

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: P852103

Luminaire Tested: **GLAN-SB1B-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852103
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4951 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

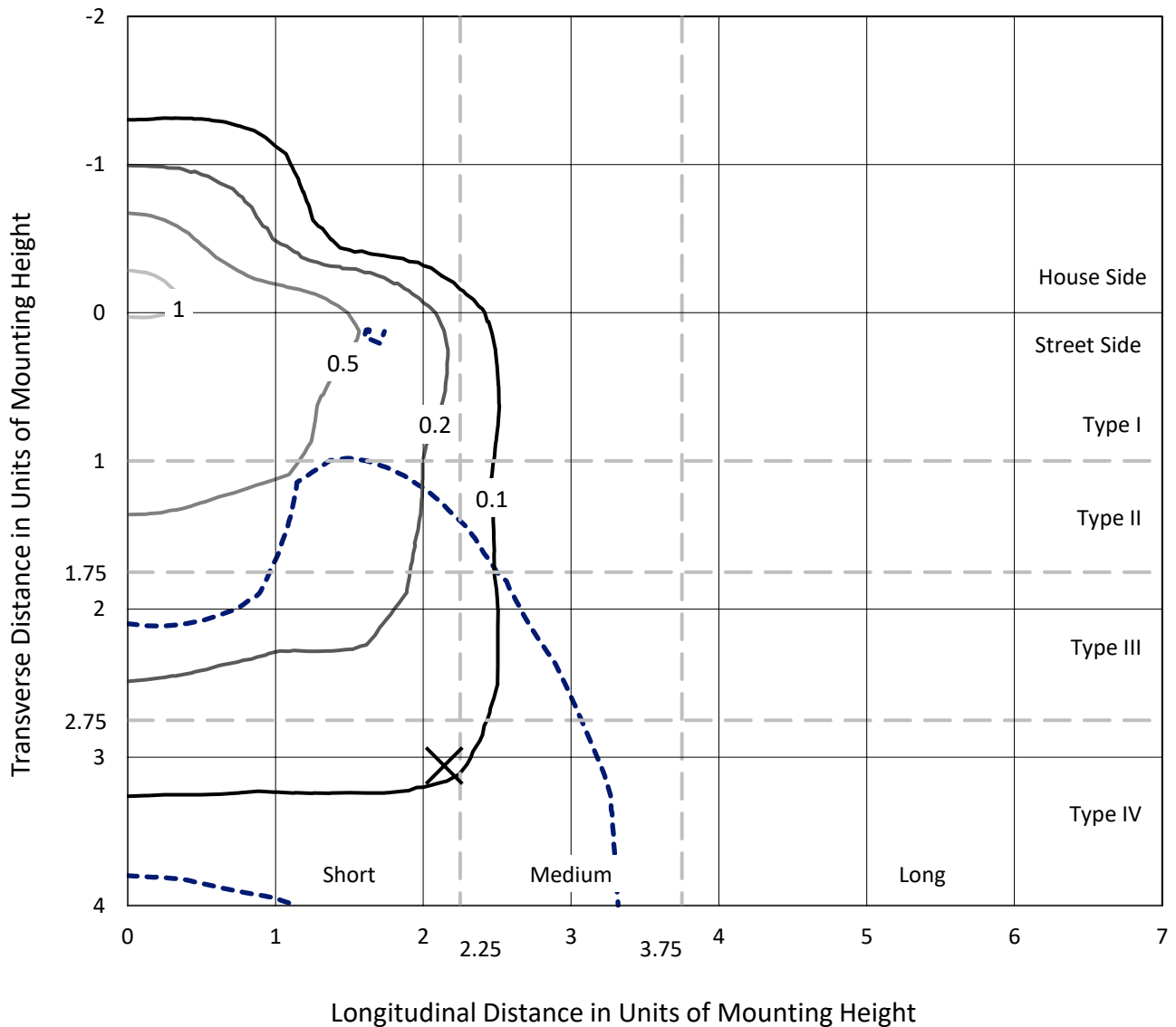
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

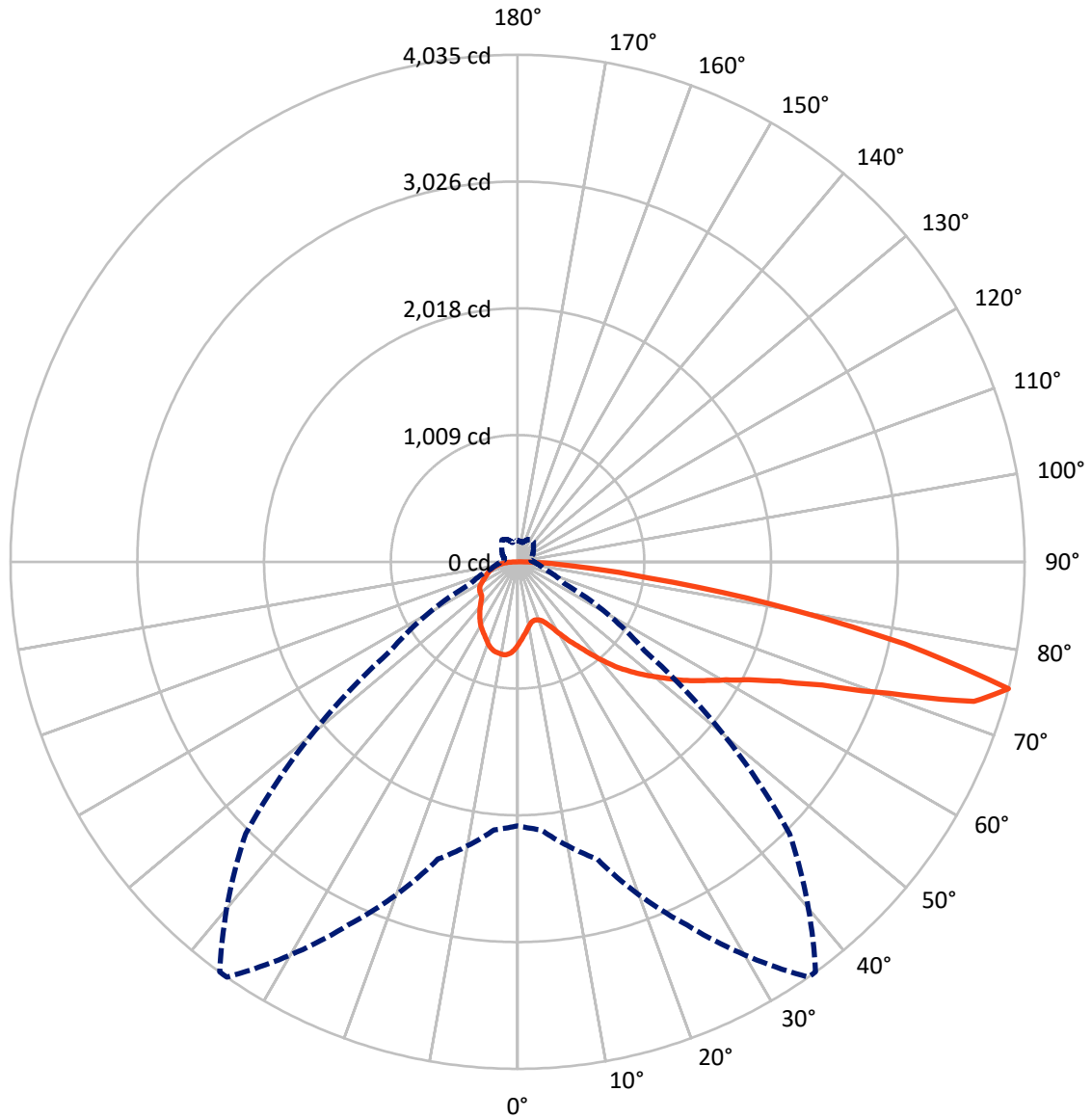
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1178.2	0.0	1178.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3772.8	0.0	3772.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	4951.0	0.0	4951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.3
10°-20°	180.2	3.6
20°-30°	302.6	6.1
30°-40°	470.2	9.5
40°-50°	697.9	14.1
50°-60°	963.6	19.5
60°-70°	1169.0	23.6
70°-80°	966.1	19.5
80°-90°	139.0	2.8
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°	4951.0	100.0
0°-180°	4951.0	100.0

Coefficient of Utilization



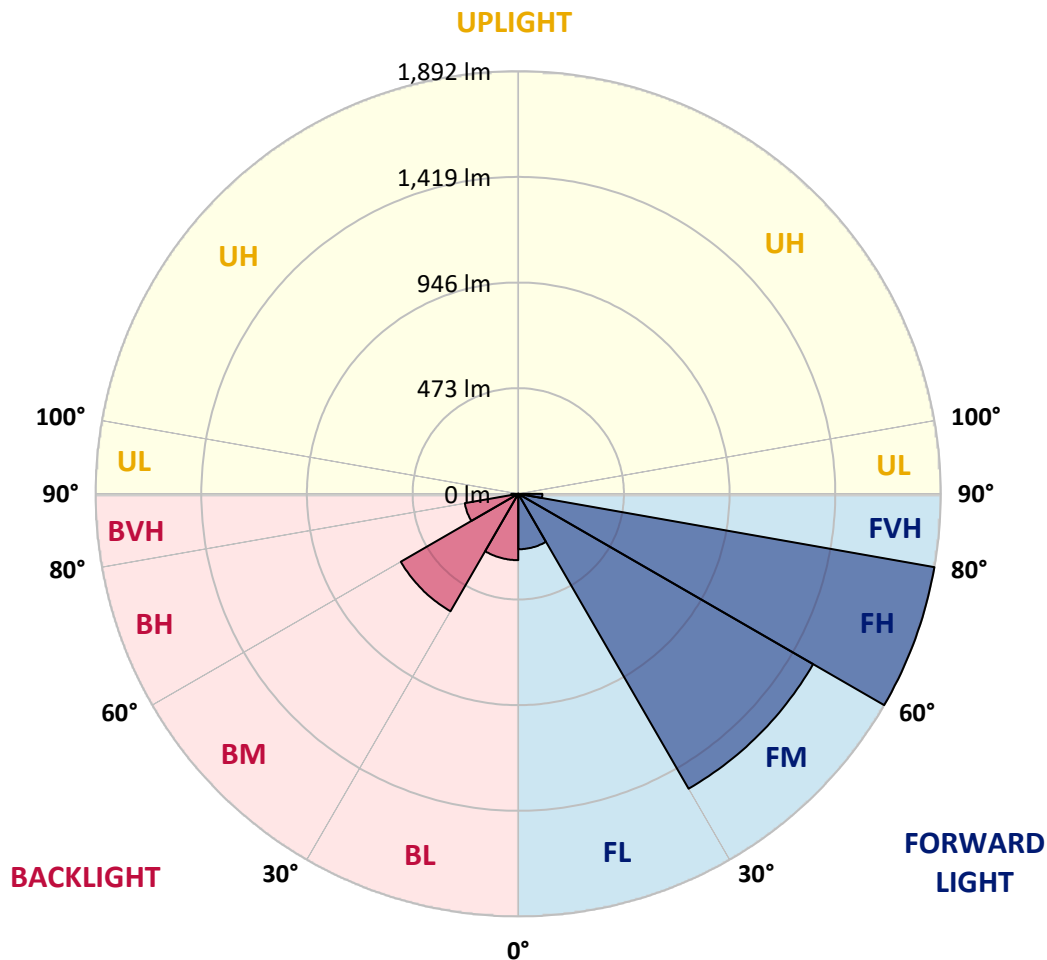
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	248.3	5.0			
FM (30°-60°)	1524.6	30.8			
FH (60°-80°)	1892.2	38.2			G2/5000
FVH (80°-90°)	107.7	2.2			G2/225
BL (0°-30°)	296.9	6.0	B1/500		
BM (30°-60°)	607.1	12.3	B1/1000		
BH (60°-80°)	242.9	4.9	B1/500		G1/500
BVH (80°-90°)	31.3	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-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	659.8	659.8	659.8	659.8	659.8	659.8	659.8	659.8	659.8	659.8
2.5°	608.4	612.1	613.7	612.9	616.9	616.4	622.0	629.0	638.6	648.0
5°	561.5	565.5	569.0	572.2	580.0	582.4	591.2	604.6	622.3	640.2
7.5°	517.9	521.4	526.7	532.6	545.7	548.1	562.9	583.7	608.4	634.6
10°	482.3	485.8	491.4	498.1	514.4	517.4	536.1	563.9	596.1	629.2
12.5°	467.0	468.1	471.3	478.0	492.2	494.1	514.7	546.5	584.0	625.2
15°	466.2	468.4	468.7	472.1	483.9	484.7	503.7	535.3	576.5	624.4
17.5°	474.3	475.9	473.5	475.6	485.5	486.9	501.8	529.9	574.1	627.9
20°	495.7	497.0	489.8	486.9	494.1	495.2	509.9	533.4	576.5	635.1
22.5°	541.2	542.0	524.3	512.3	512.8	513.4	526.2	547.6	585.9	648.2
25°	612.1	611.6	583.5	560.2	546.8	543.9	552.4	570.6	601.7	665.6
27.5°	695.1	691.1	663.0	628.2	599.0	594.7	592.8	600.6	624.2	688.7
30°	788.8	785.0	754.8	709.3	668.9	661.9	644.2	640.2	657.6	720.0
32.5°	891.5	889.1	853.0	797.9	743.8	735.8	706.1	695.4	709.0	767.3
35°	977.7	975.6	945.6	888.9	822.8	812.8	782.6	770.6	777.5	828.1
37.5°	1055.6	1054.5	1028.8	984.1	915.9	903.8	869.9	865.8	864.5	908.1
40°	1127.9	1125.2	1098.4	1074.9	1024.3	1013.3	983.3	979.9	969.7	1006.6
42.5°	1207.9	1200.9	1162.1	1151.2	1137.5	1128.4	1110.5	1111.0	1088.5	1117.7
45°	1273.2	1269.2	1229.3	1222.9	1237.6	1233.9	1249.4	1253.4	1209.8	1234.1
47.5°	1343.3	1339.6	1305.9	1301.3	1341.2	1342.3	1397.1	1398.5	1328.1	1355.1
50°	1429.8	1424.4	1391.0	1396.6	1441.3	1445.3	1545.7	1536.6	1437.0	1478.0
52.5°	1486.8	1490.0	1482.8	1491.9	1552.9	1556.6	1691.8	1668.5	1544.9	1599.2
55°	1528.8	1535.2	1557.7	1578.6	1670.7	1674.4	1829.6	1794.0	1634.3	1711.6
57.5°	1582.9	1573.8	1615.8	1656.5	1782.5	1792.4	1963.7	1915.0	1713.5	1808.5
60°	1660.5	1654.1	1686.7	1746.9	1907.8	1923.6	2105.6	2024.0	1771.6	1885.3
62.5°	1817.9	1801.8	1806.9	1860.2	2065.7	2086.6	2265.6	2119.0	1800.5	1915.3
65°	2053.1	2025.6	1999.9	2036.8	2288.1	2308.7	2446.3	2193.6	1789.8	1857.2
67.5°	2349.4	2322.1	2290.5	2325.3	2615.7	2632.1	2669.3	2235.7	1705.5	1633.5
70°	2593.8	2583.6	2621.4	2764.5	3139.0	3139.5	2955.1	2200.9	1474.5	1158.1
72.5°	2561.4	2555.2	2754.1	3196.8	3798.5	3784.3	3225.7	1937.5	993.2	522.5
75°	2101.3	2141.2	2449.3	3189.0	4035.3	4033.5	3060.0	1231.7	410.8	216.5
77.5°	1126.8	1190.0	1590.1	2354.5	3150.2	3197.6	2151.4	430.9	176.4	138.6
80°	367.5	422.6	633.8	1198.8	2047.0	2038.1	922.1	169.2	120.7	98.2
82.5°	156.0	162.5	283.2	566.1	1050.5	1034.2	293.6	97.2	84.8	67.2
85°	61.0	68.3	125.0	261.8	455.0	445.1	106.0	48.2	54.3	43.9
87.5°	20.1	24.4	44.7	89.7	141.6	136.5	26.0	16.6	23.6	20.1
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°
659.8	0°	659.8	659.8	659.8	659.8	659.8	659.8	659.8	659.8	659.8	659.8
661.6	2.5°	665.4	669.7	674.7	682.2	688.7	694.0	699.6	703.1	704.5	708.5
662.7	5°	670.2	679.6	692.1	704.5	716.5	723.7	730.1	733.4	736.3	738.4
665.6	7.5°	678.2	690.3	710.1	726.1	736.3	742.2	746.5	745.4	746.5	747.0
668.9	10°	685.2	702.0	725.6	740.9	748.6	748.9	747.8	744.1	742.2	742.5
673.7	12.5°	693.5	712.2	737.6	750.5	752.6	746.7	742.2	735.8	733.4	732.3
680.9	15°	704.7	726.1	750.8	755.6	750.2	742.7	735.0	724.5	719.2	714.9
693.2	17.5°	718.4	741.9	760.9	757.4	745.9	733.6	721.0	705.3	694.3	689.7
710.1	20°	737.4	758.5	768.7	753.4	736.0	717.3	695.9	676.6	666.4	661.9
731.5	22.5°	760.4	780.7	776.2	746.5	721.8	691.9	665.1	650.9	645.8	642.6
759.1	25°	788.0	805.4	781.5	736.3	698.6	658.1	637.5	633.0	630.6	628.2
792.8	27.5°	823.8	833.2	785.5	721.3	662.2	622.3	614.8	615.6	614.8	610.8
839.6	30°	871.2	869.3	789.3	697.0	620.4	589.9	590.4	593.9	594.4	591.8
904.9	32.5°	933.6	914.6	791.2	665.4	580.5	561.5	562.1	565.8	568.5	563.9
990.3	35°	1009.0	967.3	788.2	625.8	549.8	534.5	530.5	531.6	532.4	528.1
1093.9	37.5°	1097.1	1026.4	775.1	581.9	524.3	508.0	499.4	492.2	487.9	483.9
1211.1	40°	1193.7	1090.9	751.0	539.0	496.0	479.9	467.0	453.4	438.9	433.6
1335.3	42.5°	1294.9	1157.3	721.8	498.1	463.3	450.2	436.5	416.7	395.0	384.1
1464.3	45°	1399.8	1225.3	693.2	457.7	429.8	424.2	408.4	384.6	361.1	347.1
1593.6	47.5°	1502.6	1289.5	651.2	417.0	398.5	404.7	392.4	370.4	344.2	322.2
1721.8	50°	1600.8	1349.8	582.4	375.8	373.1	398.8	387.0	355.4	325.5	297.4
1847.6	52.5°	1698.2	1398.5	494.3	338.3	359.5	397.2	380.1	345.3	308.6	279.2
1965.9	55°	1780.9	1423.6	409.5	306.2	339.6	383.5	371.8	333.2	284.8	253.5
2047.0	57.5°	1828.0	1403.3	338.8	274.6	312.3	361.1	357.6	307.5	256.4	232.3
2062.8	60°	1807.7	1320.8	281.0	247.0	286.4	336.7	333.0	282.1	234.7	212.0
1978.2	62.5°	1695.6	1163.7	235.3	223.0	262.8	311.8	308.3	262.6	218.1	196.2
1753.6	65°	1469.7	946.7	199.7	202.9	239.0	281.8	286.9	246.2	205.0	183.6
1356.7	67.5°	1120.9	685.7	171.8	185.5	215.7	252.4	267.1	234.5	194.0	173.7
785.0	70°	638.9	389.4	148.3	168.6	195.1	225.1	251.9	225.1	182.3	165.4
294.1	72.5°	242.2	178.8	128.2	151.8	175.3	202.1	235.0	210.4	168.6	156.0
152.0	75°	129.3	108.9	107.9	132.0	152.6	179.6	213.9	195.9	158.4	164.9
105.2	77.5°	88.1	77.1	90.2	112.9	127.7	154.7	191.4	174.0	137.3	136.8
72.8	80°	61.0	54.6	73.3	91.0	98.8	130.1	167.0	149.3	111.9	104.4
45.0	82.5°	36.7	35.6	54.9	68.0	69.9	100.4	138.4	125.3	91.5	79.8
26.8	85°	20.1	21.1	35.1	39.9	40.7	70.1	108.4	96.9	70.4	59.2
9.6	87.5°	5.6	7.2	12.8	15.8	19.5	36.4	64.5	57.5	35.3	24.6
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

<u>180°</u>
659.8
708.2
739.0
747.8
743.0
731.8
716.2
690.0
661.4
643.2
628.2
611.6
593.1
566.1
531.0
486.6
436.0
385.4
346.1
319.8
294.9
275.9
250.8
229.1
208.8
192.7
180.1
170.5
163.3
153.9
170.2
126.1
99.8
80.3
59.7
24.6
0.0

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