

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: P946440

Luminaire Tested: **GLAN-SB2A-830-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-830-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8210 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

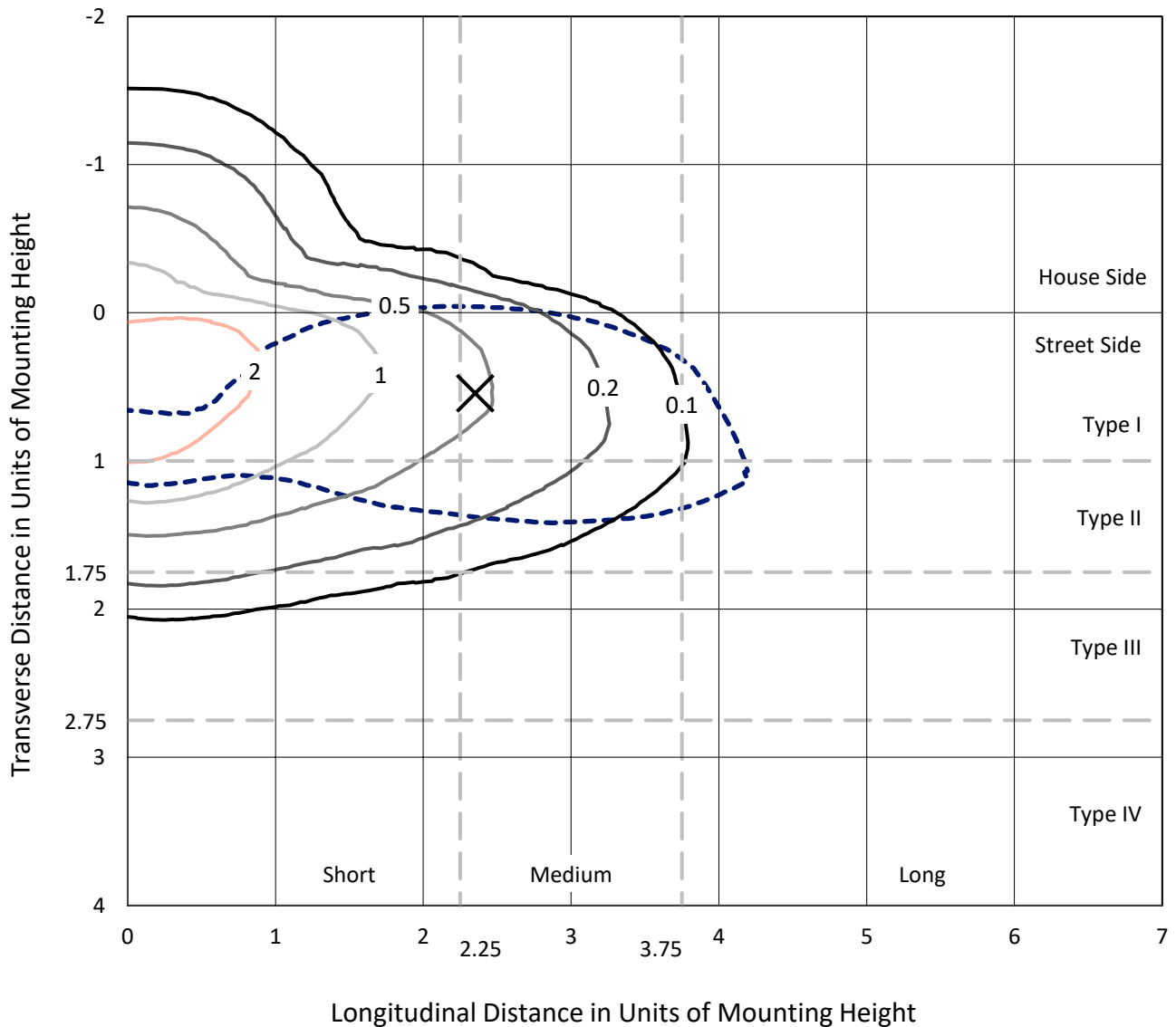
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

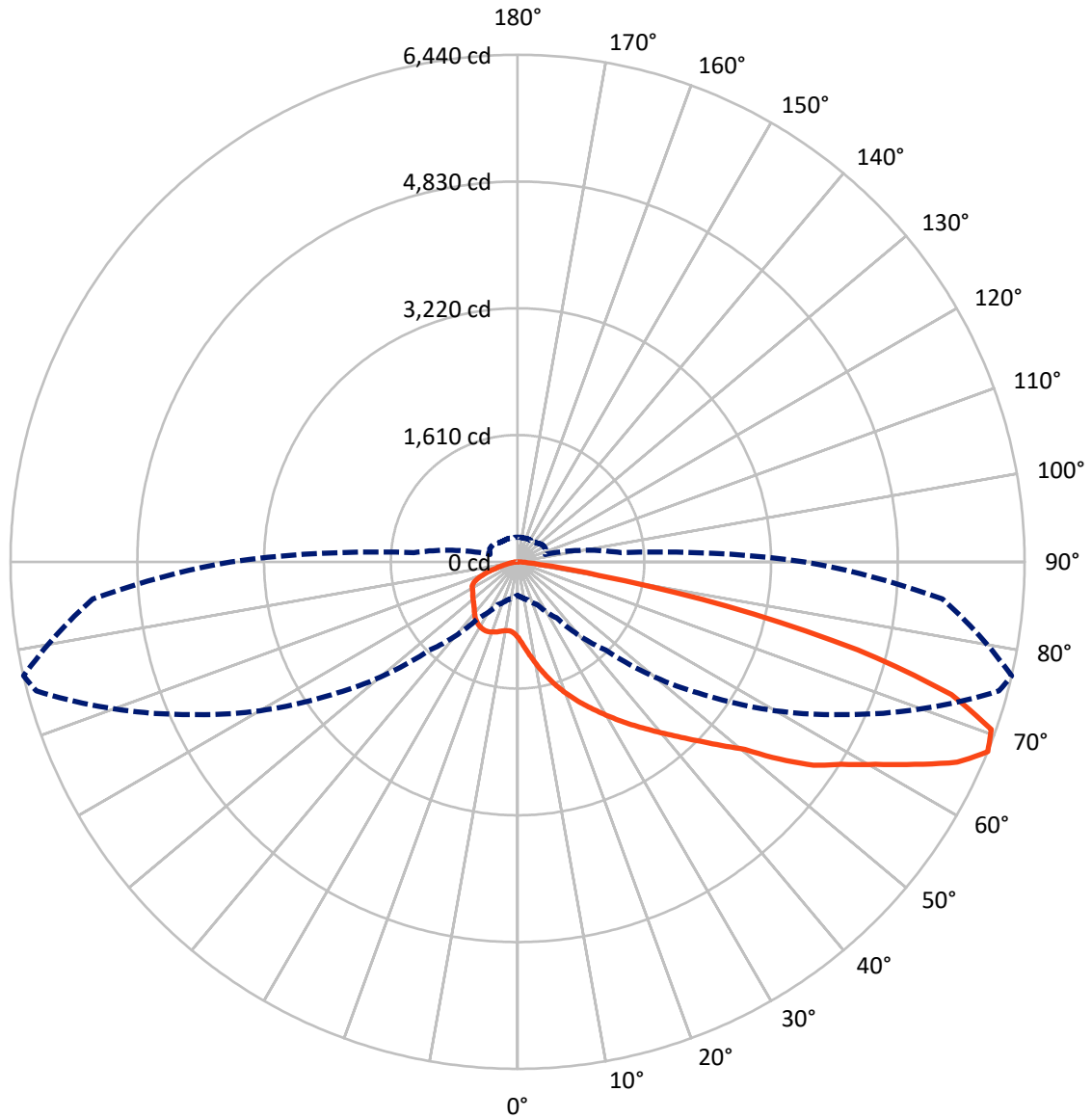
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1553.0	0.0	1553.0
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	6657.0	0.0	6657.0
	% Fixture	81.1	0.0	81.1
Total	Lumens	8210.0	0.0	8210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	1.3
10°-20°	370.9	4.5
20°-30°	700.4	8.5
30°-40°	1128.3	13.7
40°-50°	1543.3	18.8
50°-60°	1740.8	21.2
60°-70°	1624.9	19.8
70°-80°	890.7	10.8
80°-90°	107.4	1.3
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°	8210.0	100.0
0°-180°	8210.0	100.0

Coefficient of Utilization

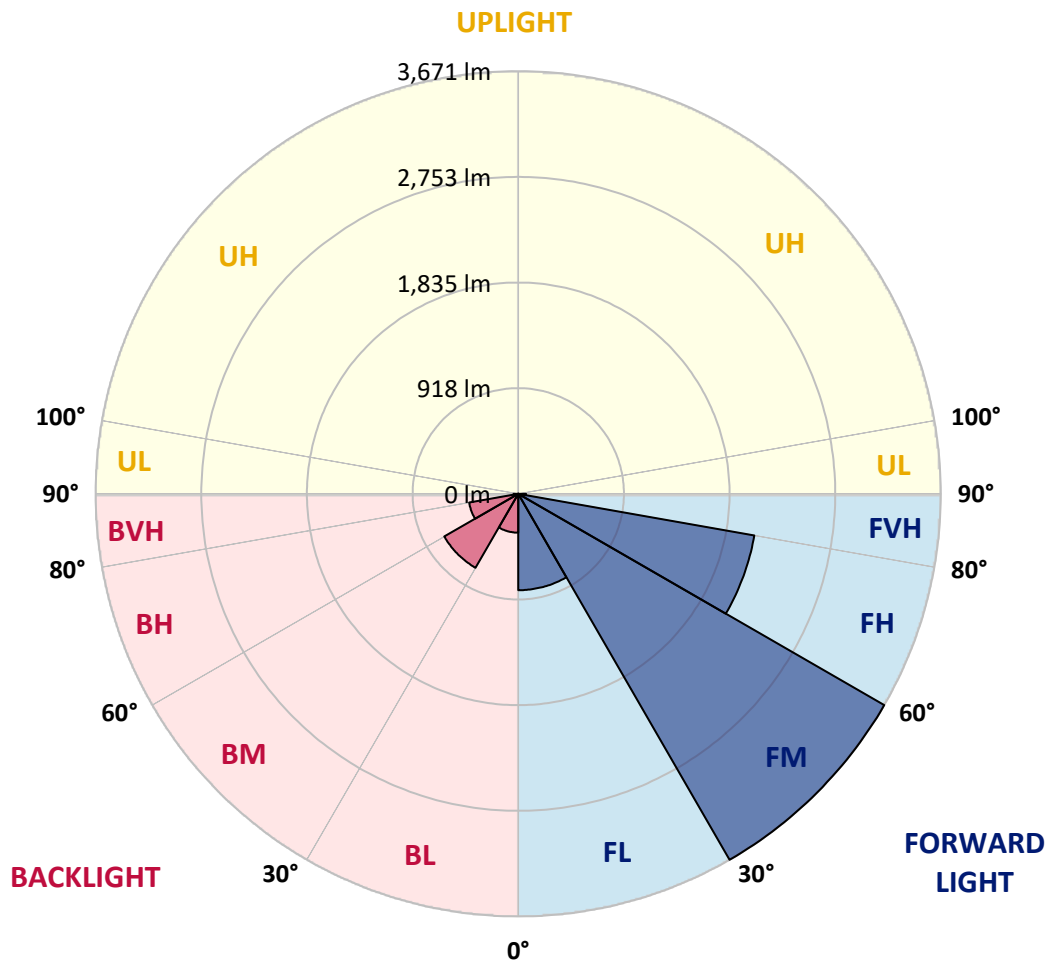


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	836.9	10.2			
FM (30°-60°)	3670.6	44.7			
FH (60°-80°)	2082.3	25.4			G2/5000
FVH (80°-90°)	67.2	0.8			G1/100
BL (0°-30°)	337.7	4.1	B1/500		
BM (30°-60°)	741.8	9.0	B1/1000		
BH (60°-80°)	433.3	5.3	B1/500		G1/500
BVH (80°-90°)	40.2	0.5			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3
2.5°	1206.1	1214.6	1204.0	1204.0	1168.4	1149.8	1114.2	1087.0	1038.3	1029.8
5°	1425.6	1436.2	1421.4	1415.1	1373.1	1334.5	1274.8	1215.9	1129.0	1120.1
7.5°	1595.6	1609.2	1596.0	1589.2	1551.9	1508.7	1438.8	1356.6	1234.1	1216.7
10°	1734.2	1736.3	1732.1	1734.6	1705.4	1669.8	1598.1	1502.4	1349.4	1325.6
12.5°	1812.6	1822.3	1830.8	1846.1	1841.0	1818.9	1754.5	1640.1	1471.4	1440.9
15°	1849.4	1866.4	1885.5	1920.6	1949.0	1954.5	1905.4	1788.0	1595.6	1558.7
17.5°	1862.6	1878.7	1908.8	1959.6	2020.7	2061.8	2039.7	1931.7	1718.5	1676.1
20°	1929.1	1933.8	1952.0	2000.3	2066.4	2134.7	2151.2	2069.8	1840.1	1792.2
22.5°	2071.5	2062.2	2067.3	2089.3	2136.8	2202.9	2240.6	2191.9	1965.1	1910.0
25°	2306.7	2279.6	2252.5	2227.0	2251.2	2288.5	2331.3	2313.9	2096.1	2026.2
27.5°	2603.8	2570.7	2511.0	2427.5	2398.3	2411.4	2430.5	2427.1	2217.3	2146.5
30°	2896.2	2857.7	2786.5	2665.7	2588.5	2553.8	2539.4	2529.6	2349.1	2273.7
32.5°	3129.7	3099.2	3029.3	2894.1	2782.2	2722.9	2675.0	2640.2	2486.8	2411.4
35°	3334.0	3305.6	3225.5	3078.0	2956.4	2893.3	2830.5	2756.4	2630.1	2553.8
37.5°	3520.5	3492.1	3382.3	3228.9	3106.4	3062.8	3006.8	2881.0	2773.7	2701.7
40°	3638.3	3631.9	3529.4	3355.6	3228.5	3206.9	3188.2	3025.5	2933.1	2866.1
42.5°	3668.4	3682.4	3601.0	3458.2	3337.0	3319.6	3363.2	3189.1	3111.9	3047.9
45°	3595.9	3636.2	3582.8	3485.7	3414.1	3404.8	3518.4	3367.9	3309.8	3251.4
47.5°	3412.4	3480.6	3458.6	3445.0	3434.9	3475.1	3654.8	3557.8	3534.0	3483.2
50°	3042.0	3171.3	3209.8	3295.4	3393.8	3529.8	3779.0	3765.0	3795.9	3744.7
52.5°	2401.7	2579.6	2803.4	3017.9	3267.5	3511.6	3915.5	4062.5	4193.0	4165.1
55°	1982.5	2062.6	2234.7	2628.0	3022.5	3434.9	3976.9	4302.8	4587.2	4562.2
57.5°	1660.4	1732.1	1838.0	2166.4	2652.1	3260.7	4015.0	4449.4	4857.1	4854.6
60°	1315.0	1390.9	1499.4	1732.1	2219.4	2959.8	4006.6	4616.4	5201.7	5222.9
62.5°	925.1	1008.6	1129.0	1346.0	1777.4	2569.9	3833.7	4737.2	5607.2	5664.9
65°	608.1	663.2	753.9	941.3	1324.4	2068.5	3503.5	4752.9	6041.2	6138.7
67.5°	426.3	447.5	500.9	602.6	873.0	1586.3	2977.6	4590.6	6330.7	6440.4
70°	332.7	343.3	370.4	411.1	548.4	1066.7	2281.7	4168.5	6268.8	6383.2
72.5°	287.3	297.5	307.7	312.8	367.9	658.6	1545.6	3485.3	5686.1	5763.6
75°	260.6	263.2	271.7	270.0	280.6	427.2	892.1	2539.4	4486.3	4459.6
77.5°	219.1	222.5	236.5	234.4	249.2	292.0	463.2	1638.8	2908.5	2727.1
80°	185.6	187.3	202.6	200.0	216.6	211.5	236.5	835.3	1233.7	1045.1
82.5°	64.4	79.7	154.7	159.3	165.3	128.0	136.5	340.7	376.8	288.6
85°	31.4	33.5	78.8	111.9	111.5	64.4	66.5	121.6	118.7	93.2
87.5°	5.1	6.4	9.3	43.7	34.8	17.0	22.9	23.7	24.6	21.2
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°
963.3	0°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3
997.6	2.5°	973.9	952.7	908.2	867.1	834.9	803.9	786.6	771.7	763.3	761.6
1044.2	5°	1000.2	956.5	875.6	807.3	762.8	729.8	712.4	701.4	695.9	692.5
1107.0	7.5°	1037.9	973.9	858.6	781.1	734.4	710.7	701.8	700.1	699.7	700.1
1182.8	10°	1090.0	1002.3	856.9	774.7	735.7	722.6	722.1	722.6	724.3	724.7
1265.5	12.5°	1146.4	1031.5	863.7	780.2	751.8	744.6	743.3	742.9	744.2	745.0
1348.9	15°	1207.8	1070.1	875.1	792.1	769.6	762.0	760.7	758.2	757.7	757.3
1436.7	17.5°	1271.0	1108.2	887.9	804.8	781.1	770.5	765.8	759.9	755.2	753.9
1527.4	20°	1335.0	1145.9	896.8	811.1	781.9	767.1	757.7	747.6	739.5	734.9
1618.9	22.5°	1403.2	1185.4	902.3	809.5	774.3	753.9	737.0	725.1	712.8	704.8
1711.3	25°	1469.7	1219.7	901.8	800.6	759.4	733.6	712.0	696.7	679.8	671.3
1806.6	27.5°	1533.7	1250.6	891.2	784.9	738.3	709.4	683.6	665.4	648.8	640.8
1902.8	30°	1599.8	1276.5	874.7	762.0	713.2	681.5	653.1	637.4	622.6	614.9
2004.6	32.5°	1665.5	1300.2	851.4	733.6	684.4	653.9	625.9	611.5	602.6	602.6
2113.9	35°	1735.0	1316.7	820.5	700.5	653.9	624.7	602.6	594.2	593.3	588.2
2229.6	37.5°	1808.3	1327.3	782.8	666.6	623.8	596.3	589.5	579.3	570.9	559.8
2356.7	40°	1885.5	1337.9	737.4	631.5	592.0	576.8	573.8	560.3	536.1	509.0
2500.8	42.5°	1979.1	1345.1	690.4	596.3	558.6	553.5	557.7	534.4	495.8	475.5
2674.6	45°	2087.6	1357.0	647.1	561.5	524.2	524.2	542.0	511.5	479.7	467.0
2872.9	47.5°	2228.3	1384.5	606.9	523.4	492.5	500.9	507.3	484.0	466.2	450.5
3114.5	50°	2431.7	1450.7	565.3	484.8	468.3	485.2	476.3	462.8	442.0	429.3
3498.4	52.5°	2684.3	1489.6	528.5	450.1	447.5	464.5	451.8	439.1	423.4	406.4
3789.6	55°	2856.4	1496.8	497.5	424.6	433.5	431.8	427.2	415.7	407.3	384.8
4076.9	57.5°	3048.8	1511.3	472.1	409.4	424.6	406.0	404.3	394.6	383.5	368.3
4427.4	60°	3278.9	1533.7	450.1	403.5	417.0	389.0	380.6	376.8	365.7	358.1
4849.1	62.5°	3529.8	1554.1	427.6	404.3	408.1	372.5	359.8	358.5	351.8	349.2
5244.9	65°	3701.0	1498.5	399.6	403.5	394.1	355.6	339.5	339.0	333.5	332.7
5416.5	67.5°	3641.3	1322.7	361.9	391.6	379.7	338.6	320.8	319.1	311.9	312.3
5237.3	70°	3342.1	1071.8	309.8	362.3	361.9	323.4	301.3	295.8	286.1	287.8
4553.7	72.5°	2780.9	794.2	239.9	313.6	333.5	309.4	278.9	270.0	257.7	259.4
3361.5	75°	2008.4	539.9	174.6	238.6	290.3	292.8	256.8	241.6	226.7	229.3
1871.1	77.5°	1027.7	306.0	128.4	164.4	228.0	266.1	236.9	216.6	213.2	236.9
539.5	80°	335.2	153.4	89.0	115.3	149.6	217.8	207.7	184.4	183.5	189.0
113.2	82.5°	100.0	64.8	57.2	75.9	82.6	167.0	179.3	139.4	119.9	126.3
37.7	85°	34.3	31.4	32.6	37.7	39.4	97.9	125.4	92.4	87.3	96.2
8.5	87.5°	8.1	11.0	9.3	8.5	8.5	23.7	48.7	38.6	53.4	35.6
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°
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963.3
761.6
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755.2
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640.4
614.5
603.1
587.0
558.1
505.2
475.9
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450.1
428.0
403.0
385.2
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