7
845.4
801.7
745.6
684.9
626.0
579.4
548.1
524.3
526.2
509.1
470.2
432.2
399.9
378.0
362.8
334.4
310.6
277.4
240.3
203.3
181.4
161.5
127.3
93.1
73.1
48.4
31.3
12.3
0.0
0.0

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