

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: P852067

Luminaire Tested: **GLAN-SB1A-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852067
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-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 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: 3672 lumens
Efficiency: N/A
Efficacy: 118.8 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

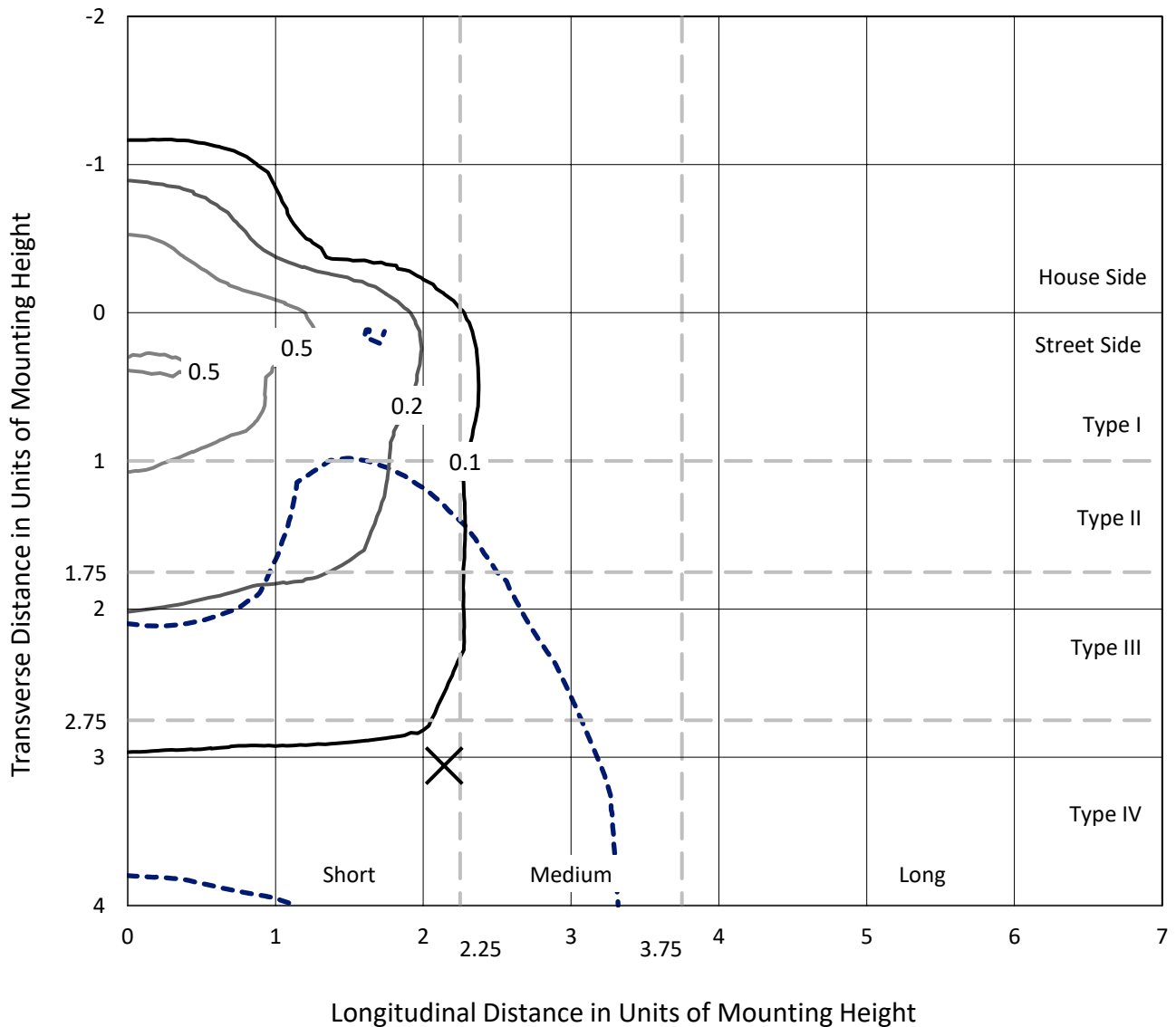
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

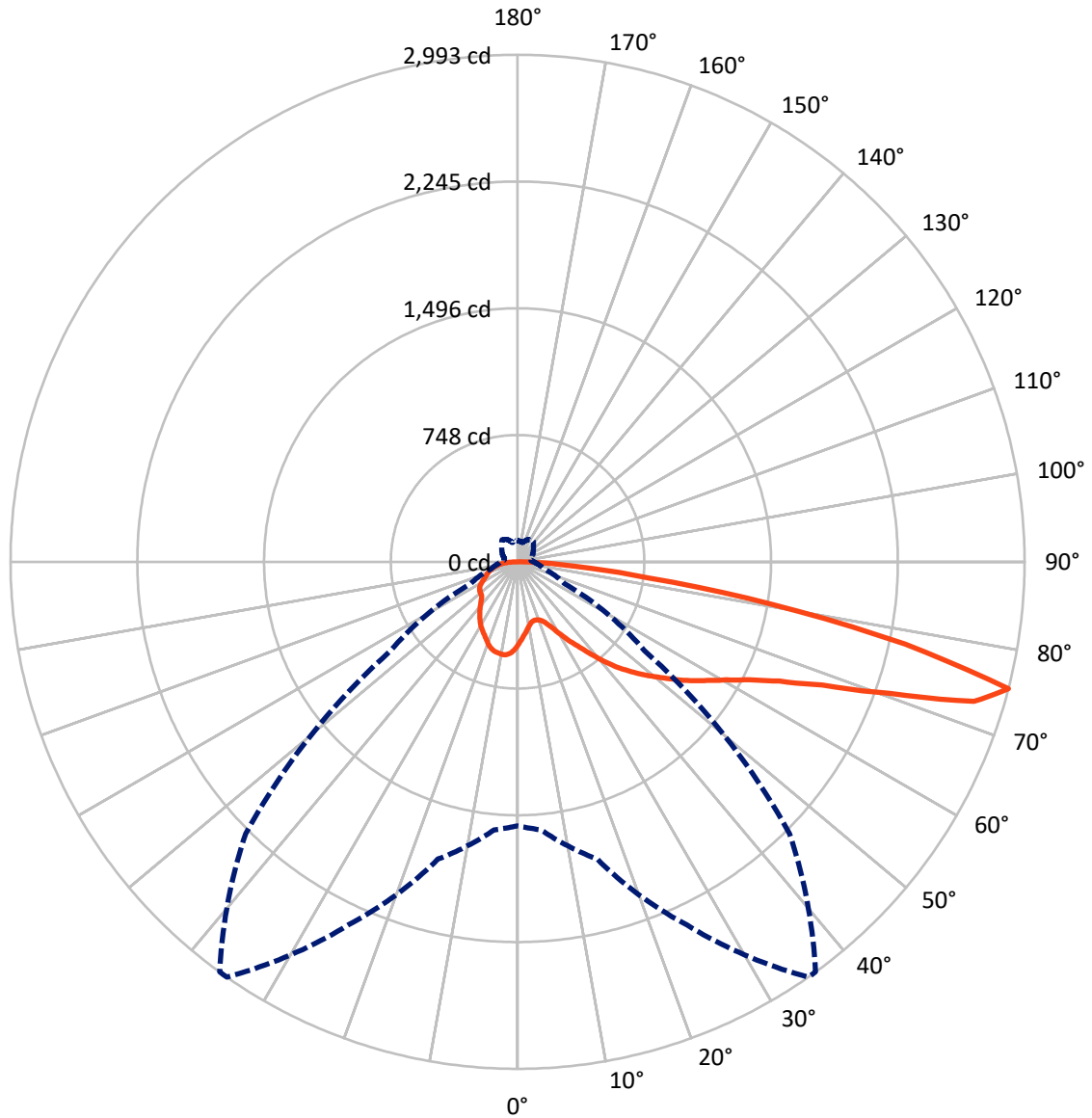
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	873.8	0.0	873.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	2798.2	0.0	2798.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	3672.0	0.0	3672.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	1.3
10°-20°	133.6	3.6
20°-30°	224.4	6.1
30°-40°	348.8	9.5
40°-50°	517.6	14.1
50°-60°	714.6	19.5
60°-70°	867.0	23.6
70°-80°	716.5	19.5
80°-90°	103.1	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°	3672.0	100.0
0°-180°	3672.0	100.0

Coefficient of Utilization



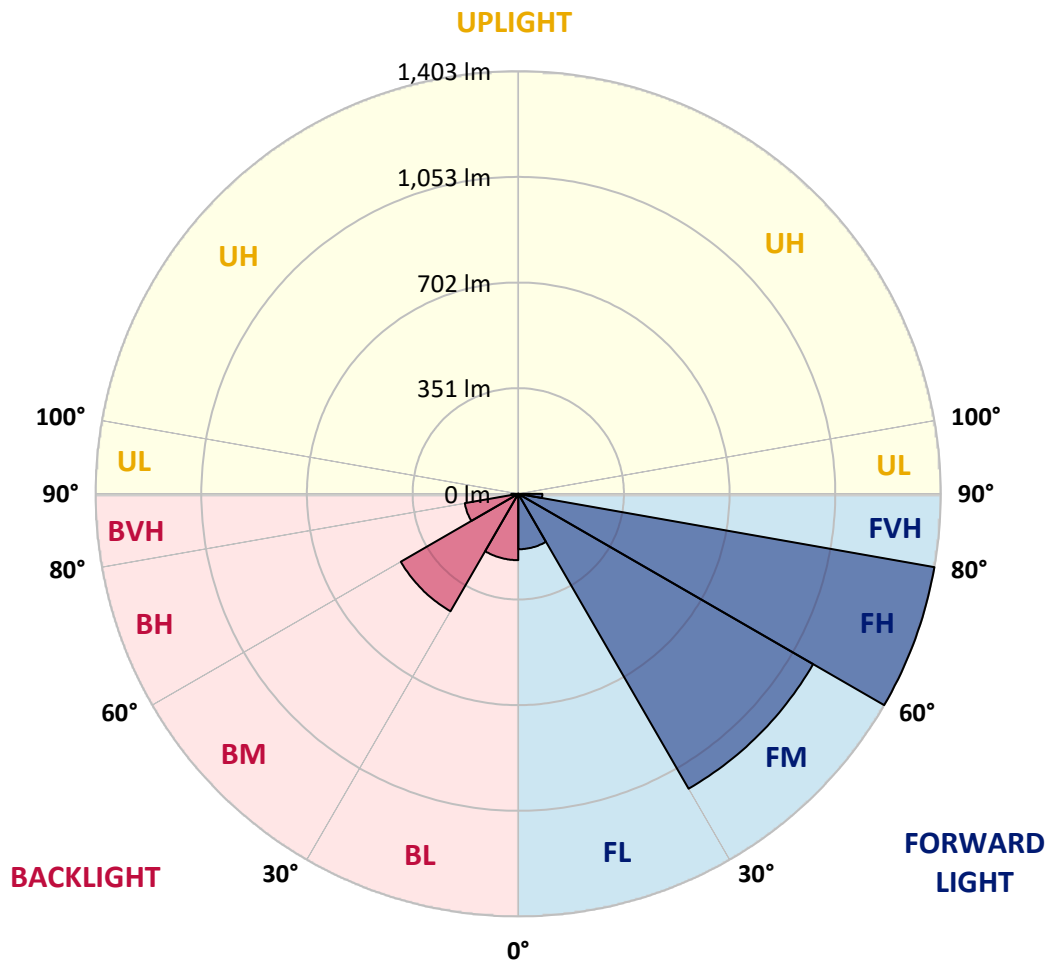
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.1	5.0			
FM (30°-60°)	1130.8	30.8			
FH (60°-80°)	1403.4	38.2			G1/1800
FVH (80°-90°)	79.9	2.2			G1/100
BL (0°-30°)	220.2	6.0	B1/500		
BM (30°-60°)	450.3	12.3	B1/1000		
BH (60°-80°)	180.2	4.9	B1/500		G1/500
BVH (80°-90°)	23.2	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°	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3
2.5°	451.2	454.0	455.2	454.6	457.6	457.2	461.3	466.5	473.6	480.6
5°	416.5	419.4	422.0	424.4	430.2	432.0	438.5	448.4	461.5	474.8
7.5°	384.1	386.7	390.7	395.0	404.8	406.5	417.5	432.9	451.2	470.7
10°	357.7	360.3	364.5	369.4	381.5	383.7	397.6	418.3	442.1	466.7
12.5°	346.4	347.2	349.6	354.5	365.1	366.4	381.7	405.4	433.1	463.7
15°	345.8	347.4	347.6	350.2	358.9	359.5	373.6	397.0	427.6	463.1
17.5°	351.8	352.9	351.2	352.7	360.1	361.1	372.2	393.0	425.8	465.7
20°	367.6	368.6	363.3	361.1	366.4	367.2	378.2	395.6	427.6	471.1
22.5°	401.4	402.0	388.9	379.9	380.3	380.7	390.3	406.1	434.5	480.8
25°	454.0	453.6	432.7	415.5	405.5	403.4	409.7	423.2	446.2	493.7
27.5°	515.5	512.5	491.7	465.9	444.3	441.1	439.7	445.4	462.9	510.8
30°	585.0	582.2	559.8	526.0	496.1	490.9	477.8	474.8	487.7	534.0
32.5°	661.2	659.4	632.6	591.7	551.6	545.7	523.7	515.7	525.8	569.1
35°	725.1	723.6	701.3	659.2	610.2	602.9	580.4	571.5	576.7	614.2
37.5°	782.9	782.1	763.1	729.9	679.3	670.4	645.1	642.2	641.2	673.5
40°	836.5	834.5	814.7	797.2	759.7	751.5	729.3	726.7	719.2	746.6
42.5°	895.9	890.7	861.9	853.8	843.7	836.9	823.6	824.0	807.3	829.0
45°	944.3	941.3	911.7	907.0	917.9	915.1	926.6	929.6	897.2	915.3
47.5°	996.3	993.5	968.5	965.1	994.7	995.5	1036.2	1037.2	985.0	1005.0
50°	1060.4	1056.5	1031.6	1035.8	1069.0	1071.9	1146.4	1139.6	1065.8	1096.2
52.5°	1102.7	1105.1	1099.7	1106.5	1151.7	1154.5	1254.8	1237.5	1145.8	1186.1
55°	1133.9	1138.6	1155.3	1170.8	1239.1	1241.9	1357.0	1330.6	1212.1	1269.4
57.5°	1174.0	1167.2	1198.4	1228.6	1322.1	1329.4	1456.4	1420.3	1270.8	1341.3
60°	1231.5	1226.8	1251.0	1295.7	1415.0	1426.7	1561.7	1501.1	1313.9	1398.3
62.5°	1348.3	1336.3	1340.1	1379.6	1532.1	1547.6	1680.4	1571.6	1335.4	1420.5
65°	1522.7	1502.3	1483.2	1510.6	1697.0	1712.3	1814.4	1627.0	1327.4	1377.4
67.5°	1742.5	1722.2	1698.8	1724.6	1940.0	1952.1	1979.7	1658.1	1264.9	1211.5
70°	1923.7	1916.2	1944.2	2050.4	2328.1	2328.5	2191.7	1632.3	1093.6	858.9
72.5°	1899.7	1895.1	2042.6	2371.0	2817.2	2806.7	2392.4	1437.0	736.7	387.5
75°	1558.5	1588.1	1816.5	2365.2	2992.9	2991.5	2269.5	913.5	304.7	160.6
77.5°	835.7	882.6	1179.3	1746.3	2336.4	2371.6	1595.6	319.6	130.8	102.8
80°	272.5	313.4	470.1	889.1	1518.2	1511.6	683.9	125.5	89.5	72.9
82.5°	115.7	120.5	210.0	419.8	779.1	767.0	217.8	72.1	62.9	49.8
85°	45.3	50.6	92.7	194.1	337.5	330.1	78.6	35.7	40.3	32.6
87.5°	14.9	18.1	33.2	66.5	105.0	101.2	19.3	12.3	17.5	14.9
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°
489.3	0°	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3	489.3
490.7	2.5°	493.5	496.7	500.4	506.0	510.8	514.7	518.9	521.5	522.5	525.4
491.5	5°	497.1	504.0	513.3	522.5	531.4	536.8	541.5	543.9	546.1	547.7
493.7	7.5°	503.0	511.9	526.6	538.5	546.1	550.5	553.6	552.8	553.6	554.0
496.1	10°	508.2	520.7	538.2	549.5	555.2	555.4	554.6	551.8	550.5	550.7
499.6	12.5°	514.3	528.2	547.1	556.6	558.2	553.8	550.5	545.7	543.9	543.1
505.0	15°	522.7	538.5	556.8	560.4	556.4	550.9	545.1	537.4	533.4	530.2
514.1	17.5°	532.8	550.3	564.4	561.8	553.2	544.1	534.8	523.1	514.9	511.6
526.6	20°	546.9	562.6	570.1	558.8	545.9	532.0	516.1	501.8	494.3	490.9
542.5	22.5°	564.0	579.0	575.7	553.6	535.4	513.1	493.3	482.8	479.0	476.6
563.0	25°	584.4	597.3	579.6	546.1	518.1	488.1	472.8	469.5	467.7	465.9
588.0	27.5°	611.0	618.0	582.6	535.0	491.1	461.5	456.0	456.6	456.0	453.0
622.7	30°	646.1	644.7	585.4	516.9	460.1	437.5	437.9	440.5	440.9	438.9
671.2	32.5°	692.4	678.3	586.8	493.5	430.6	416.5	416.9	419.6	421.6	418.3
734.5	35°	748.4	717.4	584.6	464.1	407.7	396.4	393.4	394.2	394.8	391.7
811.3	37.5°	813.7	761.3	574.9	431.6	388.9	376.8	370.4	365.1	361.9	358.9
898.2	40°	885.3	809.1	557.0	399.8	367.8	355.9	346.4	336.3	325.6	321.6
990.3	42.5°	960.4	858.3	535.4	369.4	343.6	333.9	323.8	309.1	293.0	284.9
1086.0	45°	1038.2	908.8	514.1	339.4	318.8	314.6	302.9	285.3	267.8	257.5
1181.9	47.5°	1114.4	956.4	483.0	309.3	295.6	300.1	291.0	274.7	255.3	239.0
1277.0	50°	1187.3	1001.1	432.0	278.7	276.7	295.8	287.0	263.6	241.4	220.5
1370.3	52.5°	1259.5	1037.2	366.6	250.9	266.6	294.6	281.9	256.1	228.9	207.0
1458.0	55°	1320.9	1055.9	303.7	227.1	251.9	284.5	275.7	247.1	211.2	188.0
1518.2	57.5°	1355.8	1040.8	251.3	203.7	231.7	267.8	265.2	228.1	190.2	172.3
1529.9	60°	1340.7	979.6	208.4	183.2	212.4	249.7	246.9	209.2	174.1	157.2
1467.2	62.5°	1257.5	863.1	174.5	165.4	194.9	231.3	228.7	194.7	161.8	145.5
1300.6	65°	1090.0	702.1	148.1	150.5	177.3	209.0	212.8	182.6	152.1	136.2
1006.2	67.5°	831.3	508.6	127.4	137.6	160.0	187.2	198.1	173.9	143.9	128.8
582.2	70°	473.8	288.8	110.0	125.1	144.7	166.9	186.8	166.9	135.2	122.7
218.2	72.5°	179.6	132.6	95.1	112.6	130.0	149.9	174.3	156.0	125.1	115.7
112.8	75°	95.9	80.8	80.0	97.9	113.1	133.2	158.6	145.3	117.5	122.3
78.0	77.5°	65.3	57.2	66.9	83.8	94.7	114.7	141.9	129.0	101.8	101.4
54.0	80°	45.3	40.5	54.4	67.5	73.2	96.5	123.9	110.8	83.0	77.4
33.3	82.5°	27.2	26.4	40.7	50.4	51.8	74.4	102.6	92.9	67.9	59.2
19.9	85°	14.9	15.7	26.0	29.6	30.2	52.0	80.4	71.9	52.2	43.9
7.1	87.5°	4.2	5.4	9.5	11.7	14.5	27.0	47.8	42.7	26.2	18.3
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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489.3
525.2
548.1
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551.1
542.7
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465.9
453.6
439.9
419.8
393.8
360.9
323.4
285.8
256.7
237.2
218.8
204.7
186.0
169.9
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