

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: P852100

Luminaire Tested: **GLAN-SB1B-835-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852100
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1B-835-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3531 lumens
Efficiency: N/A
Efficacy: 88.7 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

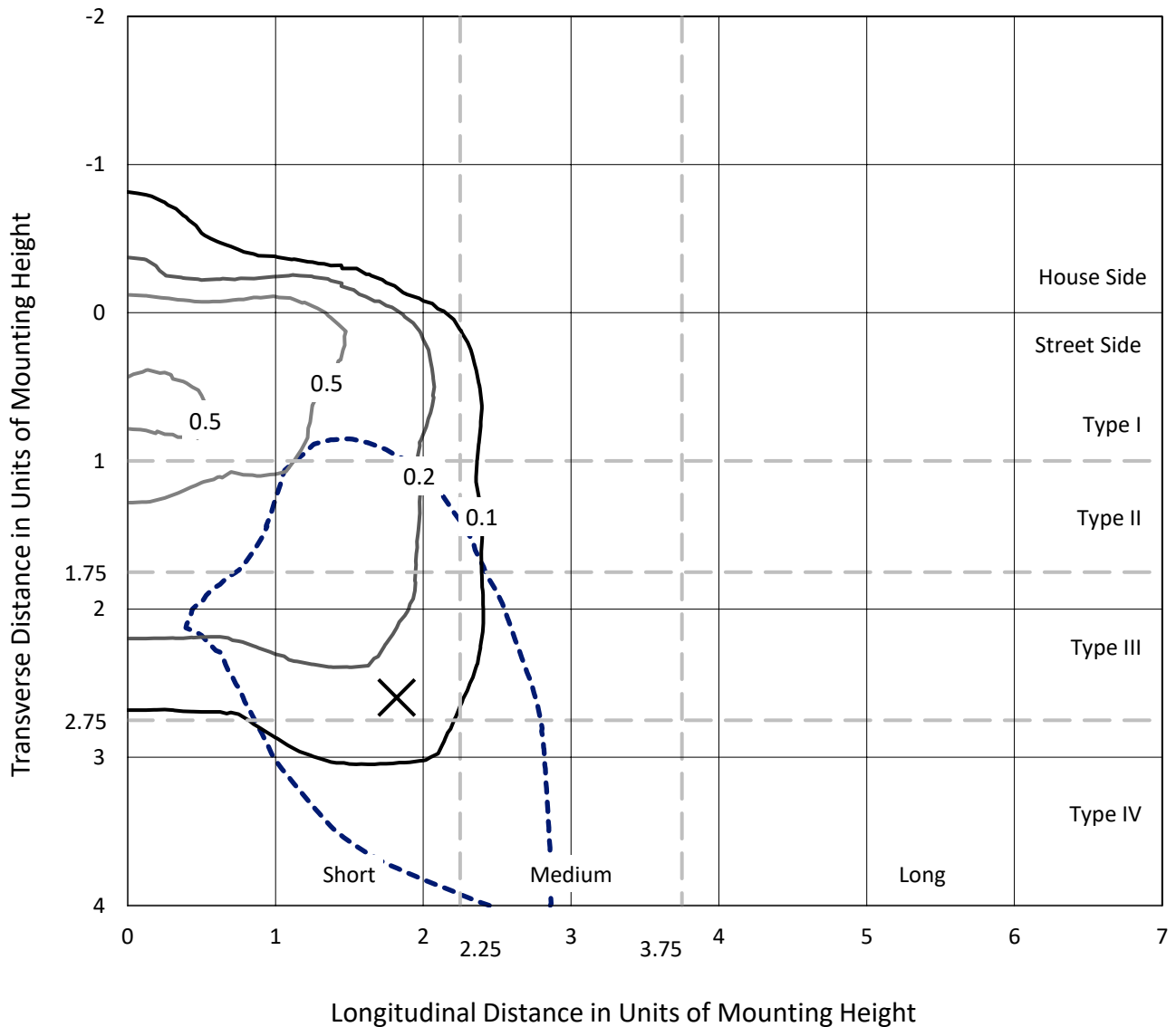
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

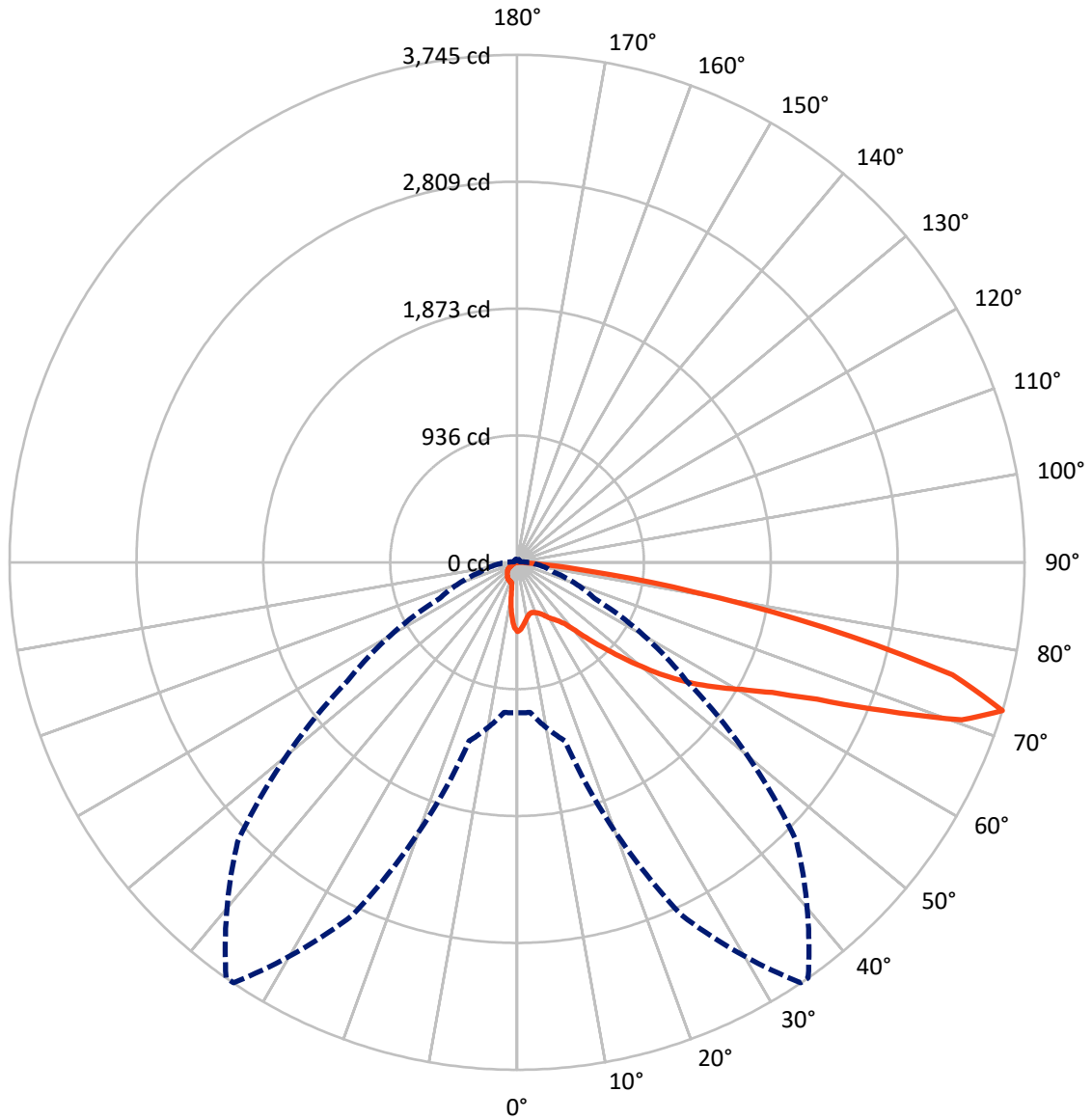
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	397.4	0.0	397.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	3133.6	0.0	3133.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	3531.0	0.0	3531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.1	1.2
10°-20°	98.4	2.8
20°-30°	159.8	4.5
30°-40°	266.6	7.6
40°-50°	504.5	14.3
50°-60°	801.6	22.7
60°-70°	991.7	28.1
70°-80°	616.4	17.5
80°-90°	49.8	1.4
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°	3531.0	100.0
0°-180°	3531.0	100.0

Coefficient of Utilization



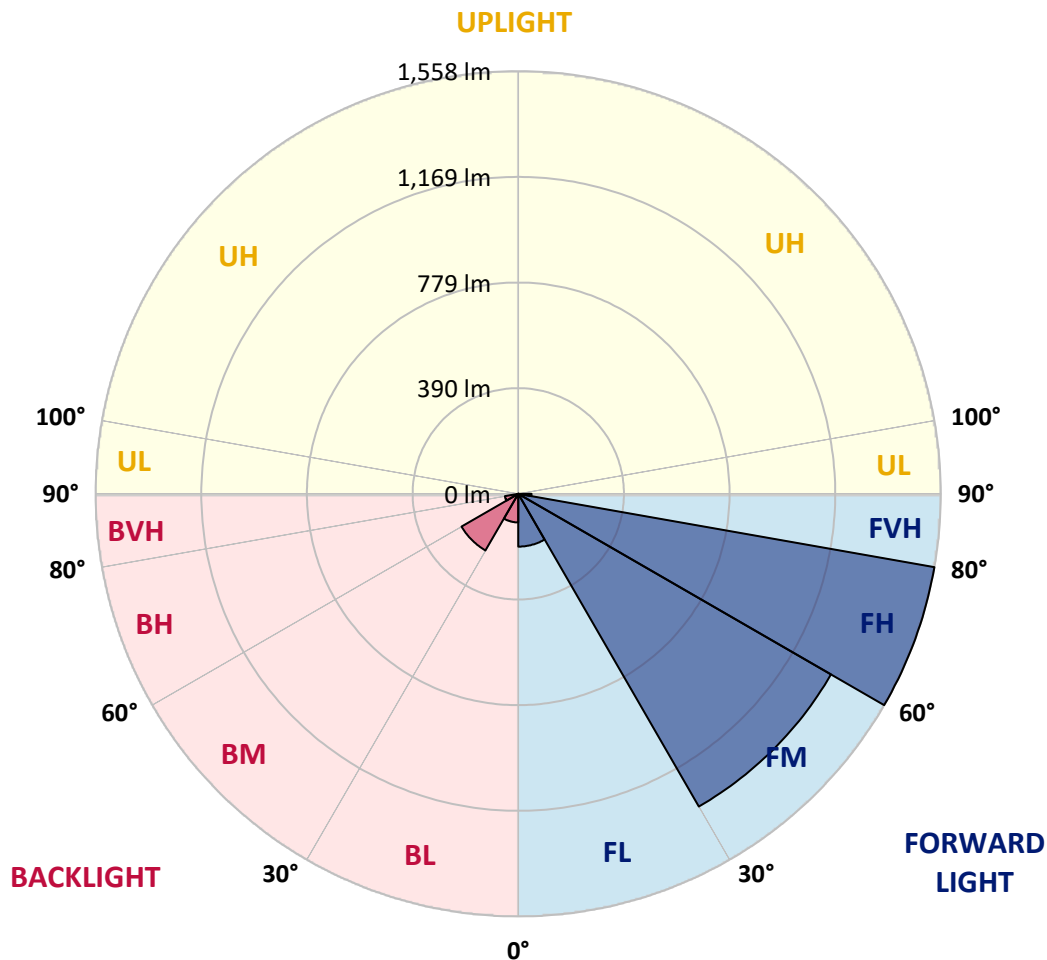
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	194.6	5.5			
FM (30°-60°)	1331.5	37.7			
FH (60°-80°)	1558.3	44.1			G1/1800
FVH (80°-90°)	49.1	1.4			G1/100
BL (0°-30°)	105.6	3.0	B0/110		
BM (30°-60°)	241.3	6.8	B1/1000		
BH (60°-80°)	49.9	1.4	B0/110		G0/110
BVH (80°-90°)	0.7	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8
2.5°	489.0	493.1	493.9	495.2	495.2	496.8	499.3	503.0	508.9	512.0
5°	450.7	453.8	457.7	460.8	466.7	467.5	477.6	487.4	501.2	511.5
7.5°	412.2	415.8	420.9	428.5	436.2	438.5	453.8	470.4	492.1	511.5
10°	385.0	385.2	389.9	397.4	409.8	412.7	431.3	454.8	482.0	508.4
12.5°	369.7	371.5	373.6	379.3	391.2	393.0	412.9	440.6	471.9	506.6
15°	369.7	371.0	372.3	375.2	384.7	386.3	403.9	431.6	466.7	507.4
17.5°	373.6	375.7	374.6	378.0	388.1	389.1	404.6	429.0	466.5	512.3
20°	382.9	384.5	382.4	384.5	394.6	396.6	412.7	433.9	470.9	520.8
22.5°	397.7	398.4	393.5	395.1	405.4	408.0	426.6	447.9	481.5	534.5
25°	416.3	417.8	410.3	412.2	422.0	425.1	446.6	468.8	498.3	553.4
27.5°	437.8	438.5	432.1	431.8	444.5	448.9	470.6	494.7	520.8	577.2
30°	462.3	464.7	458.5	457.4	473.5	477.1	498.6	526.5	553.9	612.9
32.5°	481.7	483.6	479.9	482.5	498.8	501.7	532.5	571.5	605.9	663.6
35°	509.7	510.7	502.4	507.1	525.7	533.0	578.8	634.7	671.4	727.3
37.5°	610.9	610.9	575.7	552.6	570.5	577.0	642.2	714.1	752.1	812.7
40°	750.8	748.5	697.0	649.9	647.6	660.3	732.5	814.2	856.4	915.1
42.5°	900.1	896.5	826.4	779.8	772.0	776.4	836.7	937.6	980.6	1040.1
45°	1032.6	1031.5	967.4	904.8	890.8	904.8	966.9	1082.0	1112.8	1175.4
47.5°	1143.6	1143.6	1096.7	1055.9	1048.6	1056.9	1143.1	1242.1	1239.3	1319.5
50°	1271.4	1270.3	1225.8	1208.3	1215.8	1227.4	1345.9	1410.8	1370.2	1461.0
52.5°	1360.9	1367.1	1351.8	1349.0	1387.3	1407.5	1551.8	1575.9	1487.4	1595.3
55°	1431.8	1439.0	1456.6	1476.6	1550.3	1576.7	1751.3	1732.4	1585.5	1711.7
57.5°	1532.2	1521.8	1549.0	1588.3	1707.6	1739.4	1944.6	1880.2	1664.4	1806.2
60°	1654.0	1655.6	1660.2	1709.9	1864.6	1905.5	2135.0	2019.9	1715.1	1864.1
62.5°	1800.5	1802.8	1812.4	1888.7	2075.5	2114.1	2337.8	2134.2	1738.4	1847.8
65°	1790.4	1800.2	1907.1	2168.1	2396.1	2434.1	2574.6	2214.4	1703.2	1698.8
67.5°	1631.0	1647.1	1825.8	2501.9	2879.4	2921.8	2860.7	2230.2	1551.3	1321.1
70°	1422.0	1427.7	1642.7	2802.0	3439.0	3481.9	3116.9	2056.6	1177.2	736.9
72.5°	1110.5	1111.7	1364.0	2871.6	3742.7	3745.1	2915.8	1526.7	633.1	283.0
75°	793.3	785.5	913.6	2328.8	3292.8	3319.2	2186.0	716.2	241.9	133.8
77.5°	425.3	433.9	516.9	1381.1	2274.7	2319.7	1192.7	206.5	123.2	91.1
80°	131.4	138.7	211.9	632.3	1288.5	1315.6	442.2	91.8	85.9	64.9
82.5°	41.4	42.9	98.8	265.7	534.8	547.2	128.1	52.0	58.7	42.9
85°	11.9	12.2	44.0	99.1	132.2	134.8	36.0	20.2	33.6	26.6
87.5°	1.3	4.1	16.6	16.6	11.6	11.4	3.9	4.4	9.6	3.4
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°
511.8	0°	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8	511.8
514.1	2.5°	512.8	513.1	509.7	504.0	497.8	492.6	486.1	481.0	477.3
518.7	5°	516.4	514.6	505.0	487.7	467.0	449.1	429.2	413.4	403.1
523.7	7.5°	521.9	516.7	495.7	461.6	422.0	386.8	351.1	323.4	305.8
528.3	10°	526.5	516.2	480.2	423.8	363.3	310.0	261.8	228.5	209.8
533.8	12.5°	530.9	515.9	460.0	379.0	297.0	231.8	187.1	170.5	165.3
542.5	15°	539.2	516.7	434.7	327.8	231.0	175.2	158.9	158.6	159.6
556.0	17.5°	550.6	517.5	405.9	273.5	178.3	154.5	153.7	156.0	157.6
572.8	20°	565.3	520.6	375.4	219.7	153.2	149.3	151.1	153.2	154.5
595.3	22.5°	586.0	526.0	342.0	176.5	145.1	146.2	147.7	150.1	151.4
624.0	25°	611.4	534.5	309.2	153.4	141.3	142.6	144.9	147.5	149.0
660.3	27.5°	644.2	548.2	278.9	148.3	137.4	138.2	141.5	145.4	147.5
711.8	30°	691.8	570.7	252.8	150.6	135.1	133.2	137.9	143.3	145.7
781.9	32.5°	755.0	602.6	236.7	154.2	134.0	127.6	132.0	138.9	142.8
873.5	35°	837.8	651.0	230.5	158.3	133.2	121.6	124.7	132.2	138.9
988.9	37.5°	938.1	718.2	232.3	160.2	130.9	116.7	118.2	124.7	133.5
1118.7	40°	1052.2	796.6	242.7	158.3	128.3	112.5	112.8	117.7	125.5
1258.4	42.5°	1170.0	888.2	261.8	151.6	126.0	108.9	108.1	111.5	116.7
1397.9	45°	1282.0	982.4	280.7	142.3	123.2	105.3	103.5	104.8	105.8
1533.7	47.5°	1379.8	1048.6	275.3	133.8	119.3	101.2	98.1	97.5	94.4
1655.1	50°	1447.3	1063.1	244.5	125.2	113.6	96.5	91.6	88.5	83.1
1745.9	52.5°	1468.8	1005.9	199.7	116.7	104.3	90.3	83.3	78.4	71.7
1798.1	55°	1440.3	893.9	159.6	106.3	91.3	82.0	74.3	67.8	62.4
1803.8	57.5°	1370.7	751.3	126.3	94.2	77.6	72.7	64.9	58.5	53.8
1740.7	60°	1255.3	596.6	99.9	79.7	66.2	62.6	54.6	50.5	46.3
1577.7	62.5°	1080.2	425.9	78.4	63.1	55.4	51.2	46.6	43.5	38.6
1284.6	65°	842.9	260.5	60.5	46.3	44.5	42.4	39.6	36.7	30.8
838.0	67.5°	531.7	123.4	43.2	34.9	35.2	34.2	32.9	30.5	26.1
375.4	70°	234.1	59.8	28.5	26.6	26.1	26.1	27.2	26.4	22.3
130.4	72.5°	79.7	32.1	21.2	20.2	18.9	18.6	22.8	22.0	17.9
64.9	75°	41.7	21.5	15.5	14.5	11.4	13.7	18.1	17.1	12.7
42.9	77.5°	27.2	15.3	10.6	9.3	6.5	9.1	13.5	11.9	7.5
28.2	80°	17.1	10.1	6.2	4.4	3.1	4.9	7.2	5.2	2.8
16.6	82.5°	9.1	5.2	2.3	1.6	1.3	1.6	1.8	1.3	0.5
8.5	85°	3.6	1.8	0.8	0.5	0.3	0.0	0.5	0.3	0.0
1.6	87.5°	1.3	0.3	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

(END O

180°
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511.8
478.1
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