

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: P845958

Luminaire Tested: **GLAN-SB1B-835-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4667 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

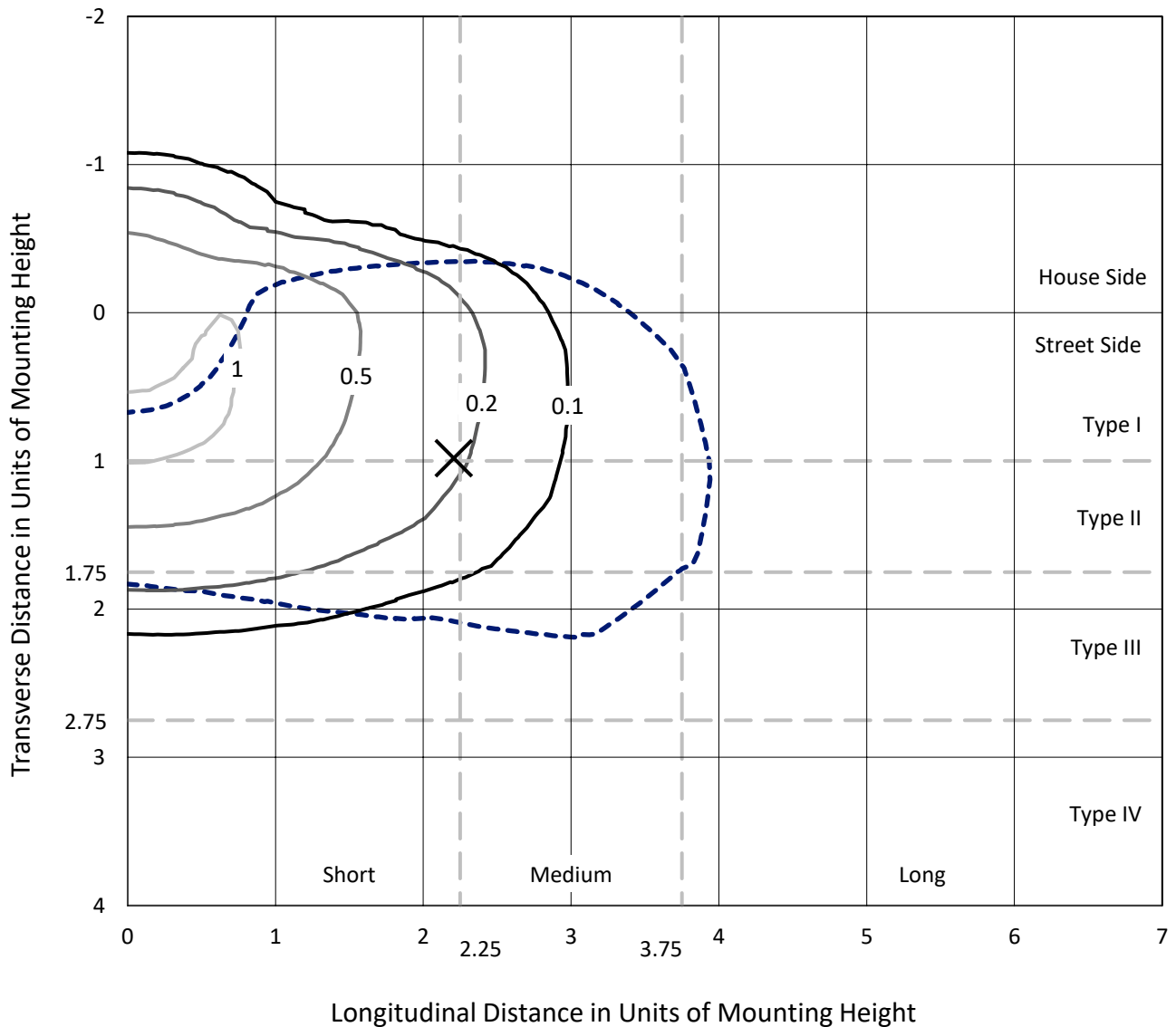
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

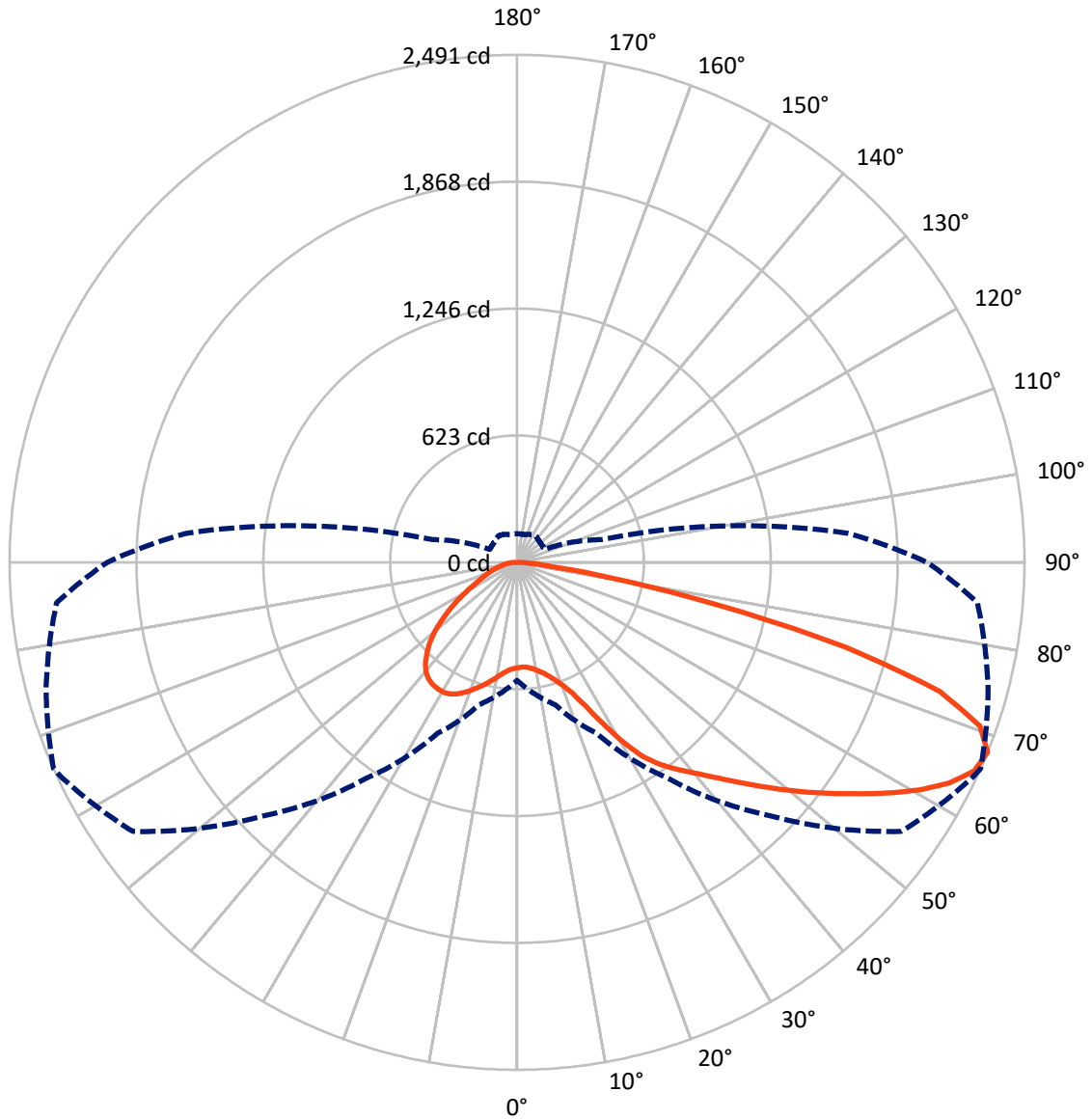
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1160.4	0.0	1160.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3506.6	0.0	3506.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	4667.0	0.0	4667.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.3	1.1
10°-20°	169.6	3.6
20°-30°	326.8	7.0
30°-40°	573.0	12.3
40°-50°	851.9	18.3
50°-60°	1079.9	23.1
60°-70°	1056.6	22.6
70°-80°	504.0	10.8
80°-90°	53.9	1.2
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°	4667.0	100.0
0°-180°	4667.0	100.0

Coefficient of Utilization



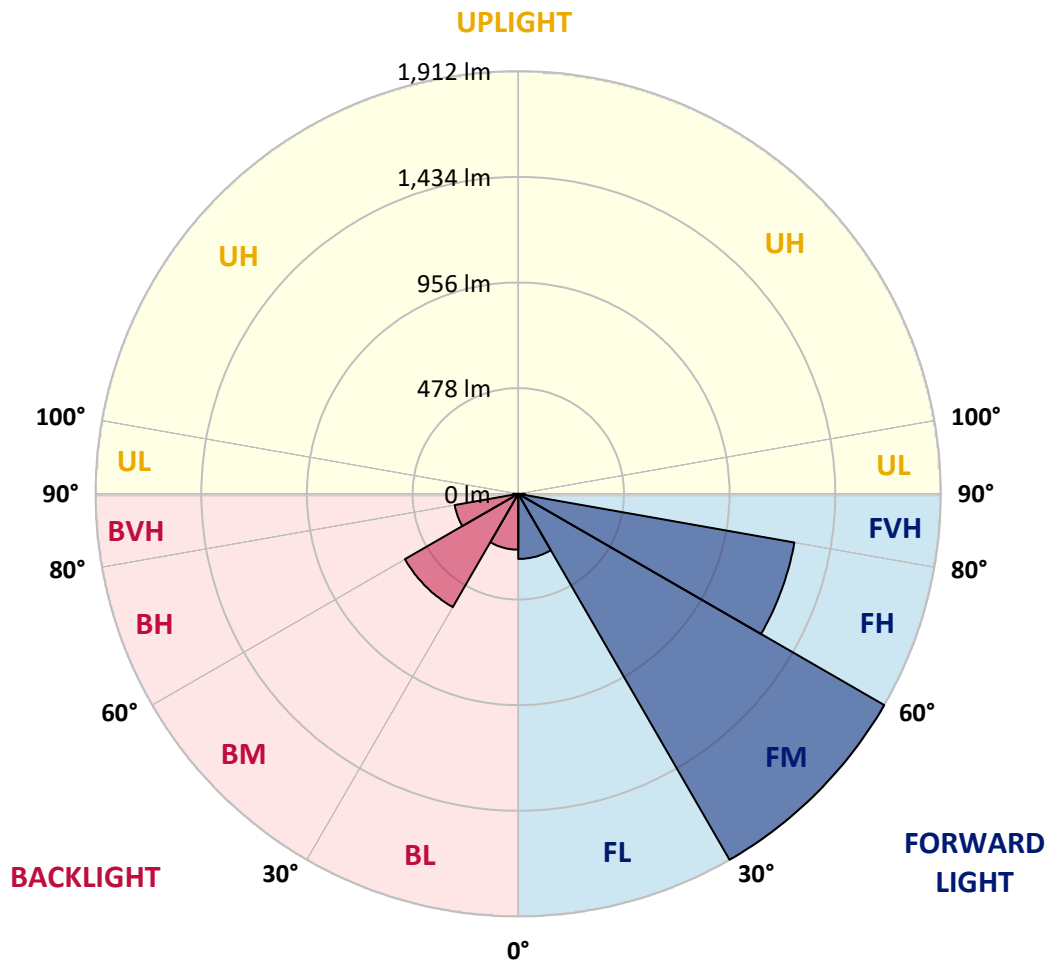
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	294.9	6.3			
FM (30°-60°)	1912.5	41.0			
FH (60°-80°)	1268.6	27.2			G1/1800
FVH (80°-90°)	30.5	0.7			G1/100
BL (0°-30°)	252.8	5.4	B1/500		
BM (30°-60°)	592.3	12.7	B1/1000		
BH (60°-80°)	292.0	6.3	B1/500		G1/500
BVH (80°-90°)	23.3	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-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	517.6	517.6	517.6	517.6	517.6	517.6	517.6	517.6	517.6	517.6
2.5°	512.2	515.2	514.4	513.2	513.0	513.5	514.2	514.9	514.7	515.9
5°	510.8	513.7	513.5	513.5	514.4	516.4	517.6	518.9	517.6	519.1
7.5°	511.7	514.0	514.9	515.9	518.4	522.0	525.0	527.7	526.2	527.9
10°	524.3	526.0	526.9	526.9	528.7	532.8	535.8	540.7	539.5	542.2
12.5°	547.1	548.8	548.8	547.8	549.0	551.7	552.7	558.1	555.9	560.3
15°	575.0	578.4	575.7	574.0	574.5	577.2	577.0	581.1	578.9	582.6
17.5°	605.9	610.3	605.9	605.7	604.7	607.6	607.9	611.5	607.6	610.3
20°	642.4	648.6	644.9	646.1	643.9	645.1	646.4	651.8	645.6	647.6
22.5°	693.9	701.3	697.4	702.0	700.6	699.6	699.3	708.9	699.3	700.1
25°	769.0	777.8	770.9	777.3	777.3	780.5	784.2	796.4	780.5	775.8
27.5°	879.8	888.6	875.1	879.1	877.8	885.7	881.8	912.2	895.0	887.4
30°	1013.2	1028.9	1003.4	1002.4	1001.2	1013.7	1019.3	1039.4	1022.0	1014.4
32.5°	1157.4	1173.8	1143.4	1134.6	1129.9	1137.5	1132.9	1149.0	1137.0	1125.3
35°	1309.9	1326.1	1297.1	1280.0	1261.3	1245.4	1228.7	1232.9	1221.6	1203.7
37.5°	1454.1	1483.7	1453.1	1434.7	1400.4	1369.2	1322.6	1303.3	1292.7	1276.3
40°	1601.0	1617.9	1594.6	1578.9	1541.6	1492.8	1418.3	1377.3	1363.1	1347.2
42.5°	1709.1	1725.3	1712.8	1702.0	1672.8	1616.2	1519.8	1468.5	1447.9	1430.0
45°	1794.9	1806.9	1799.1	1803.0	1790.5	1735.6	1625.0	1566.4	1545.0	1523.2
47.5°	1829.5	1842.2	1854.7	1878.0	1899.4	1858.9	1738.0	1672.3	1649.8	1627.4
50°	1825.6	1838.6	1874.9	1924.4	1990.6	1977.1	1857.2	1785.1	1764.3	1738.8
52.5°	1794.2	1808.9	1855.5	1937.9	2043.3	2065.6	1978.6	1901.6	1882.0	1851.6
55°	1711.8	1720.6	1790.5	1907.2	2055.8	2127.4	2097.5	2025.7	2006.0	1963.6
57.5°	1559.0	1571.8	1673.5	1824.6	2024.4	2169.3	2202.0	2156.1	2137.2	2076.2
60°	1359.7	1380.0	1496.5	1685.8	1944.5	2169.1	2296.9	2284.3	2268.7	2187.0
62.5°	1134.1	1157.6	1269.7	1489.6	1804.7	2107.6	2356.2	2391.7	2383.7	2289.3
65°	871.0	887.2	998.7	1235.8	1587.2	1975.4	2363.1	2465.1	2466.5	2367.0
67.5°	579.9	626.5	723.4	927.4	1295.9	1759.4	2302.7	2477.1	2491.3	2393.7
70°	283.0	344.3	439.2	602.7	927.4	1428.1	2145.1	2378.5	2410.1	2315.7
72.5°	117.5	137.3	189.1	297.4	532.3	963.7	1828.3	2111.2	2169.8	2051.9
75°	79.2	85.8	108.1	152.5	242.5	475.2	1318.5	1574.2	1668.6	1549.7
77.5°	61.1	65.2	78.7	106.7	144.2	179.7	705.7	948.7	997.5	923.4
80°	48.1	51.2	58.8	77.7	102.3	96.1	240.5	429.8	458.0	384.2
82.5°	41.7	42.9	42.2	52.7	67.9	56.2	79.0	158.6	175.1	127.0
85°	30.2	33.6	35.1	32.6	36.0	28.4	32.4	56.2	61.8	55.2
87.5°	12.3	18.1	22.3	21.1	13.2	8.1	10.1	16.4	18.9	20.6
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°
517.6	0°	517.6	517.6	517.6	517.6	517.6	517.6	517.6	517.6	517.6	517.6
517.9	2.5°	518.1	519.8	521.1	522.5	523.5	525.0	527.9	529.6	529.9	531.1
521.8	5°	522.8	525.2	527.9	531.9	536.3	539.9	545.6	549.5	551.0	552.2
531.4	7.5°	532.8	536.3	541.2	548.0	554.4	559.3	566.2	570.8	575.5	577.2
546.6	10°	547.8	552.7	559.8	569.1	576.0	582.4	589.5	593.4	598.1	600.0
564.7	12.5°	566.4	571.6	580.9	593.9	600.3	604.7	607.1	606.2	607.1	608.8
586.5	15°	587.8	593.4	603.9	617.9	622.3	618.4	613.0	608.1	607.4	607.9
613.0	17.5°	613.0	617.2	629.4	641.2	638.0	621.8	610.1	602.2	598.3	597.1
646.9	20°	648.3	648.3	658.4	665.7	644.4	616.9	598.6	585.8	577.7	574.3
693.0	22.5°	691.2	687.3	693.7	688.5	643.2	603.2	577.7	555.6	543.4	538.5
757.4	25°	745.7	741.0	739.3	707.4	634.4	581.4	539.9	513.2	502.4	499.7
850.4	27.5°	827.8	816.0	793.7	717.7	618.2	547.1	495.8	471.0	464.9	465.2
969.8	30°	937.2	913.6	859.0	719.4	591.7	498.5	450.7	433.0	430.1	431.3
1070.1	32.5°	1038.5	1016.1	925.7	711.6	551.0	450.9	410.2	398.5	394.0	395.5
1146.6	35°	1117.9	1111.8	987.4	700.6	501.0	406.3	373.9	363.9	355.3	353.3
1218.7	37.5°	1192.9	1190.5	1033.8	685.1	451.4	374.7	344.8	331.5	319.0	312.1
1298.4	40°	1275.3	1272.9	1064.2	661.3	407.5	347.2	318.5	301.1	285.7	273.2
1388.6	42.5°	1368.0	1353.5	1078.7	627.2	370.3	323.9	297.2	273.7	253.3	241.8
1490.6	45°	1469.3	1436.7	1078.4	583.8	338.9	302.6	274.4	241.0	222.2	211.4
1595.3	47.5°	1576.7	1516.1	1065.2	535.8	308.5	279.0	239.1	213.6	201.1	194.4
1709.1	50°	1687.5	1590.4	1042.6	480.6	277.3	252.3	217.0	199.6	190.0	183.9
1821.9	52.5°	1791.7	1657.8	1015.4	418.1	245.7	226.3	207.2	193.7	183.7	176.8
1931.3	55°	1888.6	1716.0	976.9	354.1	220.0	208.9	202.5	191.3	179.7	171.6
2042.3	57.5°	1974.7	1753.7	910.5	294.0	201.6	196.9	197.6	187.1	173.9	167.0
2151.7	60°	2046.3	1781.4	812.1	238.3	186.6	185.1	190.0	179.2	163.8	156.0
2244.1	62.5°	2089.2	1780.9	691.5	195.2	173.9	174.3	180.0	169.4	153.7	146.4
2292.4	65°	2085.5	1737.3	559.1	167.0	161.6	162.1	169.4	158.6	145.4	141.0
2268.2	67.5°	2011.7	1630.9	428.9	148.6	148.1	150.3	158.9	151.3	140.3	139.8
2123.5	70°	1811.8	1409.9	309.0	133.9	134.1	137.3	148.6	146.6	137.6	138.5
1785.4	72.5°	1452.9	1075.0	207.4	118.4	118.7	123.8	138.8	143.0	134.9	147.9
1266.7	75°	967.6	670.4	133.4	102.0	102.3	108.9	130.2	135.8	127.5	147.4
659.1	77.5°	464.9	301.4	96.6	85.8	85.8	92.0	112.6	121.6	108.6	114.5
211.9	80°	160.6	113.3	76.0	69.1	67.7	71.8	94.9	105.4	93.7	86.3
69.1	82.5°	63.3	58.8	61.1	53.7	48.8	51.5	73.8	87.0	68.9	62.3
39.0	85°	36.3	38.3	43.2	35.6	28.2	31.6	54.2	62.5	52.0	45.9
12.8	87.5°	9.8	13.5	19.9	18.4	12.8	13.5	25.7	34.6	29.9	23.0
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

<u>180°</u>
517.6
530.9
552.0
577.5
601.0
609.3
609.6
598.8
573.5
537.7
500.2
465.9
435.5
397.5
354.8
312.4
274.4
242.5
210.9
193.0
181.7
173.9
168.5
162.6
152.5
144.2
140.7
140.5
138.3
149.8
148.6
104.9
80.9
62.0
46.8
23.8
0.0

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