

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: P852055

Luminaire Tested: **GLAN-SB1A-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852055
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-SB1A-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4352 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

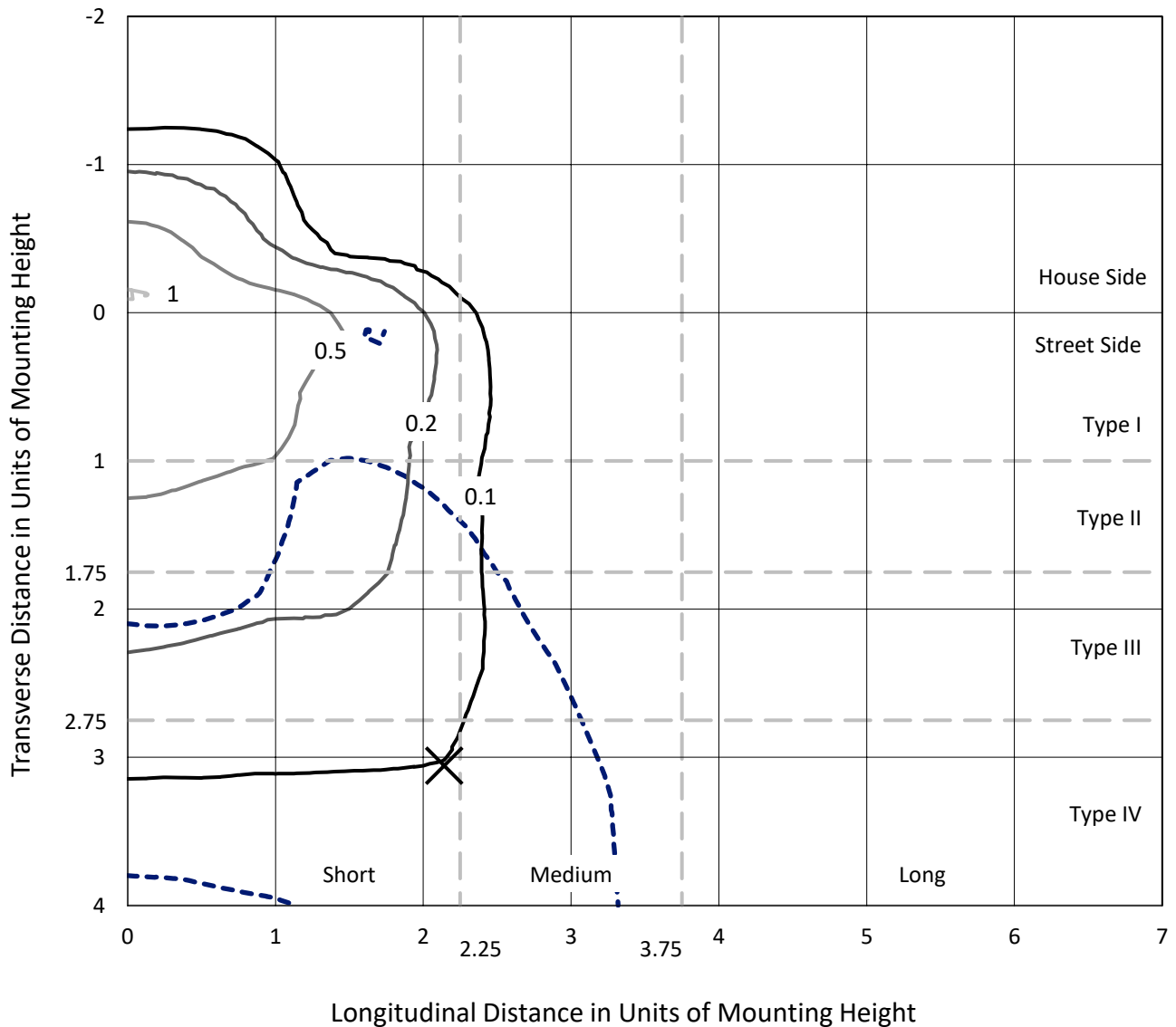
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

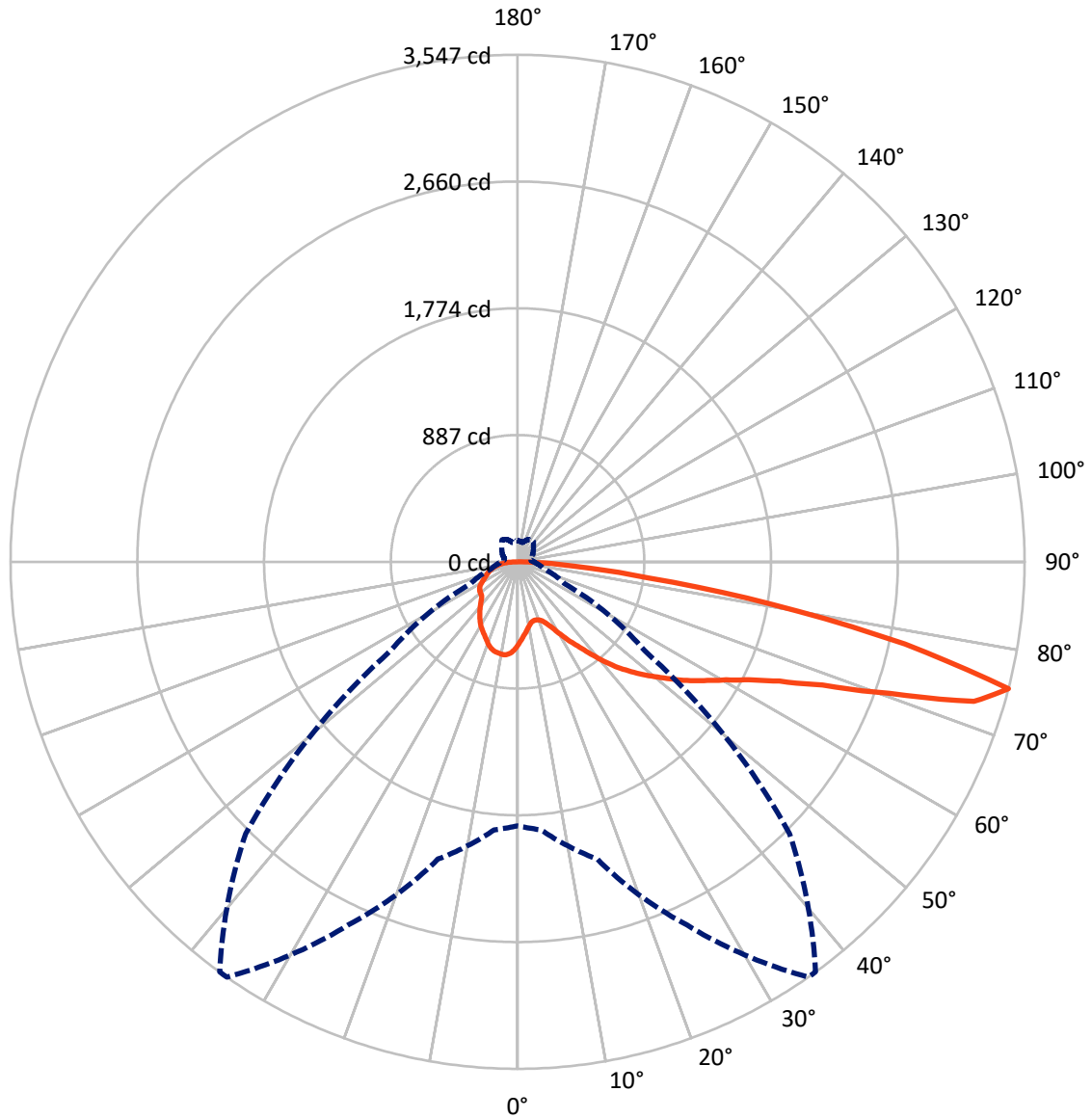
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	1035.7	0.0	1035.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3316.3	0.0	3316.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	4352.0	0.0	4352.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.9	1.3
10°-20°	158.4	3.6
20°-30°	266.0	6.1
30°-40°	413.3	9.5
40°-50°	613.5	14.1
50°-60°	847.0	19.5
60°-70°	1027.6	23.6
70°-80°	849.2	19.5
80°-90°	122.1	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°	4352.0	100.0
0°-180°	4352.0	100.0

Coefficient of Utilization

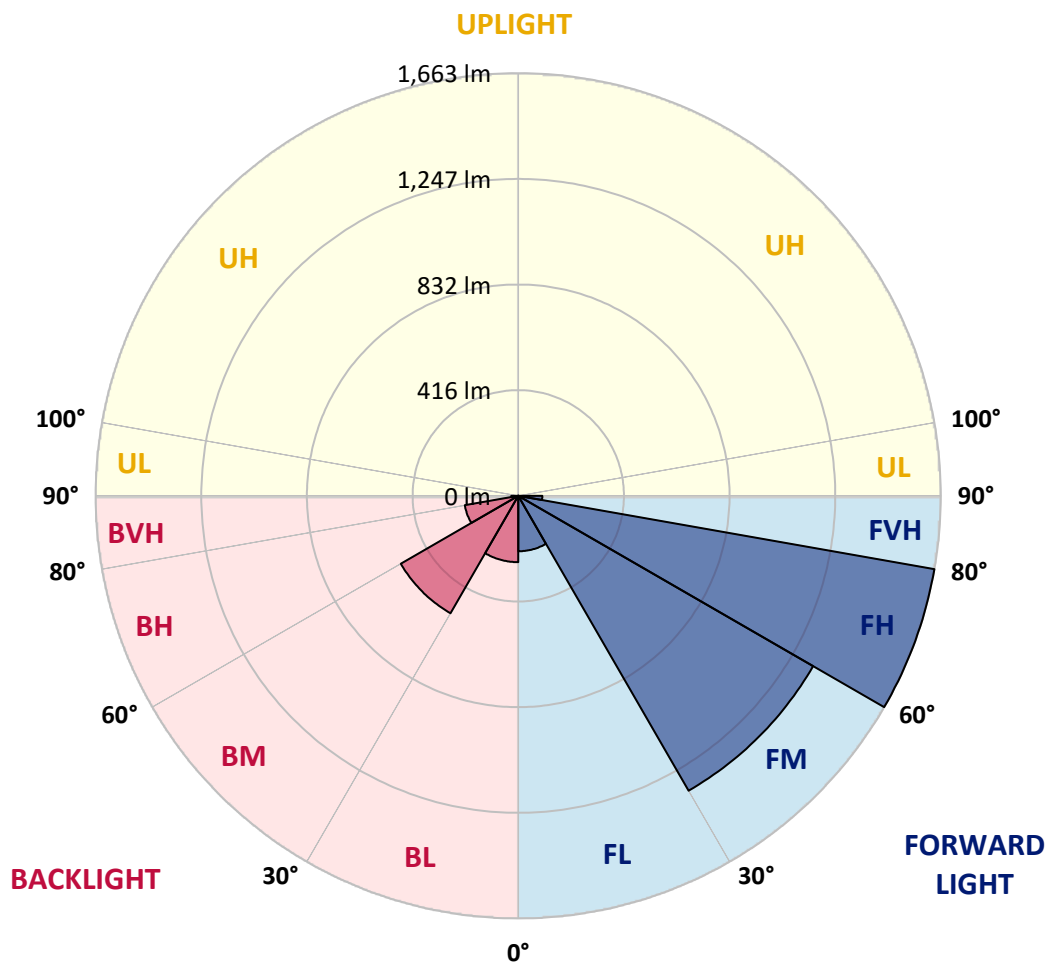


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.2	5.0			
FM (30°-60°)	1340.2	30.8			
FH (60°-80°)	1663.3	38.2			G1/1800
FVH (80°-90°)	94.6	2.2			G1/100
BL (0°-30°)	261.0	6.0	B1/500		
BM (30°-60°)	533.6	12.3	B1/1000		
BH (60°-80°)	213.5	4.9	B1/500		G1/500
BVH (80°-90°)	27.5	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9
2.5°	534.8	538.1	539.5	538.8	542.3	541.8	546.8	552.9	561.3	569.6
5°	493.6	497.1	500.2	503.0	509.8	511.9	519.7	531.5	547.0	562.8
7.5°	455.2	458.3	463.0	468.2	479.7	481.8	494.8	513.1	534.8	557.8
10°	424.0	427.0	432.0	437.8	452.2	454.8	471.2	495.7	523.9	553.1
12.5°	410.5	411.5	414.3	420.2	432.7	434.3	452.4	480.4	513.4	549.6
15°	409.8	411.7	412.0	415.0	425.4	426.1	442.8	470.5	506.8	548.9
17.5°	416.9	418.3	416.2	418.1	426.8	428.0	441.1	465.8	504.6	551.9
20°	435.7	436.9	430.5	428.0	434.3	435.2	448.2	468.9	506.8	558.3
22.5°	475.7	476.4	460.9	450.3	450.8	451.2	462.5	481.4	515.0	569.8
25°	538.1	537.6	512.9	492.4	480.7	478.1	485.6	501.6	528.9	585.1
27.5°	611.0	607.5	582.8	552.2	526.5	522.8	521.1	527.9	548.6	605.3
30°	693.3	690.0	663.5	623.5	587.9	581.8	566.3	562.8	578.1	632.9
32.5°	783.7	781.6	749.8	701.3	653.8	646.7	620.6	611.2	623.2	674.5
35°	859.4	857.5	831.2	781.3	723.2	714.5	687.9	677.3	683.5	727.9
37.5°	927.9	927.0	904.4	865.1	805.1	794.5	764.6	761.1	759.9	798.3
40°	991.4	989.1	965.5	944.8	900.4	890.7	864.4	861.3	852.4	884.8
42.5°	1061.8	1055.6	1021.5	1011.9	999.9	991.9	976.1	976.6	956.8	982.5
45°	1119.2	1115.6	1080.6	1074.9	1087.9	1084.6	1098.2	1101.8	1063.4	1084.8
47.5°	1180.8	1177.5	1147.9	1143.9	1178.9	1179.9	1228.1	1229.3	1167.4	1191.2
50°	1256.8	1252.1	1222.7	1227.6	1266.9	1270.4	1358.7	1350.7	1263.1	1299.1
52.5°	1306.9	1309.7	1303.4	1311.4	1365.0	1368.3	1487.1	1466.7	1358.0	1405.7
55°	1343.8	1349.5	1369.3	1387.6	1468.5	1471.8	1608.3	1577.0	1436.5	1504.5
57.5°	1391.4	1383.4	1420.3	1456.1	1566.9	1575.6	1726.2	1683.3	1506.2	1589.7
60°	1459.6	1454.0	1482.7	1535.6	1677.0	1690.9	1850.8	1779.1	1557.2	1657.2
62.5°	1597.9	1583.8	1588.3	1635.1	1815.8	1834.1	1991.5	1862.6	1582.6	1683.6
65°	1804.7	1780.5	1757.9	1790.4	2011.3	2029.4	2150.3	1928.2	1573.2	1632.5
67.5°	2065.2	2041.2	2013.4	2044.0	2299.3	2313.6	2346.3	1965.2	1499.1	1435.8
70°	2280.0	2271.0	2304.2	2430.1	2759.2	2759.7	2597.6	1934.6	1296.1	1018.0
72.5°	2251.5	2246.1	2420.9	2810.0	3338.9	3326.4	2835.4	1703.1	873.1	459.2
75°	1847.1	1882.1	2152.9	2803.2	3547.1	3545.5	2689.8	1082.7	361.1	190.3
77.5°	990.5	1046.0	1397.7	2069.6	2769.1	2810.7	1891.1	378.8	155.0	121.9
80°	323.0	371.5	557.1	1053.8	1799.3	1791.6	810.5	148.7	106.1	86.3
82.5°	137.2	142.8	248.9	497.6	923.4	909.1	258.1	85.4	74.6	59.1
85°	53.6	60.0	109.9	230.1	400.0	391.2	93.2	42.3	47.8	38.6
87.5°	17.6	21.4	39.3	78.8	124.5	120.0	22.8	14.6	20.7	17.6
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°
579.9	0°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9
581.6	2.5°	584.9	588.6	593.1	599.7	605.3	610.0	615.0	618.0	619.2	622.8
582.5	5°	589.1	597.3	608.4	619.2	629.8	636.2	641.8	644.6	647.2	649.1
585.1	7.5°	596.2	606.8	624.2	638.3	647.2	652.4	656.2	655.2	656.2	656.6
587.9	10°	602.3	617.1	637.8	651.2	658.0	658.3	657.3	654.0	652.4	652.6
592.2	12.5°	609.6	626.0	648.4	659.7	661.6	656.4	652.4	646.7	644.6	643.7
598.5	15°	619.5	638.3	659.9	664.2	659.5	652.9	646.0	636.9	632.2	628.4
609.3	17.5°	631.5	652.2	668.9	665.8	655.7	644.9	633.8	619.9	610.3	606.3
624.2	20°	648.2	666.7	675.7	662.3	647.0	630.5	611.7	594.8	585.8	581.8
643.0	22.5°	668.4	686.3	682.3	656.2	634.5	608.2	584.6	572.2	567.7	564.9
667.2	25°	692.6	707.9	687.0	647.2	614.0	578.5	560.4	556.4	554.3	552.2
696.9	27.5°	724.2	732.4	690.5	634.0	582.1	547.0	540.4	541.1	540.4	536.9
738.0	30°	765.8	764.1	693.8	612.6	545.3	518.5	519.0	522.1	522.5	520.2
795.4	32.5°	820.6	803.9	695.4	584.9	510.3	493.6	494.1	497.4	499.7	495.7
870.5	35°	887.0	850.3	692.9	550.1	483.2	469.8	466.3	467.2	467.9	464.2
961.5	37.5°	964.4	902.2	681.3	511.5	460.9	446.5	439.0	432.7	428.9	425.4
1064.6	40°	1049.3	958.9	660.2	473.8	435.9	421.8	410.5	398.5	385.8	381.1
1173.7	42.5°	1138.2	1017.3	634.5	437.8	407.2	395.7	383.7	366.3	347.3	337.6
1287.1	45°	1230.4	1077.1	609.3	402.3	377.8	372.9	359.0	338.1	317.4	305.1
1400.8	47.5°	1320.8	1133.5	572.4	366.5	350.3	355.7	344.9	325.6	302.6	283.3
1513.5	50°	1407.1	1186.5	511.9	330.3	328.0	350.5	340.2	312.4	286.1	261.4
1624.0	52.5°	1492.8	1229.3	434.5	297.4	316.0	349.1	334.1	303.5	271.3	245.4
1728.0	55°	1565.5	1251.4	360.0	269.1	298.6	337.1	326.8	292.9	250.3	222.8
1799.3	57.5°	1606.9	1233.5	297.8	241.4	274.6	317.4	314.3	270.3	225.4	204.2
1813.2	60°	1589.0	1161.0	247.0	217.2	251.7	296.0	292.7	248.0	206.3	186.3
1738.9	62.5°	1490.4	1022.9	206.8	196.0	231.0	274.1	271.0	230.8	191.7	172.5
1541.5	65°	1291.9	832.1	175.5	178.3	210.1	247.7	252.2	216.4	180.2	161.4
1192.6	67.5°	985.3	602.8	151.0	163.0	189.6	221.9	234.8	206.1	170.6	152.7
690.0	70°	561.6	342.3	130.3	148.2	171.5	197.9	221.4	197.9	160.2	145.4
258.6	72.5°	212.9	157.2	112.7	133.4	154.1	177.6	206.6	184.9	148.2	137.2
133.6	75°	113.6	95.8	94.8	116.0	134.1	157.9	188.0	172.2	139.3	144.9
92.5	77.5°	77.4	67.8	79.3	99.3	112.2	136.0	168.2	152.9	120.7	120.2
64.0	80°	53.6	48.0	64.5	80.0	86.8	114.3	146.8	131.3	98.3	91.8
39.5	82.5°	32.2	31.3	48.2	59.8	61.4	88.2	121.6	110.1	80.5	70.1
23.5	85°	17.6	18.6	30.8	35.1	35.8	61.6	95.3	85.2	61.9	52.0
8.5	87.5°	4.9	6.4	11.3	13.9	17.2	32.0	56.7	50.6	31.1	21.6
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°
579.9
622.5
649.6
657.3
653.1
643.2
629.6
606.5
581.3
565.3
552.2
537.6
521.4
497.6
466.8
427.7
383.3
338.8
304.2
281.1
259.3
242.6
220.4
201.4
183.5
169.4
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