

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: P847465

Luminaire Tested: **GLAN-SB3C-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847465
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-SB3C-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 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: 13082 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

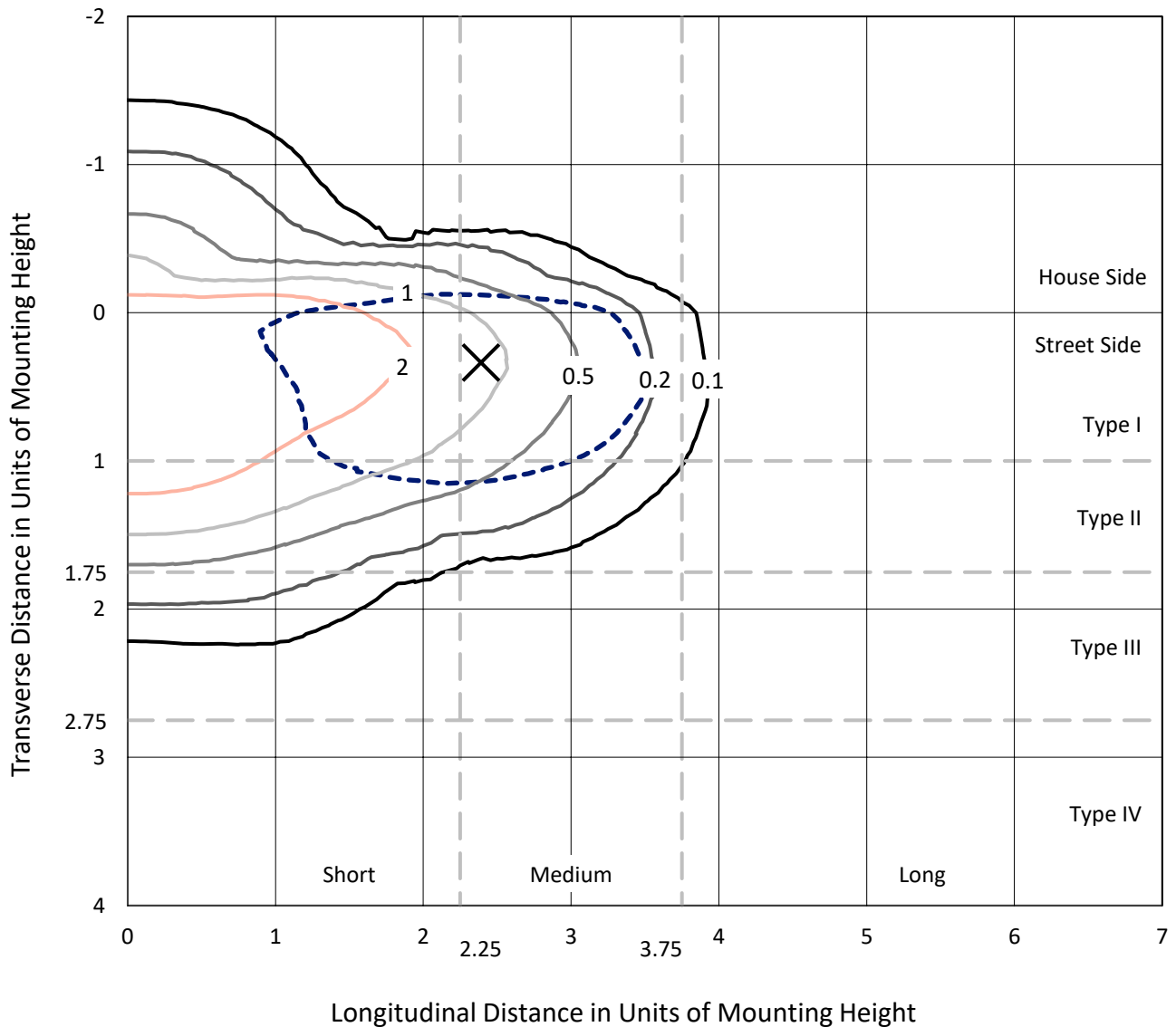
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

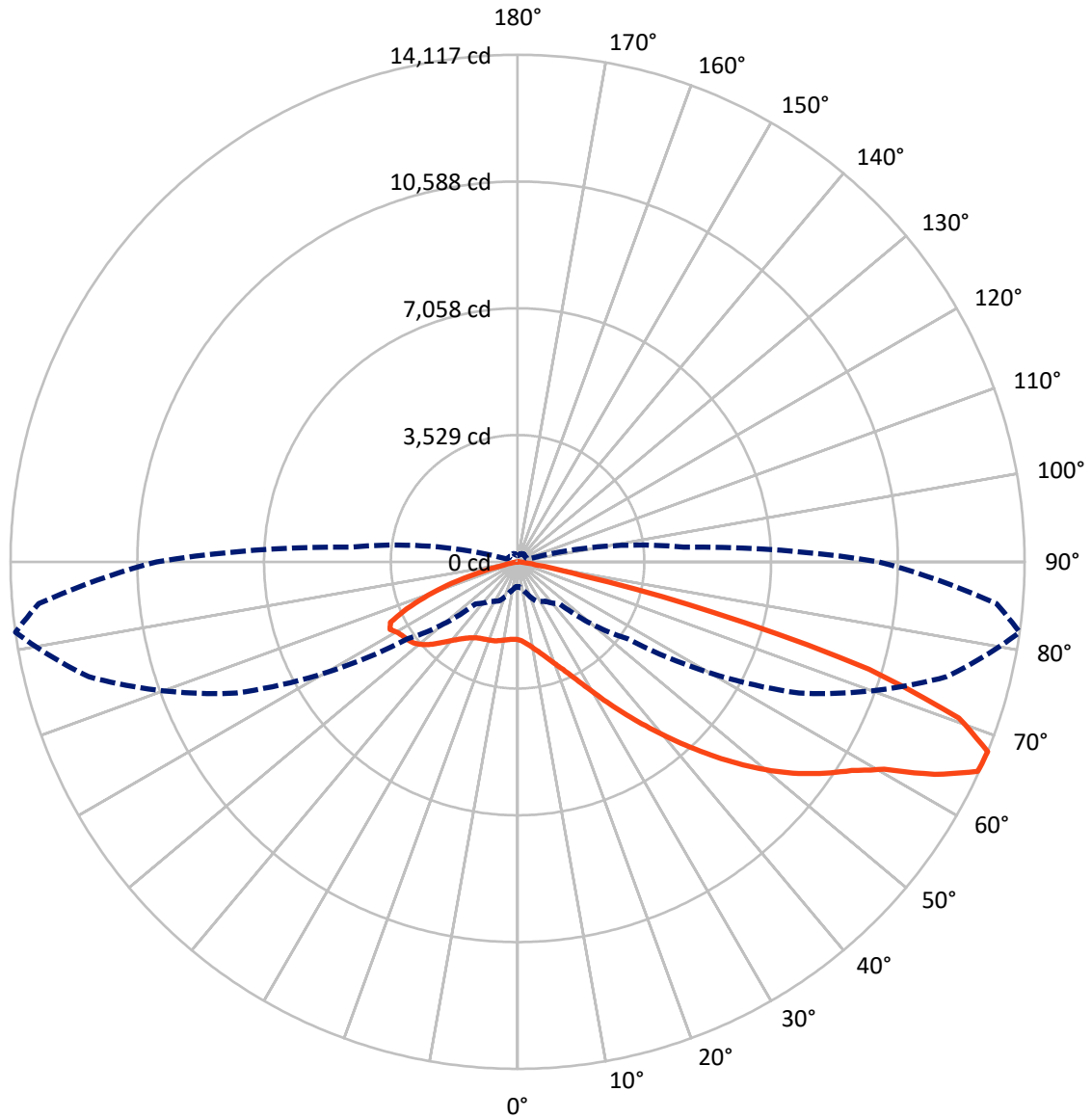
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	2369.7	0.0	2369.7
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	10712.3	0.0	10712.3
	% Fixture	81.9	0.0	81.9
Total	Lumens	13082.0	0.0	13082.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.1	1.5
10°-20°	501.8	3.8
20°-30°	803.6	6.1
30°-40°	1421.1	10.9
40°-50°	2489.9	19.0
50°-60°	3320.8	25.4
60°-70°	3091.5	23.6
70°-80°	1186.5	9.1
80°-90°	73.7	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°	13082.0	100.0
0°-180°	13082.0	100.0

Coefficient of Utilization

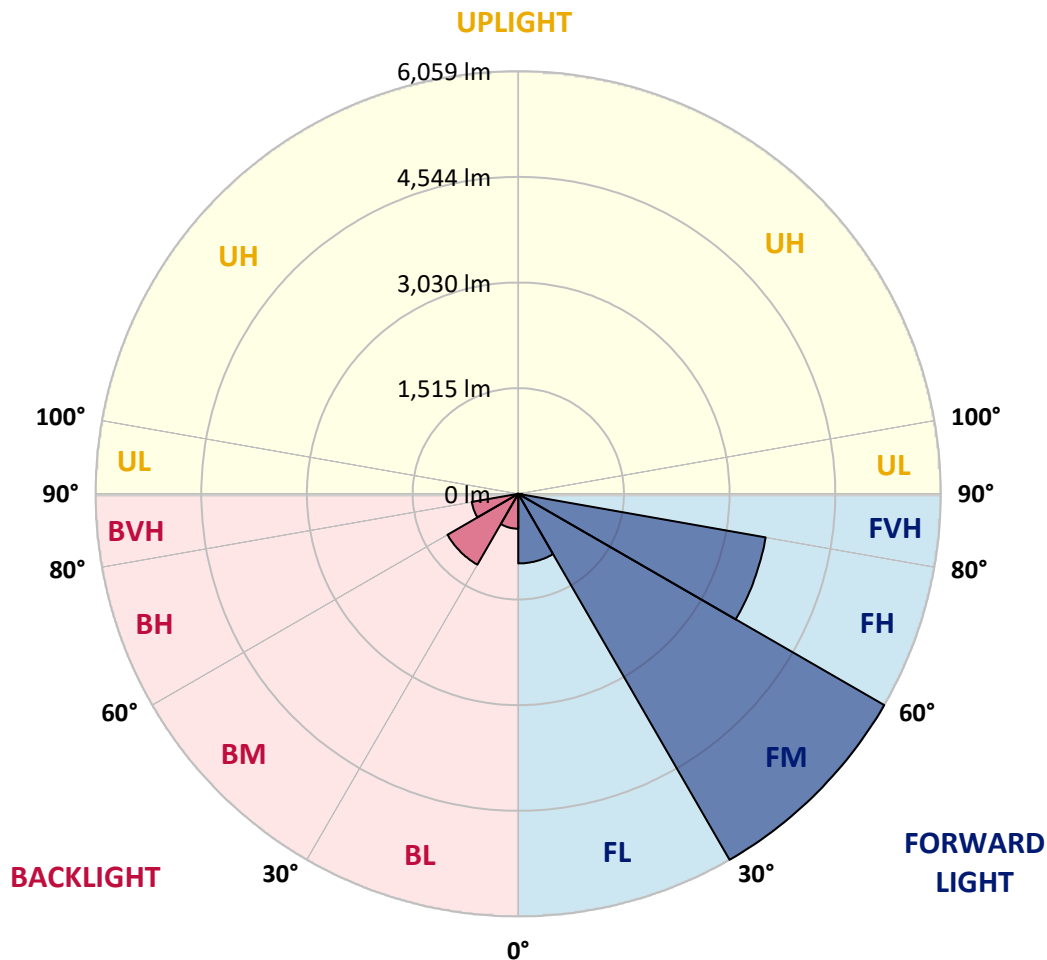


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	998.0	7.6			
FM (30°-60°)	6059.0	46.3			
FH (60°-80°)	3601.7	27.5			G2/5000
FVH (80°-90°)	53.6	0.4			G1/100
BL (0°-30°)	500.5	3.8	B2/1000		
BM (30°-60°)	1172.8	9.0	B2/2500		
BH (60°-80°)	676.3	5.2	B2/1000		G2/1000
BVH (80°-90°)	20.1	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°	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2
2.5°	2290.6	2303.8	2296.3	2292.5	2285.9	2276.5	2269.0	2245.4	2220.9	2204.9
5°	2336.8	2350.0	2349.0	2352.8	2357.5	2360.3	2358.4	2332.1	2297.2	2269.9
7.5°	2297.2	2312.3	2324.5	2343.4	2376.3	2411.2	2428.1	2422.5	2386.7	2349.0
10°	2185.1	2201.2	2230.4	2274.6	2344.3	2419.7	2482.8	2512.0	2489.4	2447.9
12.5°	1979.8	1995.8	2053.3	2149.3	2266.1	2397.1	2517.6	2595.8	2601.4	2560.0
15°	1749.1	1765.1	1826.3	1946.8	2124.9	2334.9	2536.5	2684.3	2734.3	2698.5
17.5°	1605.9	1620.0	1666.2	1763.2	1948.7	2210.6	2529.9	2778.5	2892.5	2864.2
20°	1562.6	1574.8	1596.5	1664.3	1818.8	2081.5	2486.5	2867.1	3063.0	3047.0
22.5°	1608.7	1620.0	1626.6	1656.8	1753.8	1996.8	2431.9	2957.5	3260.8	3262.6
25°	1715.1	1726.4	1718.9	1737.8	1780.1	1970.4	2411.2	3063.9	3509.4	3530.1
27.5°	1890.3	1891.3	1873.4	1872.4	1879.0	2010.0	2432.9	3177.9	3823.1	3861.7
30°	2241.7	2227.5	2158.8	2084.4	2050.5	2128.6	2493.1	3312.6	4193.2	4262.0
32.5°	2783.2	2762.5	2636.3	2458.3	2279.3	2319.8	2601.4	3466.1	4596.3	4720.7
35°	3371.0	3365.3	3233.4	2968.8	2656.1	2592.0	2777.6	3667.6	5036.2	5234.0
37.5°	3917.2	3914.4	3839.1	3527.3	3146.8	2971.6	3060.1	3931.4	5507.1	5793.4
40°	4416.4	4424.9	4349.6	4070.8	3687.4	3458.5	3444.4	4257.3	6030.8	6402.8
42.5°	4847.8	4857.2	4780.9	4574.7	4221.5	3997.3	3916.3	4656.6	6542.2	7057.4
45°	5140.7	5199.1	5187.8	5023.0	4769.6	4537.0	4483.3	5157.7	7125.3	7751.6
47.5°	5223.6	5277.3	5362.1	5384.7	5230.2	5001.3	5065.4	5761.4	7714.9	8446.7
50°	5019.2	5069.1	5245.3	5479.8	5587.2	5516.5	5631.4	6408.5	8318.6	9139.9
52.5°	4616.1	4667.0	4889.3	5260.3	5698.3	5920.6	6199.4	7046.1	8903.5	9796.4
55°	4033.1	4086.8	4372.2	4792.2	5486.4	6087.3	6673.2	7682.8	9439.4	10387.0
57.5°	3240.0	3279.6	3576.3	4164.0	4953.3	5921.5	7022.6	8377.9	9944.3	10967.1
60°	2111.7	2146.5	2491.2	3146.8	4069.8	5367.7	7092.3	9153.1	10614.9	11721.6
62.5°	1404.3	1427.9	1632.3	2113.6	2866.1	4304.3	6684.5	9771.9	11598.2	13034.5
65°	963.5	987.1	1191.5	1526.8	1851.7	2847.3	5511.8	9690.0	12489.2	14077.2
67.5°	687.6	707.3	880.6	1197.1	1340.3	1653.9	3736.4	8642.6	12361.1	14116.8
70°	492.6	503.9	647.1	932.5	1065.3	993.7	2077.8	6610.0	10823.0	13035.5
72.5°	344.7	348.5	449.3	710.2	858.0	725.2	989.0	4407.0	8185.8	10231.5
75°	233.6	238.3	302.3	520.9	688.5	553.8	523.7	2363.2	4805.4	5663.5
77.5°	143.2	145.0	195.0	356.0	515.2	422.0	337.2	1001.2	1859.3	1825.3
80°	81.0	81.0	124.3	221.3	351.3	272.2	236.4	425.7	588.7	517.1
82.5°	45.2	46.2	90.4	137.5	232.6	161.1	130.0	196.9	254.3	225.1
85°	18.8	20.7	55.6	65.0	111.1	80.1	52.7	82.9	94.2	83.8
87.5°	1.9	2.8	17.0	12.2	13.2	16.0	7.5	16.0	13.2	13.2
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°
2167.2	0°	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2	2167.2
2199.3	2.5°	2181.4	2167.2	2131.5	2090.0	2035.4	2009.0	1973.2	1948.7	1928.0	1929.9
2253.9	5°	2223.8	2188.0	2107.9	2008.1	1883.7	1795.2	1701.0	1636.0	1583.3	1572.0
2329.2	7.5°	2282.2	2225.6	2085.3	1905.4	1695.4	1536.2	1394.0	1302.6	1237.6	1216.9
2420.6	10°	2357.5	2275.6	2056.1	1776.4	1474.0	1271.5	1118.9	1047.4	1003.1	988.0
2528.0	12.5°	2445.1	2333.0	2017.5	1619.1	1246.1	1051.1	954.1	918.3	904.2	899.5
2659.8	15°	2555.3	2404.6	1959.1	1432.6	1053.0	916.4	875.0	870.3	872.2	870.3
2818.1	17.5°	2686.2	2482.8	1864.0	1240.4	923.0	847.7	832.6	836.4	841.1	840.1
2995.1	20°	2829.4	2560.0	1742.5	1070.0	834.5	798.7	790.2	794.0	797.8	795.9
3199.5	22.5°	2992.3	2642.9	1607.8	937.2	775.2	753.5	744.1	745.0	745.0	741.3
3458.5	25°	3187.3	2734.3	1466.5	843.0	729.9	713.0	701.7	697.9	692.3	681.0
3773.1	27.5°	3419.9	2831.3	1330.9	777.0	694.2	678.1	665.0	655.5	641.4	622.6
4150.8	30°	3681.8	2949.0	1216.0	735.6	665.9	649.9	634.8	620.7	600.0	576.4
4585.0	32.5°	3989.8	3075.2	1132.1	708.3	640.5	623.5	605.6	588.7	566.1	542.5
5072.9	35°	4357.1	3227.8	1083.2	689.4	620.7	598.1	578.3	559.5	542.5	521.8
5603.2	37.5°	4755.5	3389.8	1068.1	680.0	607.5	572.7	550.1	536.9	535.0	522.7
6176.8	40°	5191.6	3581.9	1079.4	674.4	593.4	548.2	523.7	520.9	525.6	503.9
6789.9	42.5°	5653.1	3809.9	1098.2	667.8	573.6	523.7	500.1	500.1	496.4	466.2
7438.0	45°	6152.3	4072.6	1117.1	651.8	550.1	499.2	481.3	474.7	458.7	429.5
8089.7	47.5°	6655.3	4340.1	1131.2	622.6	521.8	478.5	462.5	447.4	423.8	397.5
8729.3	50°	7132.8	4580.3	1116.1	579.3	489.8	458.7	441.7	421.0	395.6	377.7
9334.9	52.5°	7559.5	4788.5	1052.1	528.4	455.9	438.0	422.9	401.2	380.5	361.7
9881.2	55°	7930.6	4957.1	939.0	480.4	425.7	420.1	405.0	377.7	349.4	333.4
10422.7	57.5°	8286.6	5085.2	797.8	440.8	398.4	400.3	377.7	353.2	326.8	309.9
11152.7	60°	8760.3	5256.6	654.6	404.1	369.2	374.9	350.4	332.5	299.5	277.9
12404.4	62.5°	9517.6	5523.1	519.9	358.9	335.3	337.2	326.8	305.2	265.6	240.2
13332.2	65°	10118.5	5425.2	409.7	309.9	296.7	299.5	299.5	276.0	233.6	204.4
13382.1	67.5°	10050.7	4645.3	326.8	261.8	260.0	261.8	268.4	248.7	207.2	183.7
12363.0	70°	9258.6	3695.0	261.8	217.6	226.0	221.3	240.2	227.0	186.5	162.9
9584.5	72.5°	7554.7	2661.7	199.7	179.9	173.3	180.8	216.6	204.4	155.4	129.0
5076.7	75°	4414.5	1420.3	148.8	142.2	125.3	150.7	192.1	174.2	118.7	95.1
1556.0	77.5°	1437.3	495.4	109.3	104.5	93.2	121.5	163.9	146.9	97.0	75.3
455.9	80°	385.2	149.8	74.4	68.8	60.3	90.4	130.0	116.8	69.7	49.0
195.9	82.5°	154.5	63.1	43.3	38.6	33.0	62.2	102.7	94.2	51.8	31.1
61.2	85°	49.9	20.7	16.0	12.2	15.1	38.6	61.2	64.0	36.7	16.0
9.4	87.5°	6.6	2.8	2.8	3.8	2.8	6.6	18.8	17.9	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°
2167.2
1911.1
1546.6
1196.2
976.7
896.7
869.3
838.3
794.9
739.4
679.1
620.7
574.5
543.5
519.9
521.8
504.8
466.2
428.6
396.5
374.9
359.8
331.5
308.0
275.0
238.3
201.6
179.9
160.1
126.2
92.3
72.5
48.0
31.1
12.2
0.0
0.0

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