

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: P945182

Luminaire Tested: **GALN-SB1A-950-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB1A-950-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3163 lumens
Efficiency: N/A
Efficacy: 102.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

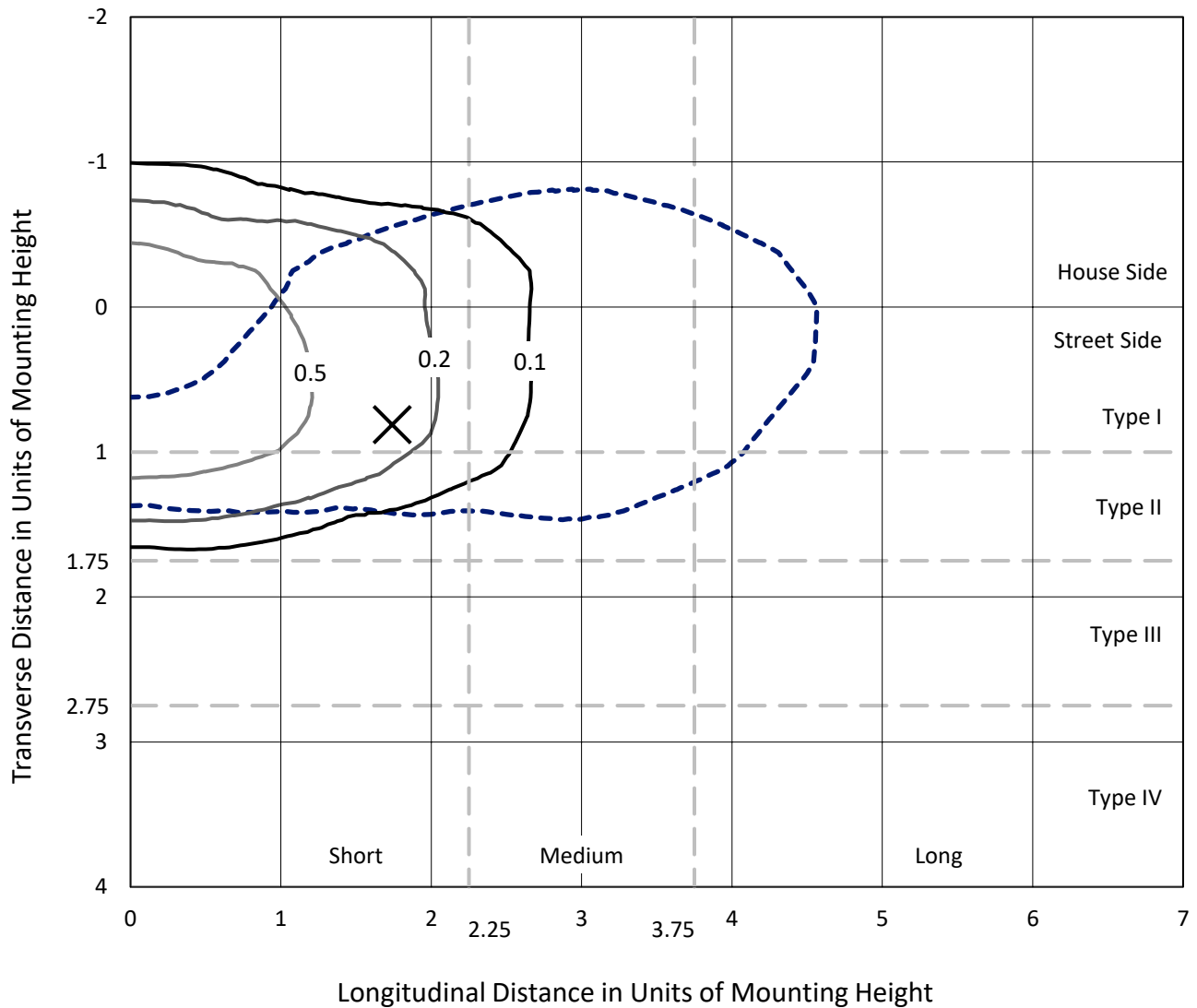
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

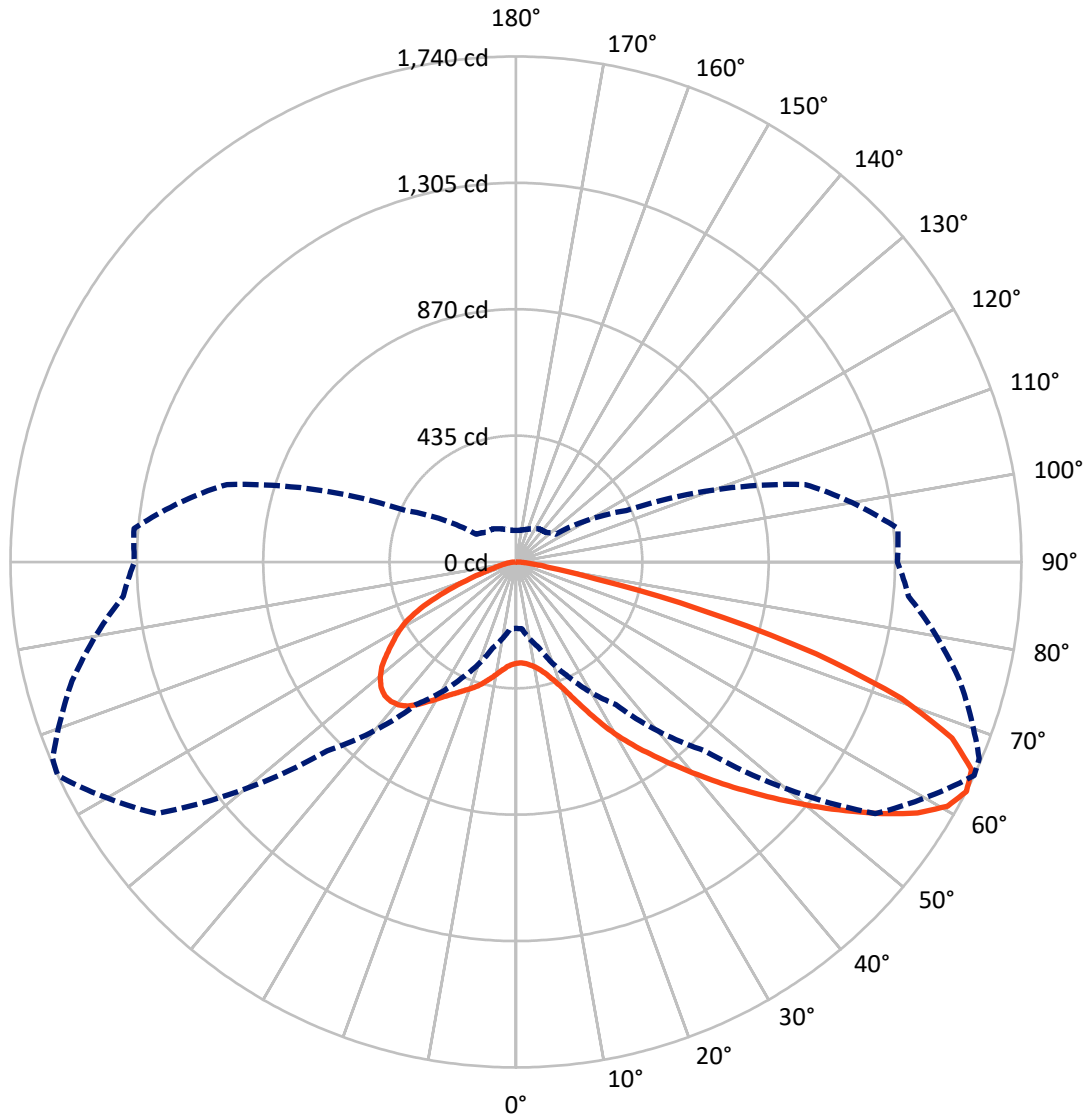
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	998.1	0.0	998.1
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2164.9	0.0	2164.9
	% Fixture	68.4	0.0	68.4
Total	Lumens	3163.0	0.0	3163.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	1.1
10°-20°	117.8	3.7
20°-30°	238.9	7.6
30°-40°	413.5	13.1
40°-50°	625.7	19.8
50°-60°	733.6	23.2
60°-70°	615.0	19.4
70°-80°	339.6	10.7
80°-90°	44.1	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°	3163.0	100.0
0°-180°	3163.0	100.0

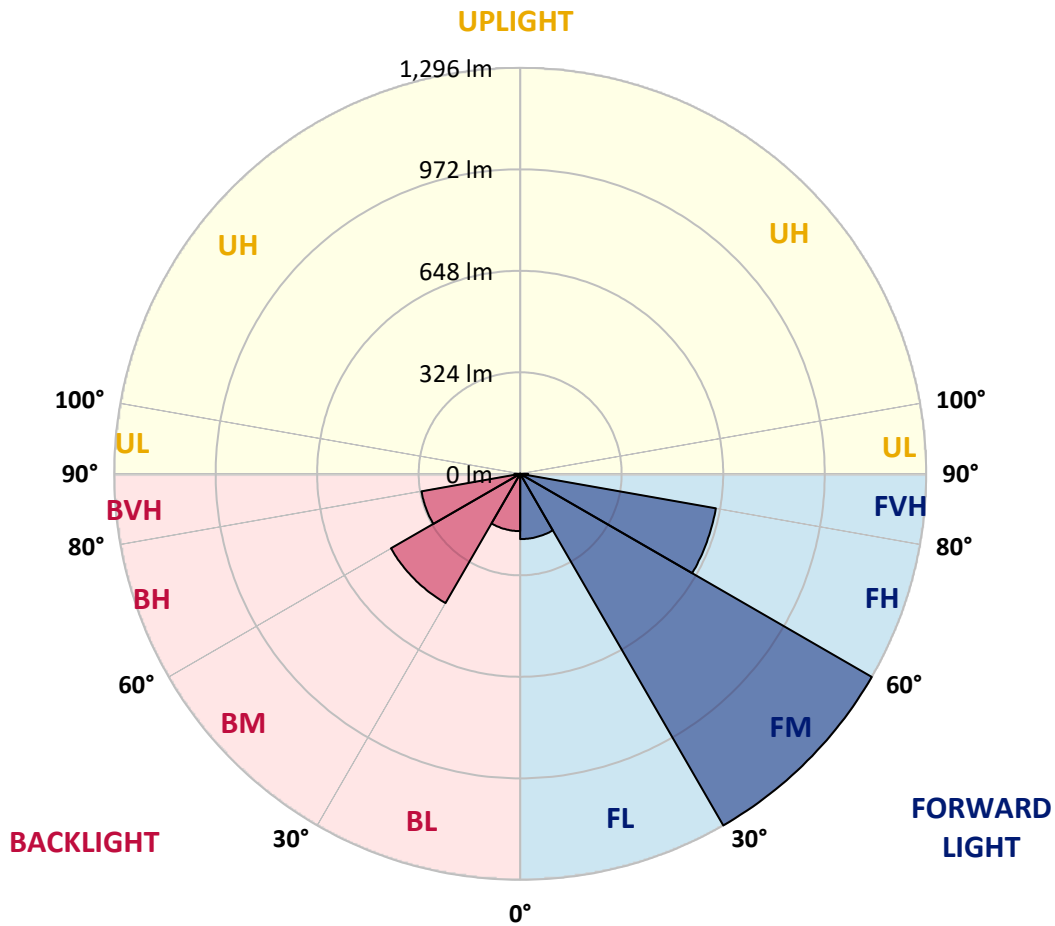


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	208.5	6.6			
FM (30°-60°)	1296.3	41.0			
FH (60°-80°)	634.4	20.1			G0/660
FVH (80°-90°)	25.7	0.8			G1/100
BL (0°-30°)	183.0	5.8	B1/500		
BM (30°-60°)	476.5	15.1	B1/1000		
BH (60°-80°)	320.2	10.1	B1/500		G1/500
BVH (80°-90°)	18.4	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5
2.5°	346.3	345.3	346.1	346.1	346.4	346.3	347.4	347.7	348.2	349.2
5°	342.8	342.6	344.1	345.4	346.7	347.9	349.4	351.5	351.8	353.0
7.5°	341.7	340.7	343.0	344.6	347.7	350.5	354.5	358.1	359.5	360.0
10°	350.5	348.9	351.0	352.0	354.6	357.4	362.0	367.7	369.4	371.4
12.5°	365.6	363.8	366.9	368.4	370.9	373.3	376.4	382.0	382.8	386.5
15°	386.3	384.2	386.1	387.9	392.0	394.3	397.5	402.9	402.9	405.7
17.5°	414.4	411.6	413.0	413.7	416.3	419.8	425.0	429.8	432.2	431.3
20°	456.2	452.8	452.8	449.5	448.5	451.3	458.2	464.7	467.4	462.3
22.5°	519.0	514.1	511.3	500.2	495.7	496.1	503.0	511.0	513.1	504.1
25°	599.0	591.3	587.5	571.1	561.1	552.4	557.8	568.1	571.1	559.9
27.5°	678.9	679.4	675.8	656.1	639.5	623.6	620.8	631.6	634.7	622.1
30°	791.0	779.3	772.4	748.8	725.2	702.8	691.4	695.8	696.6	681.5
32.5°	887.6	884.7	869.9	849.2	818.9	783.9	764.7	757.7	756.3	734.8
35°	997.7	996.1	980.5	955.9	923.1	874.5	839.9	819.7	818.0	787.8
37.5°	1109.6	1109.6	1094.4	1067.5	1033.5	972.8	920.1	888.1	882.9	843.5
40°	1198.9	1193.5	1196.3	1185.0	1146.1	1081.6	1009.2	962.8	955.7	908.5
42.5°	1249.6	1247.8	1264.6	1277.2	1261.3	1209.7	1107.3	1043.7	1033.8	980.0
45°	1260.9	1259.0	1288.8	1335.1	1357.4	1336.3	1214.0	1128.8	1116.9	1054.8
47.5°	1234.9	1230.9	1274.7	1347.8	1419.3	1456.6	1329.5	1221.2	1203.8	1127.7
50°	1156.4	1152.6	1218.9	1315.9	1440.1	1538.3	1454.9	1319.2	1292.6	1205.8
52.5°	985.9	987.7	1091.6	1224.8	1412.7	1589.1	1562.9	1422.4	1390.4	1285.7
55°	768.0	771.9	899.6	1046.3	1303.1	1581.4	1636.6	1528.8	1496.9	1360.9
57.5°	549.9	567.3	686.9	832.2	1092.6	1459.2	1652.7	1629.8	1599.0	1442.9
60°	356.4	359.5	482.6	629.0	832.0	1241.9	1620.0	1706.5	1682.4	1526.6
62.5°	228.4	230.6	305.6	440.0	598.8	918.8	1510.1	1739.8	1732.4	1581.9
65°	167.9	166.2	205.3	290.8	403.4	566.6	1296.6	1723.7	1738.3	1616.6
67.5°	140.1	137.8	157.0	201.4	297.2	321.8	959.3	1619.2	1672.7	1612.6
70°	127.7	125.7	137.4	149.5	231.9	215.5	483.6	1407.7	1490.0	1567.8
72.5°	108.1	104.7	120.6	132.8	180.3	165.2	199.9	1081.3	1181.7	1424.2
75°	83.9	81.6	95.2	116.8	135.5	129.0	126.4	656.6	766.2	1101.4
77.5°	66.5	63.3	75.8	91.1	121.9	97.3	92.1	282.7	391.4	703.2
80°	50.1	47.3	57.6	72.0	93.7	73.4	59.6	115.4	147.5	356.3
82.5°	35.6	33.1	40.2	52.8	63.0	65.8	36.6	64.7	72.7	137.4
85°	22.8	21.3	26.9	33.1	40.0	42.3	22.3	33.8	37.1	56.6
87.5°	12.5	10.2	14.4	15.4	18.5	16.9	10.7	12.3	13.3	20.5
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°
348.5	0°	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5	348.5
349.2	2.5°	349.9	350.4	352.0	352.5	353.6	355.1	356.1	357.1	357.1	358.1
354.5	5°	354.6	355.8	359.2	361.0	364.0	366.9	368.7	370.9	372.2	372.8
362.8	7.5°	363.8	365.6	370.5	373.7	378.7	382.8	385.6	388.6	389.2	391.1
374.5	10°	376.3	378.4	384.0	389.9	396.0	401.1	403.7	405.8	406.6	407.0
389.4	12.5°	390.6	393.7	400.9	408.1	414.5	418.9	419.6	419.1	416.8	414.8
407.8	15°	408.1	410.9	418.9	426.8	433.1	433.9	429.8	427.2	424.4	423.9
428.3	17.5°	429.1	430.6	438.0	445.7	446.2	443.4	437.3	434.9	432.2	430.4
455.0	20°	453.6	453.1	458.3	461.6	458.2	449.6	440.4	436.3	433.7	431.6
487.9	22.5°	482.8	479.0	478.4	477.5	468.3	450.5	438.0	432.7	428.6	425.7
533.7	25°	525.3	510.8	500.8	495.3	474.6	446.0	430.1	418.5	410.7	405.7
589.6	27.5°	578.5	554.2	528.9	515.3	474.6	437.0	411.1	392.2	379.6	374.3
643.8	30°	629.2	603.7	566.5	539.4	473.4	422.2	380.4	354.1	339.4	334.1
690.0	32.5°	672.5	644.7	606.4	565.8	470.6	398.3	342.3	313.3	299.0	292.8
735.8	35°	712.7	683.1	646.4	594.9	463.3	363.2	300.5	278.3	262.4	252.4
782.4	37.5°	753.9	718.8	684.3	621.1	450.0	322.1	268.3	249.4	230.7	217.3
832.0	40°	798.7	756.7	724.8	636.7	428.1	283.1	243.4	226.1	206.3	192.0
889.1	42.5°	851.0	802.1	770.0	644.7	398.3	255.3	227.1	210.2	191.5	179.9
950.3	45°	905.7	852.2	811.1	644.6	365.0	242.4	221.9	205.1	184.4	172.3
1013.2	47.5°	962.9	904.5	846.8	634.1	336.1	244.2	218.9	194.1	171.3	159.5
1076.7	50°	1020.4	961.8	881.2	614.4	323.8	240.2	207.9	178.7	151.8	141.1
1136.2	52.5°	1077.3	1022.7	910.9	586.3	311.3	225.6	193.8	158.7	143.8	136.4
1197.8	55°	1134.6	1082.9	943.2	545.5	280.1	208.6	170.2	151.1	137.4	130.6
1258.0	57.5°	1192.0	1152.5	973.9	504.6	240.9	187.6	157.2	141.9	131.0	125.2
1308.4	60°	1251.8	1232.1	1005.6	467.0	202.2	160.7	147.7	134.6	123.4	117.0
1356.8	62.5°	1313.3	1319.7	1030.4	418.6	166.6	144.2	139.2	125.7	114.9	108.8
1396.8	65°	1375.3	1404.2	1046.6	351.5	135.1	128.7	130.0	116.0	105.0	99.8
1426.2	67.5°	1422.1	1465.1	1042.0	266.0	110.8	113.9	118.5	105.8	95.5	91.4
1421.4	70°	1427.3	1457.9	996.7	182.2	92.7	99.4	105.7	95.8	85.2	82.2
1354.5	72.5°	1357.4	1359.4	870.6	119.0	78.4	87.3	92.2	85.7	75.3	72.4
1185.0	75°	1174.1	1124.3	639.2	78.4	65.6	75.0	79.6	75.0	65.0	65.6
886.6	77.5°	889.6	796.2	388.1	55.8	54.8	63.0	69.3	66.0	57.4	64.5
445.9	80°	458.3	430.8	173.1	41.7	43.3	50.4	56.9	52.7	45.5	43.3
99.6	82.5°	105.0	122.1	68.3	29.9	31.3	36.3	43.5	39.5	32.7	27.6
41.5	85°	36.8	40.2	30.2	18.7	18.4	22.6	29.5	26.4	22.2	17.7
17.6	87.5°	11.7	15.3	11.3	7.5	7.9	10.2	13.6	12.5	10.3	6.7
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°
348.5
358.1
373.2
390.4
406.1
414.8
423.9
430.6
431.7
426.7
407.6
376.9
337.2
295.9
255.7
220.9
194.8
182.2
174.3
161.1
141.8
136.4
130.0
124.2
116.5
108.6
99.6
91.6
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