

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: P845976

Luminaire Tested: **GLAN-SB1B-850-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845976
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-850-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4792 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

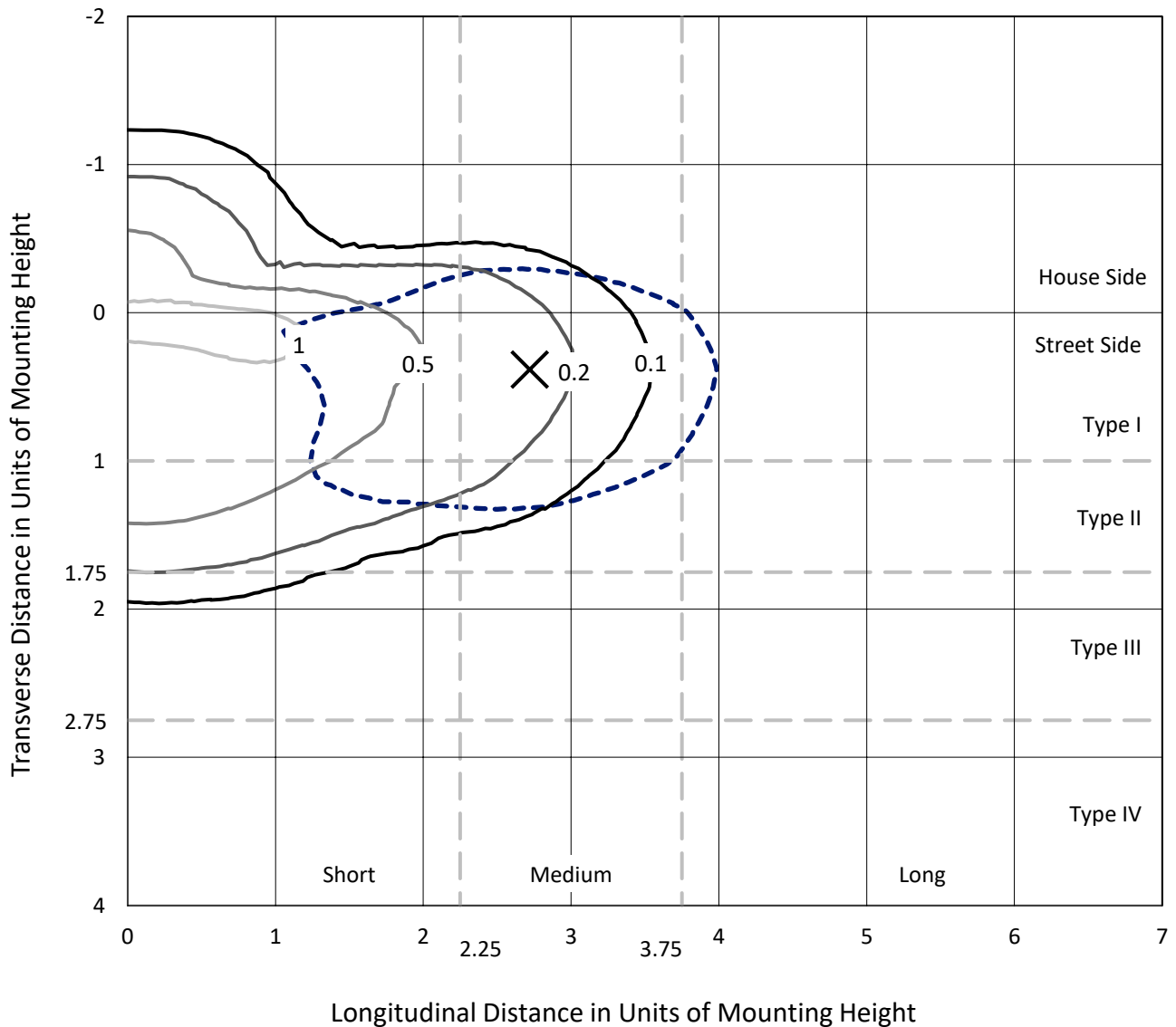
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

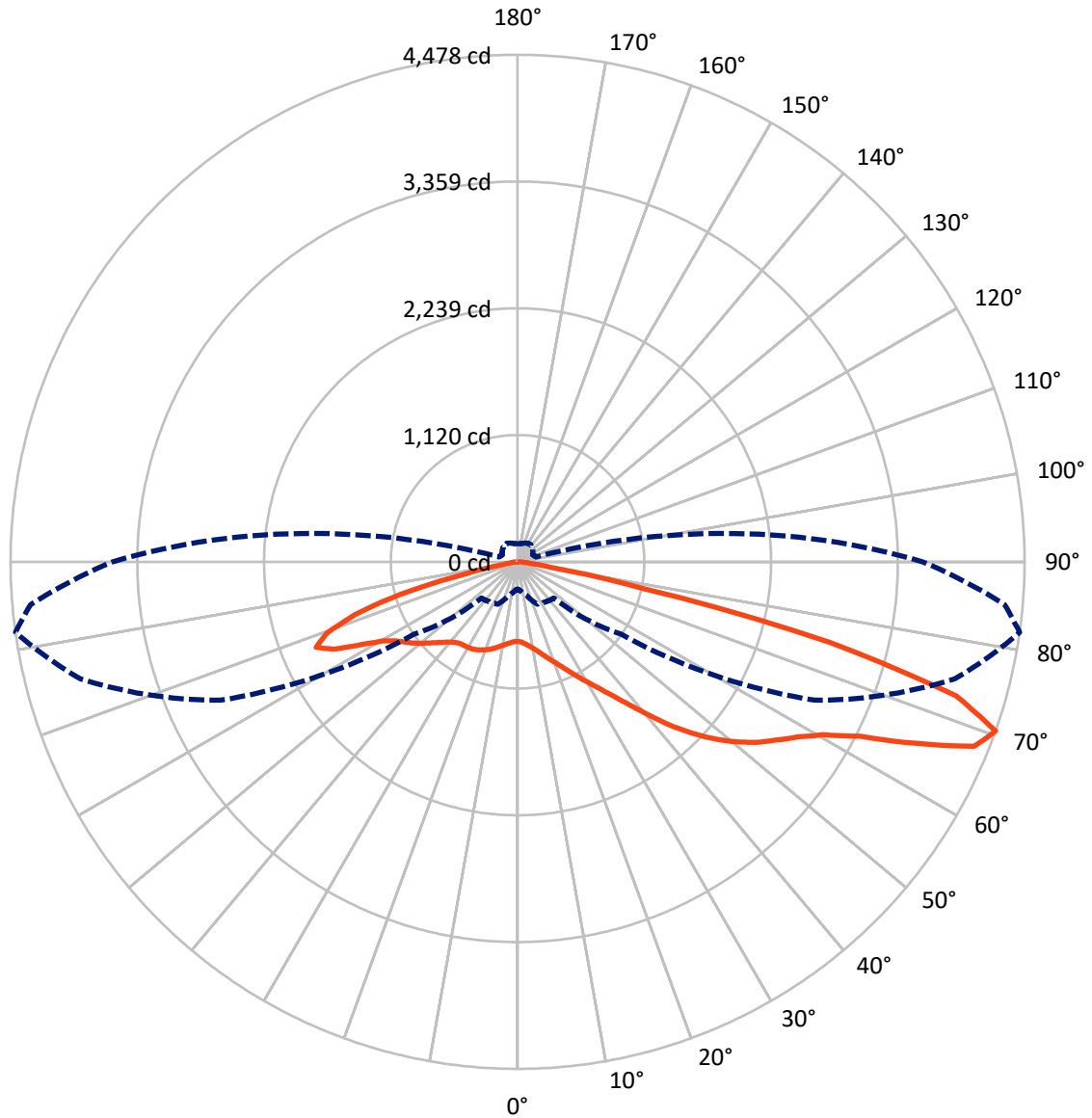
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1181.3	0.0	1181.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3610.7	0.0	3610.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	4792.0	0.0	4792.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	1.4
10°-20°	190.6	4.0
20°-30°	318.8	6.7
30°-40°	498.1	10.4
40°-50°	793.3	16.6
50°-60°	1103.9	23.0
60°-70°	1154.8	24.1
70°-80°	603.5	12.6
80°-90°	62.7	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°	4792.0	100.0
0°-180°	4792.0	100.0

Coefficient of Utilization



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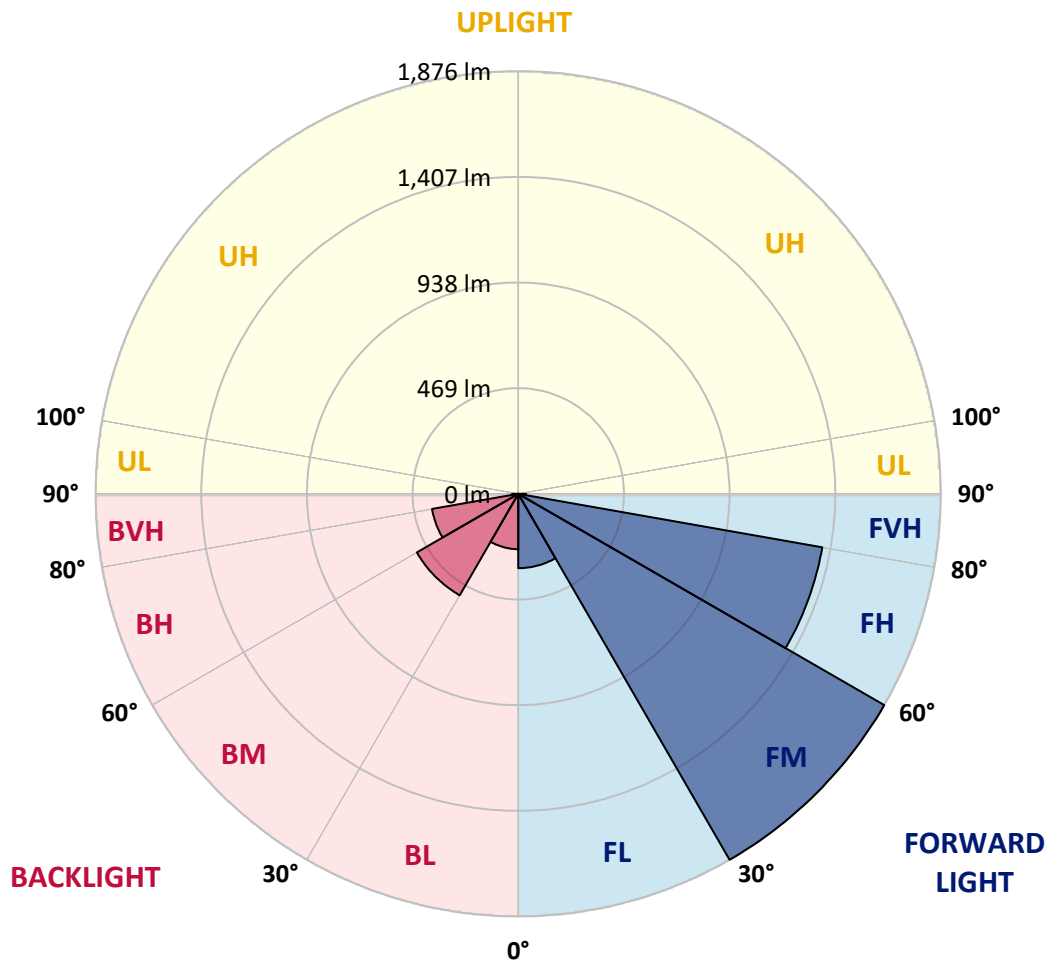
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.0	6.9			
FM (30°-60°)	1875.5	39.1			
FH (60°-80°)	1370.1	28.6			G1/1800
FVH (80°-90°)	35.1	0.7			G1/100
BL (0°-30°)	245.8	5.1	B1/500		
BM (30°-60°)	519.7	10.8	B1/1000		
BH (60°-80°)	388.2	8.1	B1/500		G1/500
BVH (80°-90°)	27.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6
2.5°	719.3	723.4	722.1	720.9	720.9	719.1	718.8	716.3	714.3	711.0
5°	728.5	732.8	732.3	733.3	736.6	737.4	738.2	736.6	732.6	728.5
7.5°	720.4	725.2	726.7	732.8	743.0	752.2	759.0	761.8	758.0	752.2
10°	692.9	698.2	703.6	718.1	736.1	757.7	776.1	787.0	786.2	780.6
12.5°	637.2	642.8	654.3	682.5	715.5	753.7	787.7	810.6	818.5	814.4
15°	592.7	597.6	606.2	635.2	678.2	736.1	792.1	836.6	856.7	854.4
17.5°	591.4	593.5	598.8	612.6	645.6	708.7	787.5	862.0	900.4	900.1
20°	613.8	614.6	617.6	620.4	639.3	687.8	775.8	883.1	949.5	949.5
22.5°	644.8	644.3	647.4	644.8	654.0	686.0	768.4	901.7	1004.1	1008.2
25°	691.4	688.8	688.1	682.2	684.0	702.6	776.6	922.8	1069.0	1077.4
27.5°	753.4	749.4	746.6	733.1	728.5	736.6	801.5	948.2	1141.2	1155.7
30°	834.3	826.9	822.8	799.4	782.9	784.2	839.1	982.0	1216.7	1240.1
32.5°	944.6	933.2	922.3	883.9	853.6	843.7	887.7	1028.8	1298.6	1336.0
35°	1068.2	1059.1	1047.4	988.1	941.6	918.7	953.3	1094.2	1394.5	1453.7
37.5°	1187.2	1179.3	1184.9	1105.1	1045.1	1011.8	1039.2	1181.9	1512.7	1600.2
40°	1310.3	1304.2	1304.9	1228.7	1158.7	1121.4	1143.5	1292.0	1648.2	1774.3
42.5°	1444.0	1439.5	1424.2	1356.6	1278.0	1243.2	1263.5	1419.1	1793.7	1972.7
45°	1593.8	1591.0	1576.8	1499.2	1409.2	1370.0	1397.5	1559.5	1939.9	2159.3
47.5°	1723.2	1725.5	1723.7	1658.4	1565.1	1507.6	1540.4	1705.9	2075.9	2334.8
50°	1785.5	1797.5	1815.0	1794.7	1736.7	1678.2	1684.6	1847.3	2205.6	2499.3
52.5°	1753.0	1775.6	1823.4	1856.0	1878.3	1866.1	1849.1	1987.7	2327.7	2647.8
55°	1631.7	1663.5	1742.8	1821.4	1935.6	2024.3	2046.7	2143.3	2446.7	2778.5
57.5°	1410.7	1462.3	1533.5	1692.5	1884.7	2100.8	2277.0	2359.2	2572.8	2918.1
60°	1031.9	1101.0	1189.5	1426.0	1706.7	2059.9	2473.1	2690.8	2752.0	3098.9
62.5°	660.4	703.1	784.4	1007.2	1329.9	1850.1	2533.1	3105.2	3055.9	3395.4
65°	452.1	479.6	554.1	679.2	859.7	1377.2	2372.4	3416.0	3538.5	3865.3
67.5°	328.5	349.4	412.9	522.5	560.2	815.0	1841.0	3401.7	4007.7	4349.4
70°	239.5	254.3	307.7	412.9	431.0	453.4	1115.3	2891.6	3997.5	4478.1
72.5°	177.5	187.7	223.5	320.4	348.9	306.1	552.0	2101.6	3435.0	4050.4
75°	128.4	136.0	162.5	245.1	279.2	233.2	275.4	1228.2	2396.1	2849.2
77.5°	98.2	104.0	121.3	179.5	223.5	174.9	170.9	565.0	1136.1	1141.7
80°	78.8	82.6	92.0	126.4	171.4	131.0	111.4	228.1	359.0	303.9
82.5°	58.0	64.3	77.8	88.7	122.6	90.3	67.9	115.2	136.5	117.5
85°	33.1	37.4	47.0	63.6	78.3	55.2	38.9	51.1	63.6	52.1
87.5°	11.7	15.3	16.5	24.9	34.1	22.9	15.0	14.7	20.9	15.5
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°
702.6	0°	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6	702.6
710.2	2.5°	707.7	706.4	701.3	694.4	687.3	680.4	678.2	673.3	670.0	668.2
726.7	5°	721.9	717.8	705.9	690.6	674.6	657.3	645.1	633.9	625.8	618.1
749.4	7.5°	742.2	735.1	714.5	687.8	659.3	630.6	609.2	593.0	582.0	574.9
775.8	10°	765.9	754.9	723.4	683.5	639.5	598.3	573.1	559.2	552.3	548.5
806.1	12.5°	793.1	777.6	732.6	673.6	609.2	562.2	544.9	540.8	541.1	541.4
844.2	15°	826.7	805.0	739.9	652.0	569.8	534.5	531.4	538.0	544.9	548.2
887.4	17.5°	864.5	834.0	741.2	616.4	531.2	516.7	526.4	540.6	551.0	555.6
935.7	20°	905.2	863.5	732.1	566.0	499.4	502.2	519.5	537.8	549.2	555.1
990.9	22.5°	951.8	895.1	710.2	513.1	473.5	486.4	506.8	524.6	536.5	542.4
1055.8	25°	1004.9	930.4	675.9	468.6	451.1	468.6	489.0	503.7	513.4	518.7
1128.2	27.5°	1063.9	967.3	630.1	433.3	431.5	450.3	467.1	478.5	483.6	487.7
1205.3	30°	1123.1	1000.8	574.7	406.6	414.5	432.3	444.2	449.3	450.8	451.6
1291.2	32.5°	1187.2	1029.8	516.4	384.5	398.2	414.7	421.8	424.1	417.0	412.2
1395.5	35°	1264.8	1060.8	459.5	366.9	382.2	396.4	398.7	396.7	388.3	378.4
1526.2	37.5°	1360.6	1099.5	414.0	354.5	367.2	376.6	373.8	373.3	374.0	362.3
1683.3	40°	1478.1	1149.8	380.7	344.8	355.0	357.0	349.1	353.4	357.3	339.5
1855.7	42.5°	1608.6	1210.6	359.5	338.2	344.8	340.0	327.8	332.6	332.1	308.7
2028.9	45°	1741.5	1276.7	352.2	333.4	335.4	325.7	312.3	313.5	302.8	281.7
2194.9	47.5°	1873.8	1347.7	356.8	329.3	323.7	312.8	302.3	296.7	281.0	265.2
2354.1	50°	2003.4	1422.2	373.5	321.2	307.7	301.3	293.7	283.8	267.0	253.5
2504.6	52.5°	2123.7	1497.2	392.3	307.7	287.6	291.4	286.6	275.1	258.6	244.9
2647.0	55°	2237.6	1572.2	399.7	289.1	268.8	282.8	280.0	258.9	239.0	227.8
2796.0	57.5°	2361.7	1662.5	391.6	265.5	253.5	272.8	262.2	238.8	227.3	218.9
2990.0	60°	2533.6	1804.1	374.0	236.2	239.0	258.1	239.8	230.1	217.7	208.3
3280.9	62.5°	2819.2	2068.3	345.8	207.2	222.0	236.2	229.1	219.4	206.7	197.6
3778.3	65°	3241.3	2435.5	292.7	184.6	202.9	214.9	217.7	208.0	194.8	185.1
4214.1	67.5°	3597.3	2665.8	221.5	165.8	183.3	197.6	205.5	196.0	182.1	172.7
4316.1	70°	3577.7	2498.5	169.1	147.2	166.0	180.5	190.7	183.3	168.3	159.4
3920.4	72.5°	3177.7	2090.2	136.8	128.4	148.5	162.7	174.9	169.3	154.1	145.4
2872.1	75°	2334.5	1483.7	109.3	109.3	126.6	144.2	157.7	154.1	140.1	134.0
1205.8	77.5°	984.1	622.5	85.7	90.8	105.3	123.8	140.6	141.9	129.7	137.3
318.9	80°	261.7	171.6	65.3	71.5	82.6	102.2	122.3	121.8	108.6	101.5
118.5	82.5°	99.7	67.6	46.5	50.3	59.8	78.3	96.9	99.9	86.7	75.0
46.5	85°	38.4	29.0	28.7	30.3	34.8	51.9	73.2	75.8	65.3	55.4
13.0	87.5°	9.9	8.6	10.7	10.2	16.0	27.7	42.0	43.5	39.9	23.1
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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702.6
670.3
621.2
576.4
549.5
541.9
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556.6
556.6
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489.2
453.4
413.7
378.9
363.1
340.0
308.4
282.5
265.2
252.5
245.1
226.8
218.2
207.7
197.6
185.6
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145.4
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