

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: McGRAW-EDISON

Report Number: P945531

Luminaire Tested: **GALN-SB1B-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-950-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3830 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

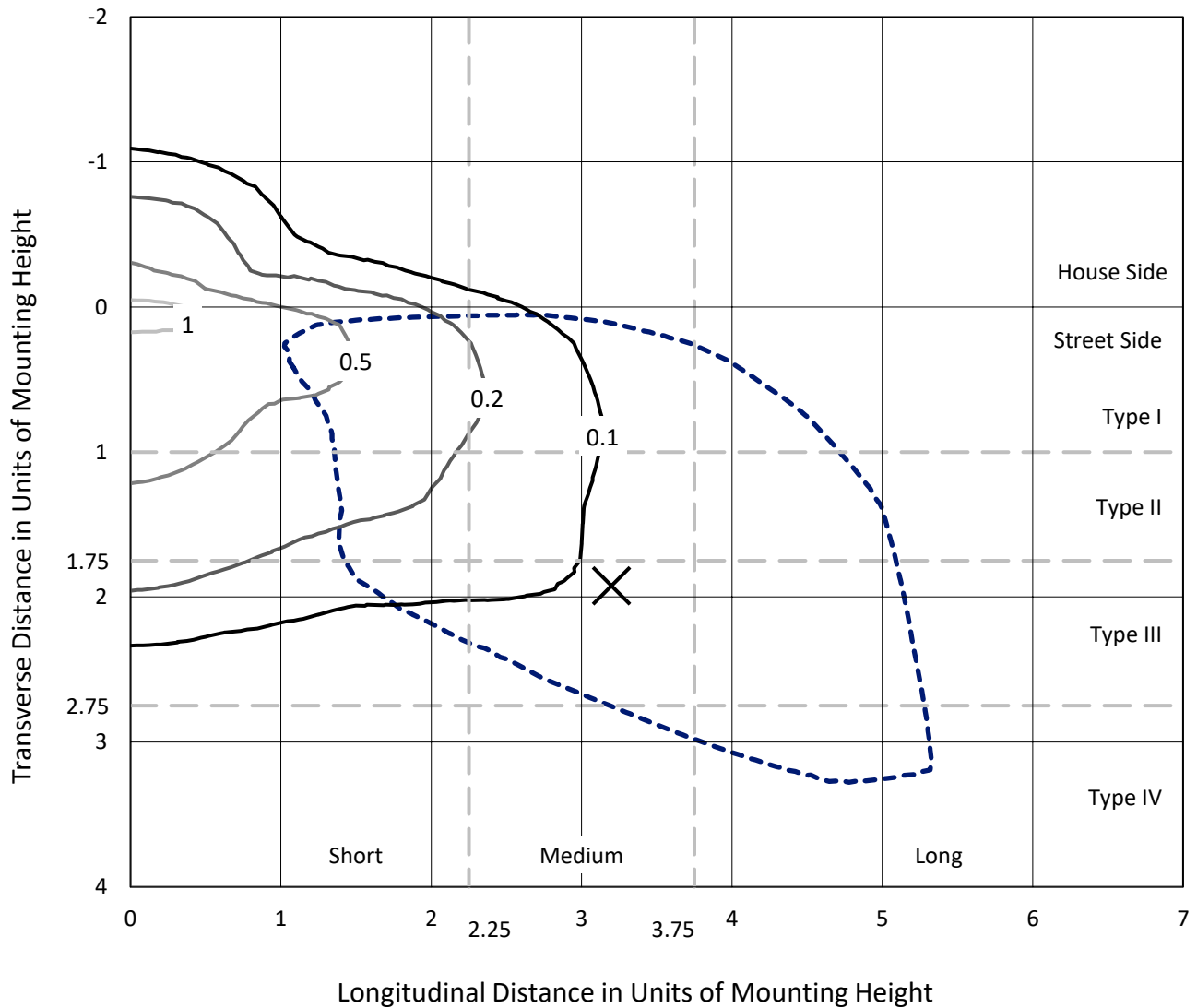
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

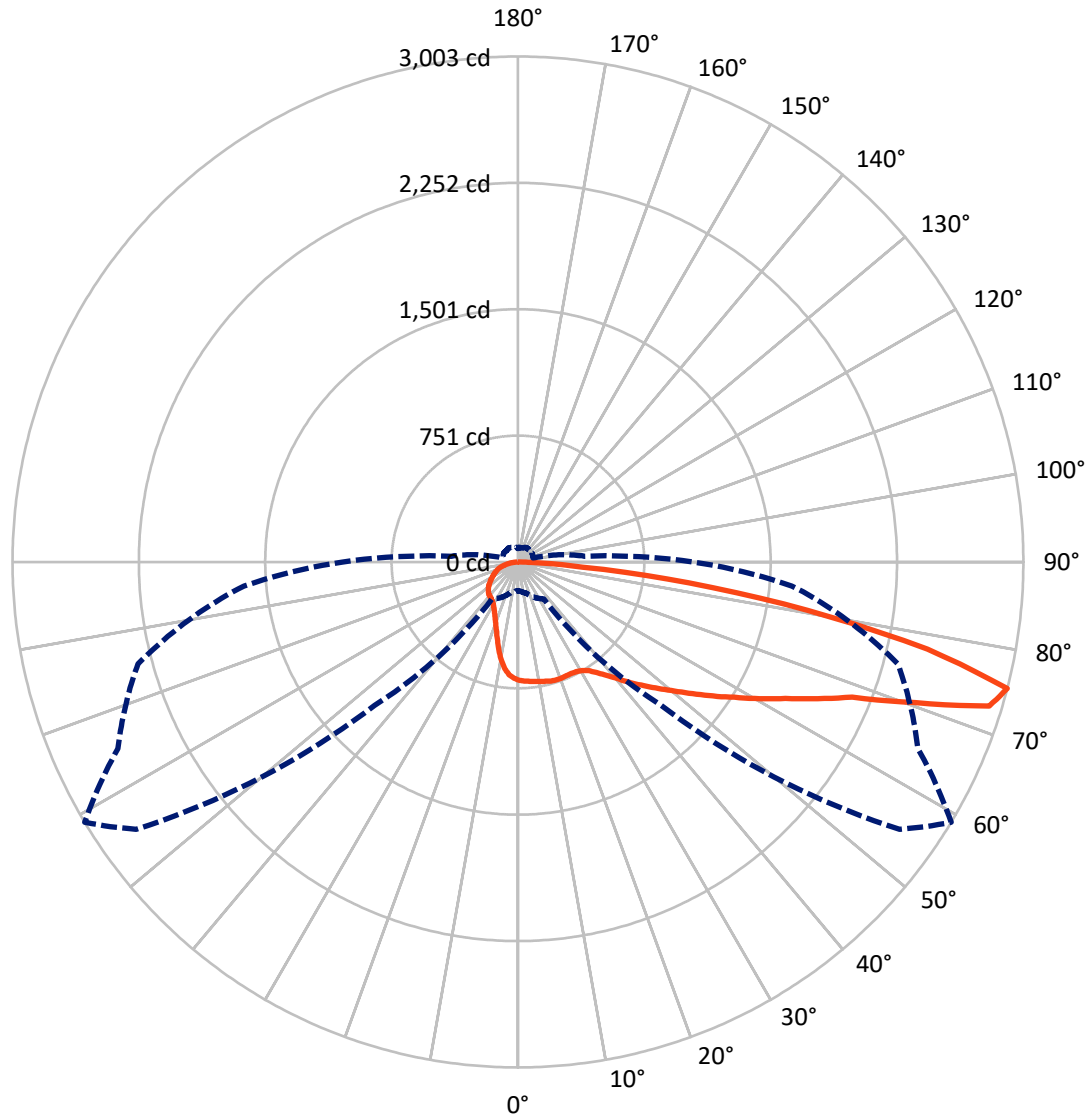
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	718.3	0.0	718.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	3111.7	0.0	3111.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	3830.0	0.0	3830.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	1.6
10°-20°	161.1	4.2
20°-30°	244.7	6.4
30°-40°	363.8	9.5
40°-50°	541.0	14.1
50°-60°	734.4	19.2
60°-70°	896.5	23.4
70°-80°	703.6	18.4
80°-90°	121.9	3.2
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°	3830.0	100.0
0°-180°	3830.0	100.0

Coefficient of Utilization



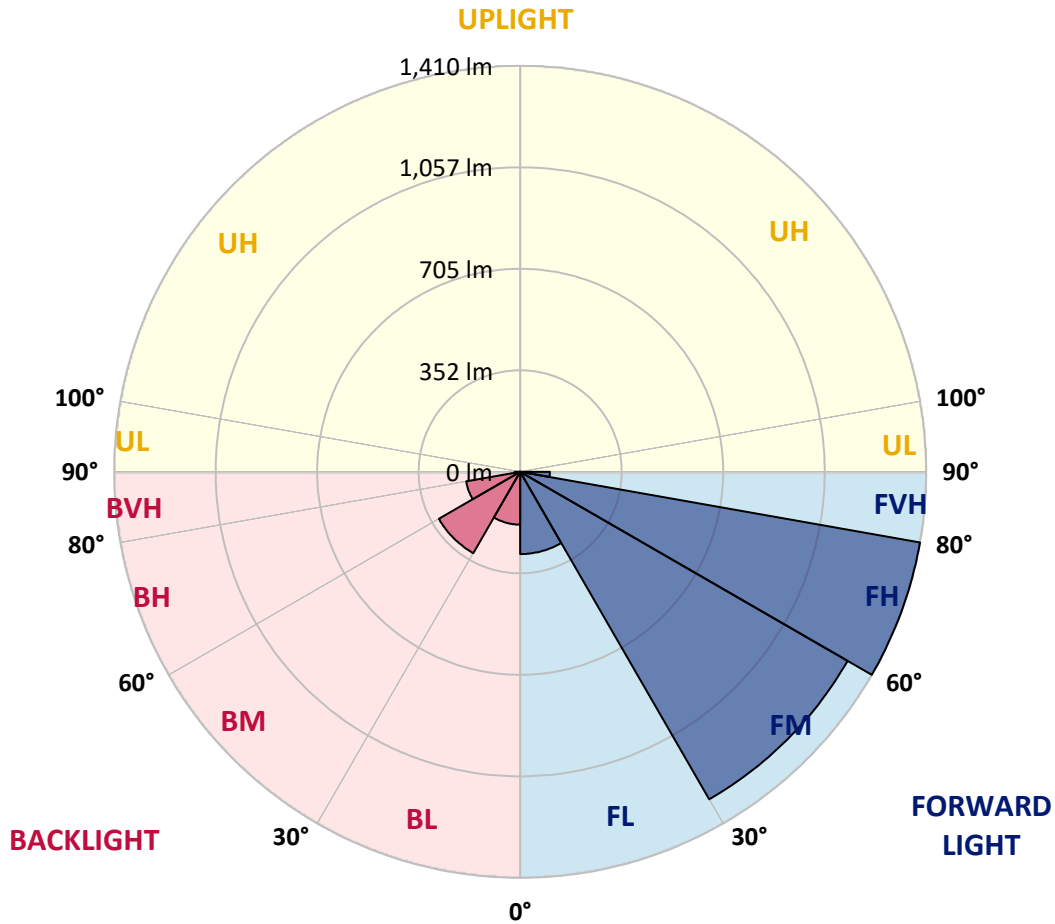
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.6	7.5			
FM	(30°-60°)	1313.1	34.3			
FH	(60°-80°)	1409.8	36.8			G1/1800
FVH	(80°-90°)	103.2	2.7			G2/225
BL	(0°-30°)	183.3	4.8	B1/500		
BM	(30°-60°)	326.1	8.5	B1/1000		
BH	(60°-80°)	190.3	5.0	B1/500		G1/500
BVH	(80°-90°)	18.7	0.5			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0
2.5°	709.0	706.5	709.0	707.9	707.5	706.7	706.9	708.3	707.5	708.6
5°	704.2	702.8	705.3	704.6	707.3	707.7	710.4	712.1	713.1	713.3
7.5°	696.4	695.0	698.5	701.3	707.1	708.8	714.3	717.0	718.4	720.9
10°	667.8	667.1	675.8	686.7	700.3	708.8	717.2	721.7	724.0	730.6
12.5°	617.1	617.9	629.2	650.2	677.4	704.6	720.5	727.1	730.6	738.8
15°	568.7	568.4	580.8	603.3	641.4	686.5	722.1	733.5	739.5	751.6
17.5°	540.6	539.8	548.5	565.6	601.0	658.7	718.0	737.0	749.8	765.0
20°	535.5	533.8	538.4	546.8	572.0	628.2	707.3	737.0	758.0	777.8
22.5°	554.2	551.6	549.7	548.7	559.8	603.1	695.2	734.5	770.2	796.1
25°	591.9	587.8	578.3	569.1	565.8	591.7	684.4	733.9	788.3	820.8
27.5°	652.9	647.8	628.6	606.4	586.4	597.5	679.7	737.6	808.3	847.0
30°	728.5	723.0	698.9	664.7	628.8	618.9	685.7	748.5	833.8	881.8
32.5°	796.3	790.1	769.5	734.7	686.3	656.0	704.6	769.3	874.0	930.2
35°	856.5	849.3	830.7	798.6	756.8	708.1	738.8	806.2	931.1	1008.9
37.5°	915.4	907.0	886.8	852.8	823.5	777.6	786.0	853.6	1006.9	1104.5
40°	981.3	969.2	944.7	911.1	882.6	859.0	848.0	911.7	1083.9	1211.3
42.5°	1045.2	1033.7	1004.4	975.8	940.1	933.3	919.9	979.7	1168.2	1328.5
45°	1114.0	1100.2	1064.8	1028.5	1006.1	982.8	989.6	1047.7	1250.8	1448.0
47.5°	1178.5	1163.1	1121.2	1080.9	1068.5	1024.4	1053.5	1122.5	1336.7	1569.2
50°	1213.3	1198.1	1163.3	1126.8	1117.1	1075.7	1122.7	1204.7	1426.8	1689.9
52.5°	1242.4	1225.9	1180.4	1160.2	1157.3	1131.5	1208.0	1298.6	1516.8	1796.6
55°	1273.3	1255.0	1196.9	1178.7	1191.9	1194.2	1309.1	1405.2	1612.0	1900.7
57.5°	1308.9	1285.7	1212.7	1194.4	1225.7	1267.5	1425.3	1515.6	1705.5	1997.1
60°	1342.5	1319.0	1243.2	1219.3	1262.2	1352.6	1558.6	1649.3	1811.5	2083.0
62.5°	1349.1	1329.7	1267.5	1267.3	1311.6	1451.9	1716.5	1784.3	1904.0	2167.9
65°	1235.0	1222.8	1185.9	1265.5	1382.5	1594.9	1892.2	1956.9	2021.6	2242.1
67.5°	939.9	941.6	938.9	1092.4	1325.2	1800.3	2146.7	2141.7	2166.9	2325.3
70°	429.8	439.5	502.5	754.1	1061.7	1824.0	2567.4	2503.3	2349.2	2433.1
72.5°	232.2	239.6	265.4	365.3	638.3	1621.7	2881.8	2927.3	2591.7	2505.6
75°	170.4	174.5	192.4	232.2	268.1	1205.3	2769.1	3002.7	2622.0	2336.4
77.5°	127.5	129.4	144.0	184.0	137.2	635.4	2212.6	2486.8	2244.5	1919.6
80°	92.5	94.6	105.5	138.0	96.2	232.4	1519.3	1745.5	1537.2	1223.6
82.5°	63.9	64.7	69.4	94.0	67.2	90.2	862.0	1023.6	858.1	429.4
85°	38.5	39.6	41.6	54.8	38.1	42.9	372.1	384.9	256.5	102.6
87.5°	15.9	16.9	18.5	23.1	15.0	11.9	61.4	77.1	48.0	30.1
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°
703.0	0°	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0	703.0
705.0	2.5°	704.0	702.6	698.7	693.3	688.4	682.2	679.5	677.2	675.2	671.3
710.6	5°	708.3	704.4	693.9	680.3	664.9	648.0	631.5	620.2	610.5	603.3
717.0	7.5°	714.9	707.5	688.4	660.5	625.1	588.8	556.1	532.8	515.3	508.9
726.1	10°	721.7	712.9	679.5	630.5	569.3	513.4	470.0	446.1	432.1	427.5
736.8	12.5°	729.8	716.8	665.7	588.6	506.8	445.7	407.7	393.7	386.5	384.0
750.0	15°	741.5	720.1	644.9	536.3	447.3	396.2	371.7	362.0	358.3	358.1
763.6	17.5°	750.4	720.7	612.5	480.3	401.6	366.3	346.1	342.4	344.9	348.6
777.0	20°	760.3	715.1	570.1	429.2	369.4	340.2	331.7	334.2	340.2	345.5
794.7	22.5°	767.3	705.0	518.8	389.4	341.6	325.1	324.7	329.9	333.2	335.8
815.5	25°	773.5	687.9	464.4	356.0	318.7	316.1	320.6	318.9	316.7	318.9
836.3	27.5°	778.0	661.0	415.8	326.8	302.7	309.9	307.2	303.5	303.3	304.5
860.8	30°	776.5	624.9	375.8	299.0	291.3	298.3	292.0	291.3	290.7	291.3
897.7	32.5°	776.5	583.9	345.1	279.8	284.1	281.4	280.8	279.4	276.9	276.7
947.8	35°	780.9	542.9	318.7	269.5	278.1	271.8	272.2	268.7	263.5	261.0
1014.1	37.5°	789.7	509.9	292.6	264.5	267.6	267.4	265.8	259.8	250.7	242.9
1096.9	40°	811.2	500.3	274.6	262.3	262.7	265.2	260.8	249.3	228.7	215.9
1181.0	42.5°	844.7	516.5	270.7	256.7	259.4	261.9	253.4	226.6	212.0	204.4
1269.2	45°	887.4	545.0	279.2	248.7	251.6	255.9	230.8	218.0	211.4	211.6
1356.5	47.5°	941.4	574.8	294.8	241.7	240.2	242.7	215.7	207.9	198.8	201.1
1440.4	50°	1003.8	605.1	309.7	232.2	227.7	219.6	206.0	198.6	187.1	181.7
1521.4	52.5°	1071.4	634.4	315.6	220.7	214.1	204.8	199.4	190.4	176.4	167.5
1597.8	55°	1135.5	661.0	309.1	206.9	200.5	193.3	192.4	186.9	171.8	159.5
1665.8	57.5°	1196.0	683.2	292.6	192.8	186.7	182.3	187.9	185.2	166.3	150.4
1730.1	60°	1247.3	698.5	268.7	178.6	174.3	172.0	180.5	179.7	158.4	140.7
1787.8	62.5°	1288.1	704.4	242.3	165.0	164.0	159.9	170.2	170.2	148.6	131.2
1838.4	65°	1320.1	698.7	215.5	151.6	153.7	147.5	157.6	156.4	138.0	122.8
1896.7	67.5°	1348.3	679.7	185.8	138.5	143.2	135.4	144.4	141.5	126.5	114.3
1947.2	70°	1360.9	635.6	152.1	125.3	131.0	123.4	131.2	125.9	113.5	105.3
1891.8	72.5°	1259.9	528.3	119.7	111.5	116.4	110.2	117.0	110.8	99.5	95.8
1633.6	75°	1042.3	396.4	92.1	96.4	100.1	95.4	99.9	95.4	85.1	87.8
1206.7	77.5°	757.0	267.6	70.5	80.6	82.2	79.7	83.6	78.5	69.2	68.6
601.4	80°	376.4	156.8	55.2	63.7	63.0	61.4	65.9	63.5	55.6	58.9
162.4	82.5°	109.0	67.2	40.2	44.7	43.5	43.9	47.2	48.4	72.5	71.9
50.5	85°	34.2	26.4	24.1	24.9	23.7	24.3	27.8	55.2	51.1	29.9
15.7	87.5°	8.9	9.1	6.0	6.4	6.6	7.8	8.9	33.6	16.1	10.5
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°
703.0
669.4
597.3
497.8
420.5
384.7
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