

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: P845957

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845957
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
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-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3658 lumens
Efficiency: N/A
Efficacy: 91.9 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

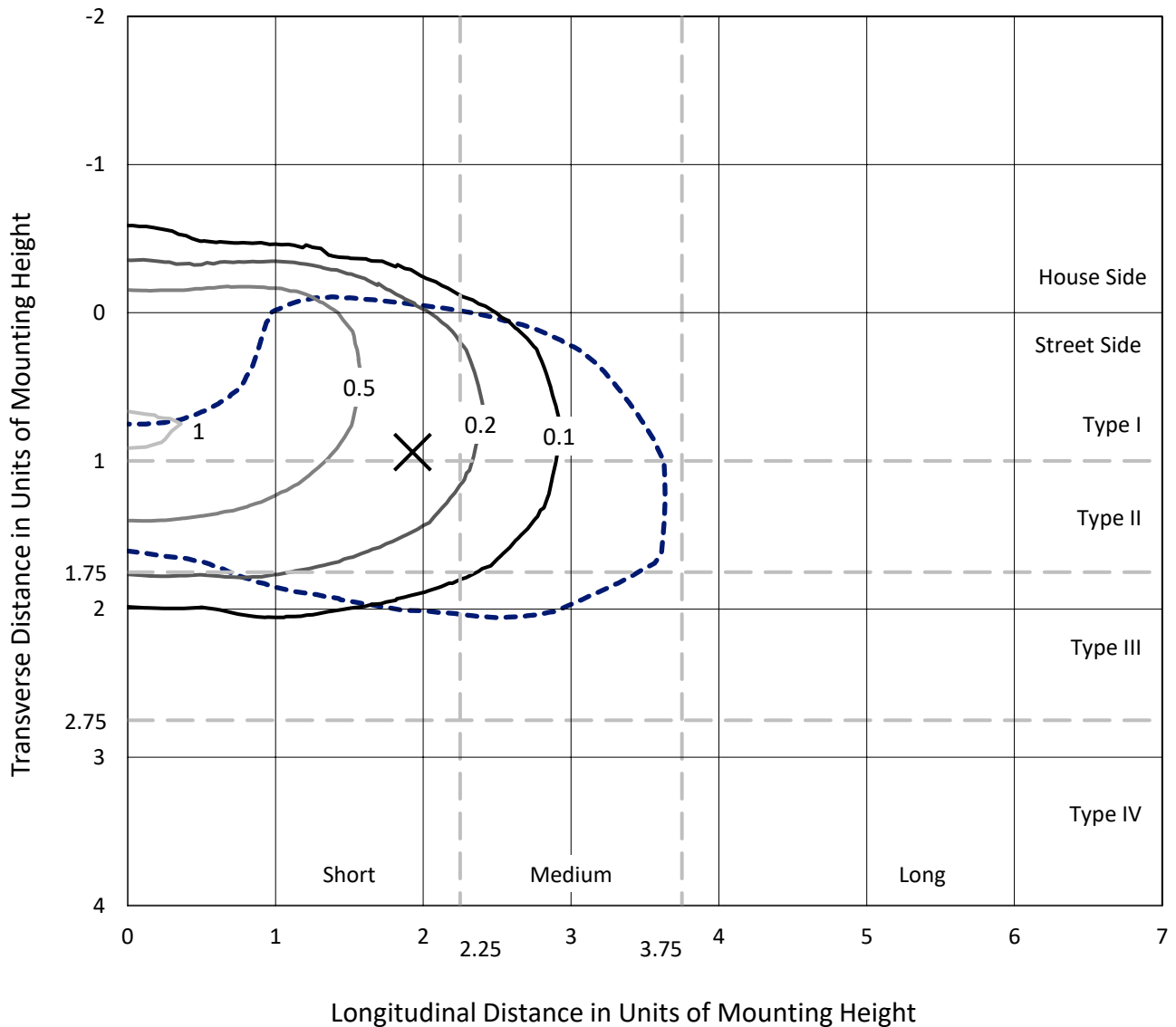
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

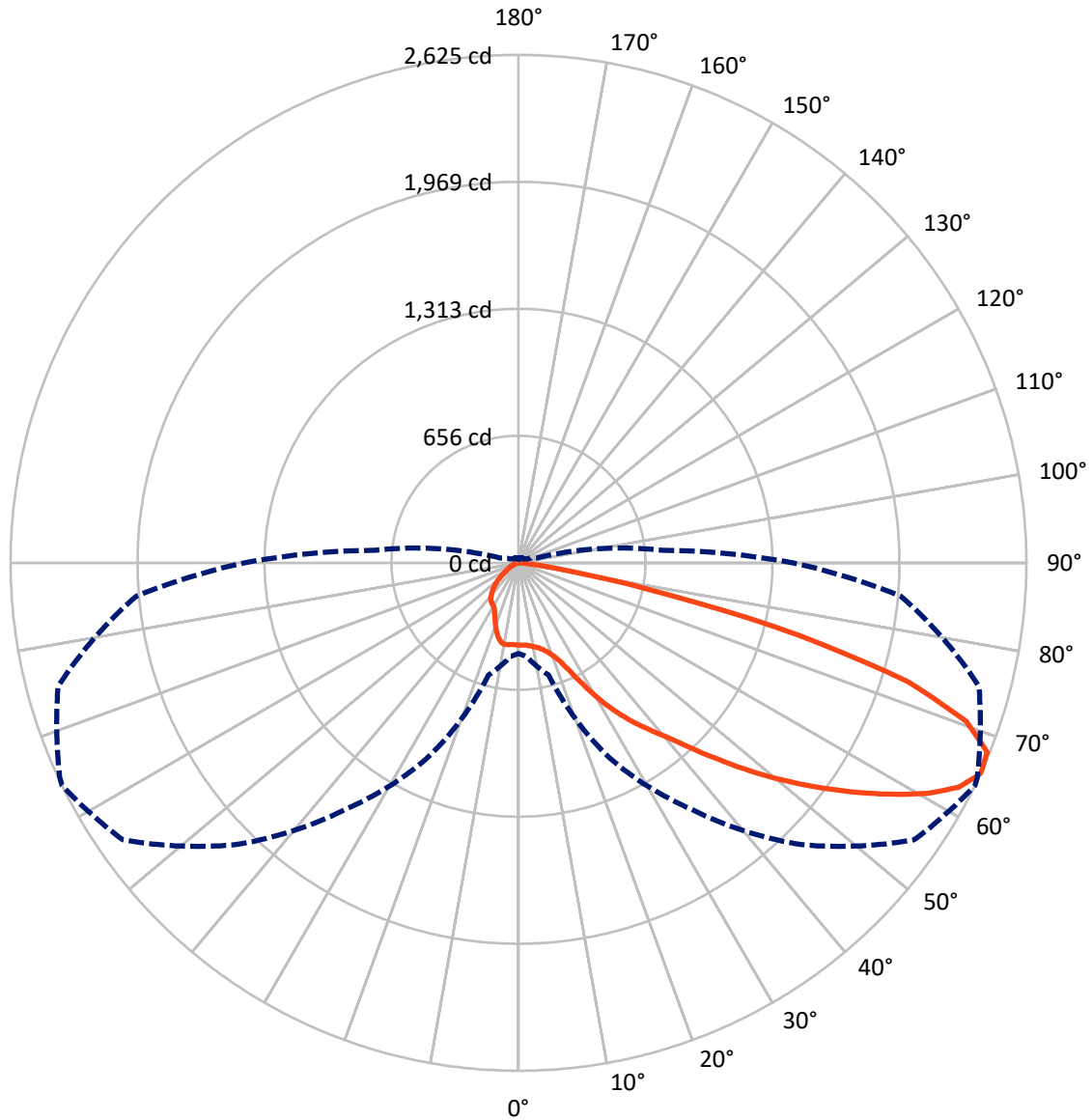
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	489.2	0.0	489.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3168.8	0.0	3168.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	3658.0	0.0	3658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.3	1.1
10°-20°	106.5	2.9
20°-30°	201.7	5.5
30°-40°	408.2	11.2
40°-50°	695.4	19.0
50°-60°	945.7	25.9
60°-70°	888.1	24.3
70°-80°	355.8	9.7
80°-90°	17.2	0.5
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°	3658.0	100.0
0°-180°	3658.0	100.0

Coefficient of Utilization



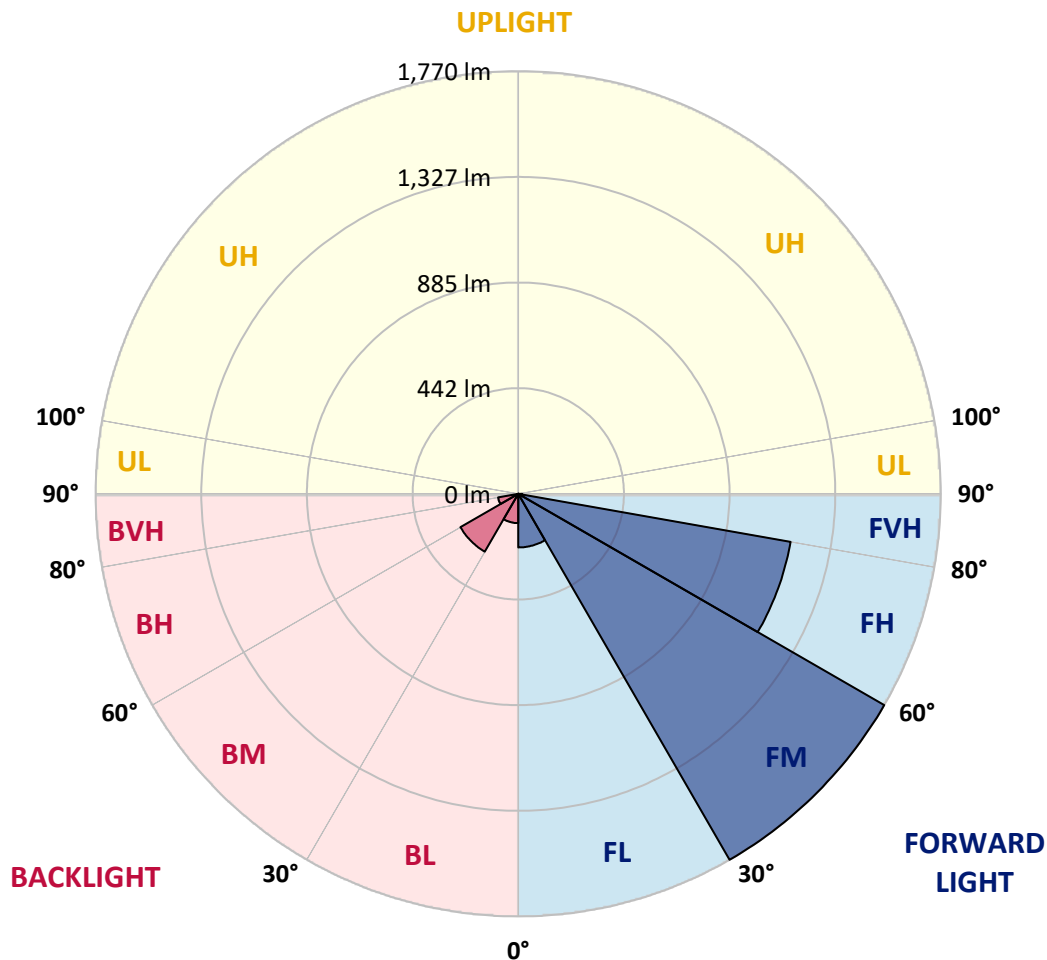
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.6	6.1			
FM (30°-60°)	1769.7	48.4			
FH (60°-80°)	1158.0	31.7			G1/1800
FVH (80°-90°)	16.4	0.4			G1/100
BL (0°-30°)	122.8	3.4	B1/500		
BM (30°-60°)	279.7	7.6	B1/1000		
BH (60°-80°)	85.9	2.3	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
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°	64°	65°	75°
0°	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5
2.5°	424.0	426.9	426.2	425.5	425.2	425.7	426.0	425.7	425.7	425.7
5°	415.9	418.4	418.4	420.1	422.5	425.5	427.7	428.2	428.7	429.4
7.5°	400.5	402.4	403.9	409.5	415.7	423.5	430.1	433.6	434.0	436.7
10°	389.9	392.4	394.8	400.7	409.5	421.3	432.6	440.9	442.1	448.5
12.5°	389.4	391.9	395.1	401.4	411.7	424.2	438.0	450.0	452.2	461.5
15°	394.6	397.5	400.5	408.3	419.3	434.5	449.3	464.2	466.4	479.7
17.5°	405.1	409.0	411.2	419.1	430.9	447.8	467.2	484.3	486.3	501.7
20°	426.0	430.6	431.3	437.7	449.3	467.4	490.4	511.8	514.2	531.9
22.5°	469.1	475.7	469.8	473.0	483.3	501.5	526.5	553.5	556.9	577.0
25°	545.1	554.5	539.2	533.9	538.3	557.1	588.5	622.6	626.5	642.7
27.5°	694.5	682.5	659.4	636.8	623.6	634.4	669.7	711.9	716.8	732.5
30°	858.5	848.0	816.8	766.8	735.4	733.7	766.3	813.4	819.0	834.0
32.5°	1022.8	1012.8	978.9	917.4	862.9	836.0	858.5	910.8	913.7	923.3
35°	1184.4	1174.1	1140.3	1077.3	1010.3	949.0	944.6	1003.5	1004.4	1014.5
37.5°	1347.0	1338.4	1302.4	1240.6	1174.6	1090.0	1049.1	1091.2	1092.5	1102.3
40°	1463.0	1466.7	1441.9	1394.1	1337.5	1245.0	1166.3	1184.7	1177.3	1193.7
42.5°	1562.6	1569.9	1548.3	1524.3	1491.5	1410.0	1311.5	1308.3	1296.5	1305.3
45°	1648.6	1654.8	1635.4	1629.8	1629.0	1571.9	1470.1	1451.0	1434.6	1432.8
47.5°	1680.3	1692.0	1700.4	1719.3	1756.0	1732.0	1634.2	1604.5	1586.1	1572.6
50°	1692.3	1704.8	1733.2	1788.2	1875.2	1885.5	1797.5	1764.1	1741.6	1717.1
52.5°	1676.1	1698.4	1736.7	1829.1	1955.4	2008.6	1954.2	1925.0	1899.3	1859.3
55°	1580.7	1603.0	1681.3	1828.6	1995.4	2094.9	2102.3	2089.3	2060.4	1997.3
57.5°	1379.6	1412.7	1536.6	1766.3	1994.7	2169.3	2247.5	2256.8	2224.4	2134.2
60°	1101.1	1145.9	1297.0	1628.3	1933.1	2209.5	2374.7	2421.3	2387.0	2269.1
62.5°	768.3	820.3	963.2	1412.0	1792.3	2180.5	2467.7	2553.8	2527.8	2389.7
65°	468.6	485.3	600.6	1111.1	1553.0	2059.4	2496.4	2625.4	2616.8	2463.5
67.5°	312.2	326.1	359.3	761.9	1205.5	1817.4	2427.7	2612.9	2615.3	2451.5
70°	188.1	200.1	221.7	443.1	781.3	1438.5	2215.1	2453.5	2467.7	2290.9
72.5°	77.5	85.6	105.2	200.8	404.6	913.0	1763.9	2106.5	2139.6	1926.2
75°	43.9	48.1	61.8	100.8	175.6	425.5	1068.4	1495.4	1544.2	1327.6
77.5°	29.2	31.1	40.0	65.2	98.8	145.2	456.6	779.1	872.3	725.1
80°	19.6	21.3	27.5	43.6	64.2	62.3	145.4	288.6	355.1	249.1
82.5°	13.2	13.5	19.6	28.7	40.7	30.2	42.9	89.8	112.8	72.1
85°	7.6	7.4	14.5	16.7	18.1	12.5	13.0	27.0	35.3	30.4
87.5°	1.0	1.5	5.6	4.4	2.5	2.7	2.7	4.7	6.9	7.4
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°
425.5	0°	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5	425.5
426.0	2.5°	426.0	425.7	425.0	424.2	422.5	421.5	422.0	421.5	421.3	421.5
429.1	5°	429.1	428.4	426.4	424.0	420.6	416.4	413.7	409.8	406.1	403.9
437.7	7.5°	437.7	437.0	434.3	427.4	416.4	399.0	383.0	369.1	358.5	352.4
451.5	10°	451.5	450.2	446.1	430.9	401.9	363.9	332.3	306.0	288.9	280.8
467.6	12.5°	467.6	466.2	458.8	427.7	374.5	315.1	271.5	242.3	226.3	219.2
486.3	15°	486.8	484.8	470.3	412.5	334.5	261.2	221.2	199.4	189.1	182.7
510.1	17.5°	510.6	507.1	478.9	389.7	291.1	220.0	190.3	173.9	164.8	158.7
541.2	20°	541.5	535.8	485.8	362.4	251.1	194.0	169.4	155.7	148.9	143.5
585.3	22.5°	584.6	576.5	494.1	333.0	222.9	176.1	154.0	143.9	138.3	132.2
646.9	25°	638.1	628.5	504.4	305.8	203.5	160.6	142.7	134.4	127.8	120.7
727.6	27.5°	712.9	695.7	516.7	283.5	186.9	147.4	132.4	123.1	115.5	109.6
819.0	30°	796.2	768.0	527.5	270.0	171.7	135.1	118.9	109.6	102.5	98.3
901.2	32.5°	875.2	836.9	534.6	264.1	157.9	121.1	104.2	94.2	88.8	87.5
981.6	35°	949.8	899.2	533.9	258.5	145.7	107.2	89.8	79.5	75.3	76.0
1068.2	37.5°	1035.6	965.7	528.7	249.6	135.6	94.4	77.2	68.2	64.5	64.7
1173.4	40°	1135.4	1042.4	525.5	233.0	124.6	82.6	66.9	59.6	56.9	55.9
1284.2	42.5°	1241.8	1116.7	526.0	214.1	110.8	72.1	59.8	53.7	51.3	50.5
1407.6	45°	1348.7	1187.6	526.7	194.5	96.4	64.0	54.7	49.5	48.1	47.1
1532.6	47.5°	1449.3	1247.9	513.0	173.4	82.1	57.9	50.5	47.1	45.9	44.6
1658.2	50°	1542.9	1288.2	479.9	148.9	70.9	53.0	47.3	44.9	43.6	42.4
1772.0	52.5°	1615.8	1294.5	425.2	123.6	63.0	49.3	45.4	43.2	41.7	40.5
1863.9	55°	1648.1	1254.6	347.5	100.1	56.9	46.1	43.4	41.2	39.5	38.3
1936.3	57.5°	1639.8	1170.5	271.0	80.4	51.0	42.9	41.0	39.5	37.5	35.6
1994.9	60°	1598.9	1057.9	204.3	66.9	45.6	39.5	38.3	37.0	34.3	31.4
2017.5	62.5°	1528.0	916.4	145.7	55.4	39.7	35.6	35.1	34.1	30.2	24.8
1984.1	65°	1419.6	744.5	98.1	46.1	34.1	31.1	31.4	29.7	24.5	18.4
1862.0	67.5°	1261.2	544.4	62.8	37.8	28.4	26.0	26.2	25.3	20.8	15.7
1630.5	70°	1059.4	360.5	41.0	28.7	22.8	20.1	21.6	21.8	17.7	12.8
1251.4	72.5°	776.6	212.9	28.7	21.3	16.7	14.0	17.7	18.1	14.2	9.6
752.8	75°	442.6	101.0	21.6	15.4	10.3	9.8	13.7	13.7	9.8	6.4
325.9	77.5°	185.9	42.2	15.2	10.1	5.9	5.6	9.3	8.6	4.9	2.9
79.5	80°	53.7	18.9	8.1	4.9	2.5	2.2	3.7	2.7	1.2	0.5
30.2	82.5°	21.1	8.3	3.2	2.0	1.0	1.0	0.5	0.0	0.0	0.0
17.2	85°	12.5	3.4	1.5	0.7	0.2	0.0	0.0	0.0	0.0	0.0
3.7	87.5°	3.2	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

180°
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425.5
422.5
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182.9
158.2
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131.2
119.9
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88.3
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65.7
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