

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: P847985

Luminaire Tested: **GLAN-SB4B-830-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847985
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-SB4B-830-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3000K, 450mA 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: 14150 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

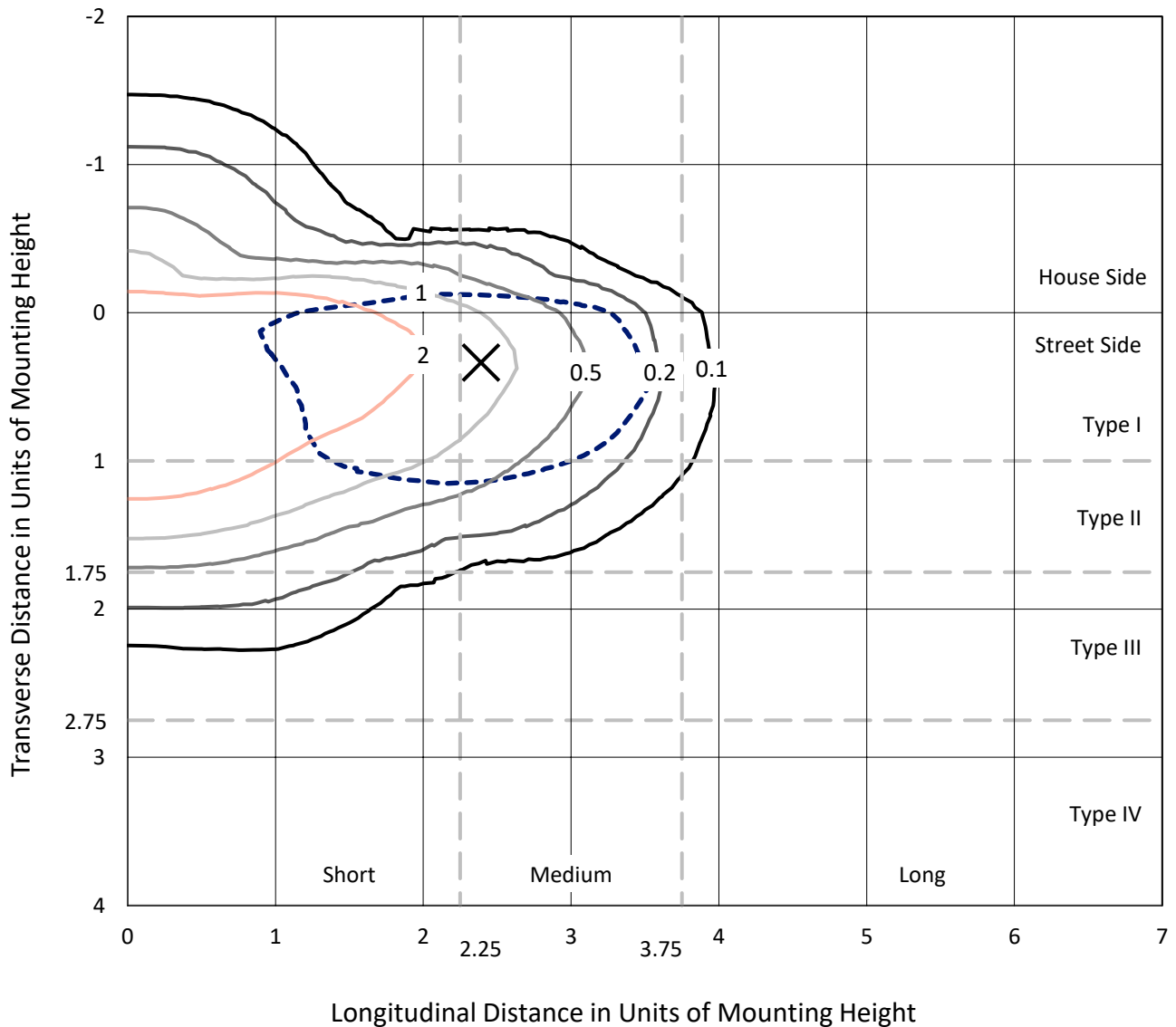
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

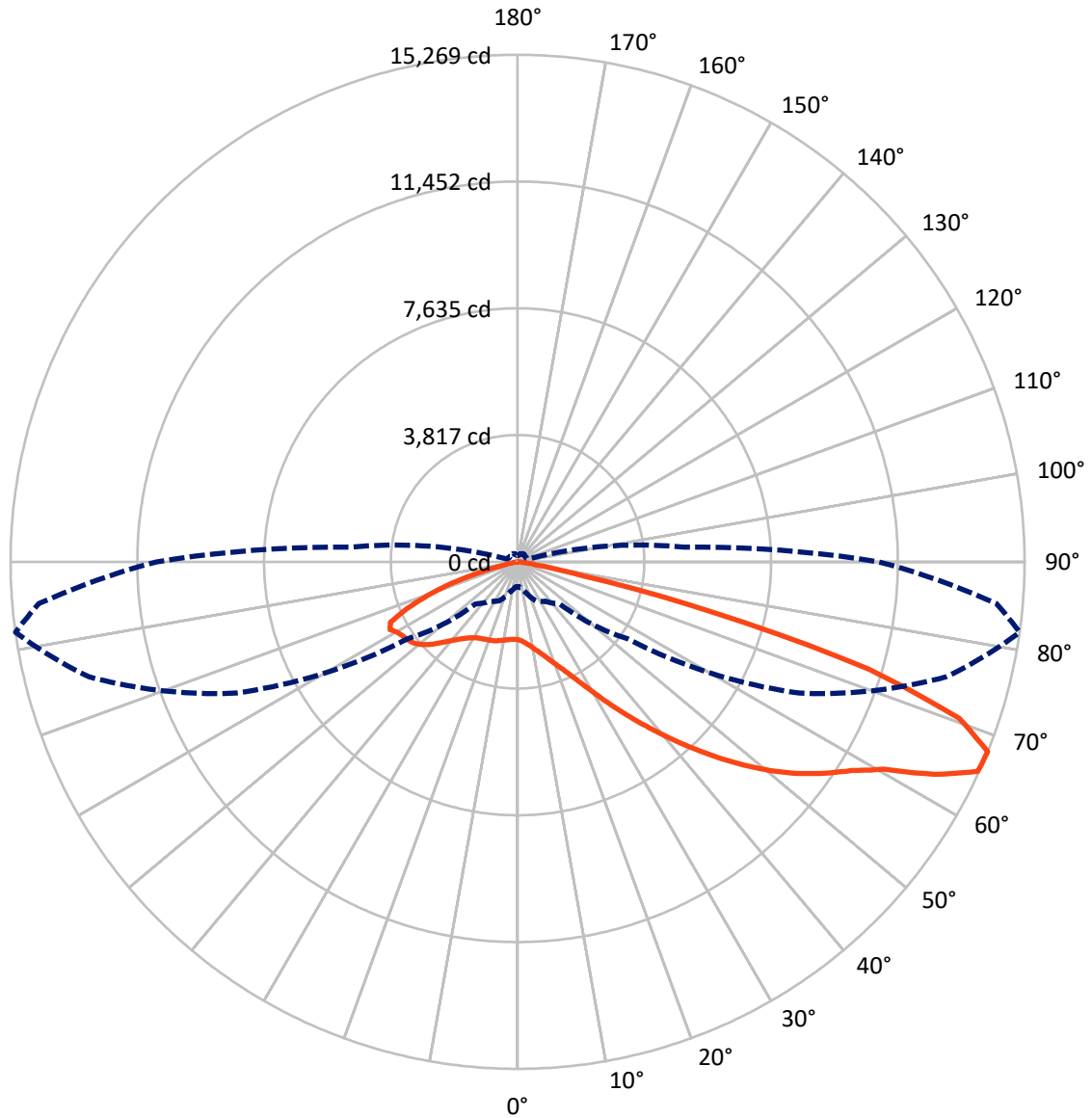
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 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	2563.2	0.0	2563.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11586.8	0.0	11586.8
	% Fixture	81.9	0.0	81.9
Total	Lumens	14150.0	0.0	14150.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	1.5
10°-20°	542.7	3.8
20°-30°	869.3	6.1
30°-40°	1537.1	10.9
40°-50°	2693.2	19.0
50°-60°	3591.9	25.4
60°-70°	3343.9	23.6
70°-80°	1283.4	9.1
80°-90°	79.7	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°	14150.0	100.0
0°-180°	14150.0	100.0

Coefficient of Utilization

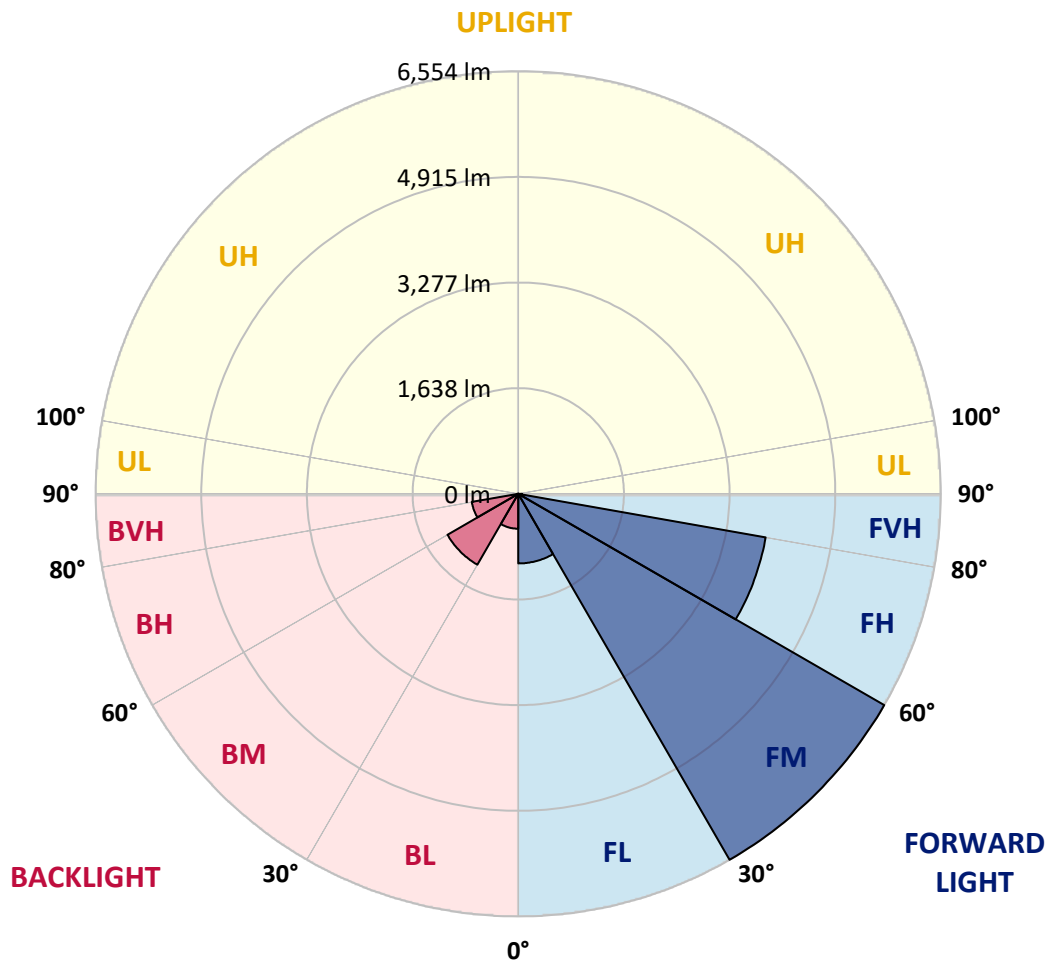


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1079.5	7.6			
FM (30°-60°)	6553.7	46.3			
FH (60°-80°)	3895.7	27.5			G2/5000
FVH (80°-90°)	58.0	0.4			G1/100
BL (0°-30°)	541.3	3.8	B2/1000		
BM (30°-60°)	1268.5	9.0	B2/2500		
BH (60°-80°)	731.6	5.2	B2/1000		G2/1000
BVH (80°-90°)	21.8	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°	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2
2.5°	2477.6	2491.9	2483.7	2479.7	2472.5	2462.4	2454.2	2428.7	2402.2	2384.9
5°	2527.6	2541.8	2540.8	2544.9	2550.0	2553.0	2551.0	2522.5	2484.8	2455.2
7.5°	2484.8	2501.1	2514.3	2534.7	2570.3	2608.0	2626.4	2620.3	2581.5	2540.8
10°	2363.5	2380.9	2412.4	2460.3	2535.7	2617.2	2685.5	2717.0	2692.6	2647.8
12.5°	2141.4	2158.8	2220.9	2324.8	2451.1	2592.8	2723.2	2807.7	2813.8	2769.0
15°	1891.8	1909.2	1975.4	2105.8	2298.3	2525.5	2743.5	2903.5	2957.5	2918.8
17.5°	1737.0	1752.3	1802.2	1907.1	2107.8	2391.0	2736.4	3005.4	3128.6	3098.1
20°	1690.1	1703.4	1726.8	1800.2	1967.2	2251.5	2689.5	3101.1	3313.0	3295.7
22.5°	1740.0	1752.3	1759.4	1792.0	1896.9	2159.8	2630.4	3198.9	3527.0	3529.0
25°	1855.2	1867.4	1859.2	1879.6	1925.5	2131.3	2608.0	3314.0	3795.9	3818.3
27.5°	2044.7	2045.7	2026.3	2025.3	2032.4	2174.0	2631.5	3437.3	4135.2	4176.9
30°	2424.7	2409.4	2335.0	2254.5	2217.8	2302.4	2696.7	3583.0	4535.5	4609.9
32.5°	3010.4	2988.0	2851.5	2659.0	2465.4	2509.2	2813.8	3749.1	4971.6	5106.0
35°	3646.2	3640.0	3497.4	3211.1	2872.9	2803.6	3004.3	3967.1	5447.3	5661.3
37.5°	4237.0	4234.0	4152.5	3815.3	3403.7	3214.2	3310.0	4252.3	5956.7	6266.4
40°	4777.0	4786.2	4704.7	4403.1	3988.5	3740.9	3725.6	4604.8	6523.1	6925.6
42.5°	5243.6	5253.8	5171.2	4948.1	4566.1	4323.6	4236.0	5036.8	7076.3	7633.6
45°	5560.4	5623.6	5611.4	5433.1	5159.0	4907.4	4849.3	5578.8	7707.0	8384.4
47.5°	5650.1	5708.1	5799.8	5824.3	5657.2	5409.6	5478.9	6231.8	8344.7	9136.3
50°	5429.0	5483.0	5673.5	5927.2	6043.3	5966.9	6091.2	6931.7	8997.7	9886.1
52.5°	4993.0	5048.0	5288.4	5689.8	6163.5	6404.0	6705.5	7621.4	9630.4	10596.2
55°	4362.3	4420.4	4729.1	5183.5	5934.3	6584.3	7217.9	8310.1	10210.1	11234.9
57.5°	3504.5	3547.3	3868.2	4504.0	5357.7	6405.0	7595.9	9061.9	10756.1	11862.5
60°	2284.1	2321.8	2694.6	3403.7	4402.1	5805.9	7671.3	9900.3	11481.5	12678.5
62.5°	1519.0	1544.4	1765.5	2286.1	3100.1	4655.8	7230.2	10569.7	12545.1	14098.7
65°	1042.2	1067.7	1288.7	1651.4	2002.9	3079.7	5961.8	10481.0	13508.8	15226.4
67.5°	743.7	765.1	952.5	1294.8	1449.7	1788.9	4041.4	9348.2	13370.3	15269.2
70°	532.8	545.0	699.9	1008.6	1152.2	1074.8	2247.4	7149.7	11706.6	14099.7
72.5°	372.9	376.9	486.0	768.1	928.1	784.4	1069.7	4766.8	8854.1	11066.8
75°	252.7	257.7	327.0	563.4	744.7	599.0	566.4	2556.1	5197.7	6125.8
77.5°	154.9	156.9	210.9	385.1	557.3	456.4	364.7	1082.9	2011.0	1974.4
80°	87.6	87.6	134.5	239.4	380.0	294.4	255.7	460.5	636.7	559.3
82.5°	48.9	49.9	97.8	148.7	251.6	174.2	140.6	212.9	275.1	243.5
85°	20.4	22.4	60.1	70.3	120.2	86.6	57.1	89.7	101.9	90.7
87.5°	2.0	3.1	18.3	13.2	14.3	17.3	8.2	17.3	14.3	14.3
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°
2344.2	0°	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2	2344.2
2378.8	2.5°	2359.5	2344.2	2305.5	2260.6	2201.5	2173.0	2134.3	2107.8	2085.4	2087.4
2437.9	5°	2405.3	2366.6	2280.0	2172.0	2037.5	1941.8	1839.9	1769.6	1712.5	1700.3
2519.4	7.5°	2468.5	2407.3	2255.5	2061.0	1833.8	1661.6	1507.8	1409.0	1338.7	1316.2
2618.2	10°	2550.0	2461.3	2224.0	1921.4	1594.4	1375.3	1210.3	1132.9	1085.0	1068.7
2734.4	12.5°	2644.7	2523.5	2182.2	1751.3	1347.8	1136.9	1032.0	993.3	978.0	972.9
2877.0	15°	2763.9	2600.9	2119.0	1549.5	1139.0	991.3	946.4	941.3	943.4	941.3
3048.1	17.5°	2905.5	2685.5	2016.1	1341.7	998.4	916.9	900.6	904.7	909.8	908.7
3239.7	20°	3060.4	2769.0	1884.7	1157.3	902.6	863.9	854.7	858.8	862.9	860.9
3460.7	22.5°	3236.6	2858.7	1739.0	1013.7	838.4	815.0	804.8	805.8	805.8	801.8
3740.9	25°	3447.5	2957.5	1586.2	911.8	789.5	771.2	759.0	754.9	748.8	736.6
4081.2	27.5°	3699.1	3062.4	1439.5	840.5	750.8	733.5	719.2	709.1	693.8	673.4
4489.7	30°	3982.3	3189.8	1315.2	795.7	720.3	702.9	686.6	671.4	649.0	623.5
4959.3	32.5°	4315.5	3326.3	1224.6	766.1	692.8	674.4	655.1	636.7	612.3	586.8
5487.1	35°	4712.8	3491.3	1171.6	745.7	671.4	646.9	625.5	605.1	586.8	564.4
6060.6	37.5°	5143.7	3666.5	1155.3	735.5	657.1	619.4	595.0	580.7	578.7	565.4
6681.1	40°	5615.4	3874.4	1167.5	729.4	641.8	592.9	566.4	563.4	568.5	545.0
7344.3	42.5°	6114.6	4120.9	1187.9	722.3	620.4	566.4	541.0	541.0	536.9	504.3
8045.2	45°	6654.6	4405.1	1208.3	705.0	595.0	539.9	520.6	513.5	496.1	464.6
8750.2	47.5°	7198.6	4694.5	1223.5	673.4	564.4	517.5	500.2	483.9	458.4	429.9
9441.9	50°	7715.1	4954.2	1207.2	626.5	529.8	496.1	477.8	455.4	427.9	408.5
10097.0	52.5°	8176.6	5179.4	1138.0	571.5	493.1	473.7	457.4	434.0	411.6	391.2
10687.9	55°	8578.0	5361.8	1015.7	519.6	460.5	454.4	438.1	408.5	378.0	360.6
11273.6	57.5°	8963.1	5500.3	862.9	476.8	430.9	433.0	408.5	382.0	353.5	335.2
12063.2	60°	9475.5	5685.7	708.0	437.0	399.4	405.5	379.0	359.6	324.0	300.5
13417.1	62.5°	10294.6	5974.0	562.4	388.1	362.7	364.7	353.5	330.1	287.3	259.8
14420.6	65°	10944.6	5868.1	443.2	335.2	320.9	324.0	324.0	298.5	252.7	221.1
14474.6	67.5°	10871.2	5024.5	353.5	283.2	281.2	283.2	290.3	269.0	224.1	198.7
13372.3	70°	10014.5	3996.6	283.2	235.3	244.5	239.4	259.8	245.5	201.7	176.2
10366.9	72.5°	8171.5	2879.0	216.0	194.6	187.5	195.6	234.3	221.1	168.1	139.6
5491.1	75°	4774.9	1536.3	161.0	153.8	135.5	163.0	207.8	188.5	128.4	102.9
1683.0	77.5°	1554.6	535.9	118.2	113.1	100.9	131.4	177.3	158.9	104.9	81.5
493.1	80°	416.7	162.0	80.5	74.4	65.2	97.8	140.6	126.3	75.4	53.0
211.9	82.5°	167.1	68.3	46.9	41.8	35.7	67.2	111.0	101.9	56.0	33.6
66.2	85°	54.0	22.4	17.3	13.2	16.3	41.8	66.2	69.3	39.7	17.3
10.2	87.5°	7.1	3.1	3.1	4.1	3.1	7.1	20.4	19.4	11.2	2.0
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°
2344.2
2067.1
1672.8
1293.8
1056.5
969.9
940.3
906.7
859.8
799.7
734.5
671.4
621.4
587.8
562.4
564.4
546.1
504.3
463.5
428.9
405.5
389.2
358.6
333.1
297.5
257.7
218.0
194.6
173.2
136.5
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78.4
52.0
33.6
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