

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: P945494

Luminaire Tested: **GALN-SB1B-935-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-935-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3318 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

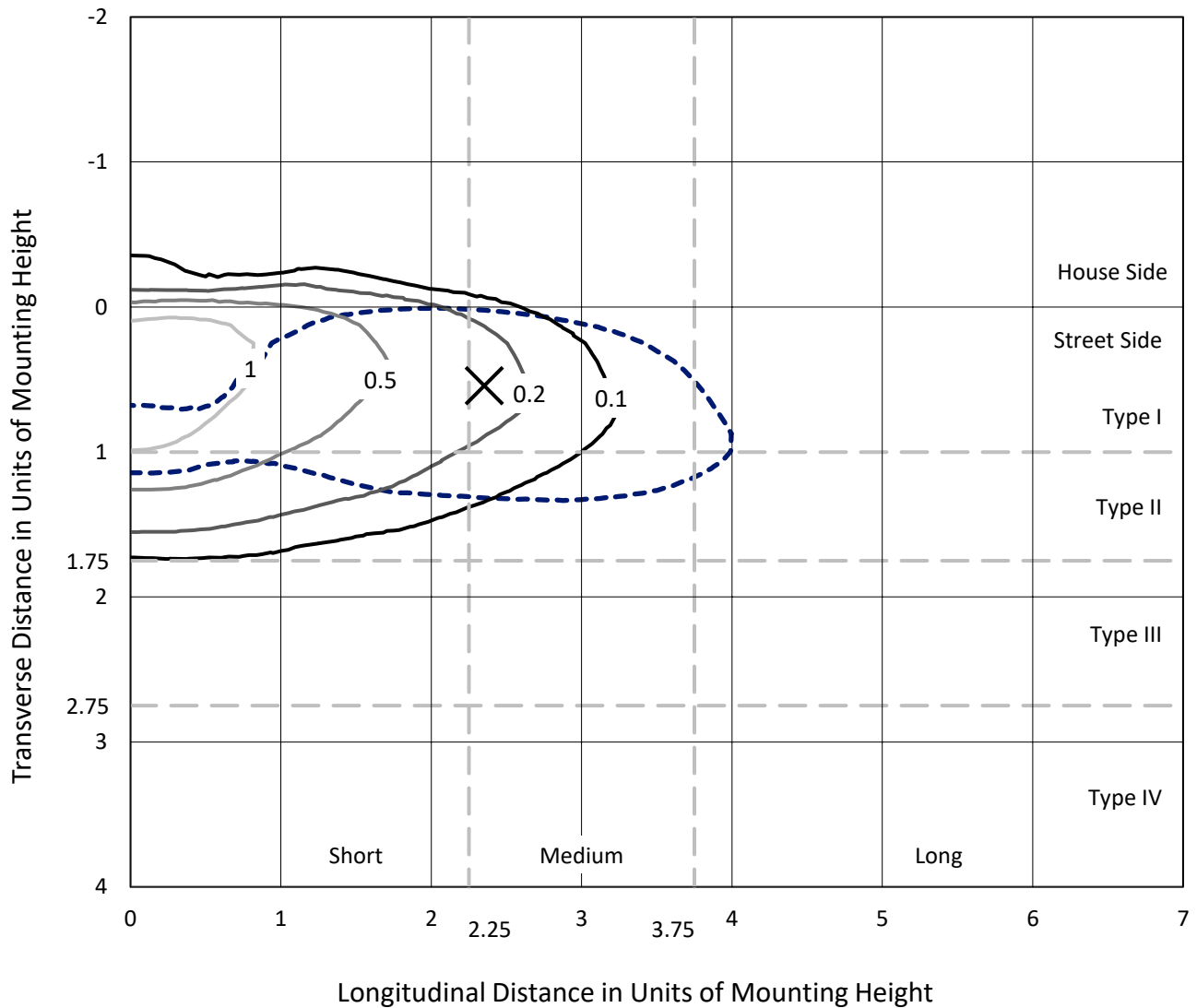
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

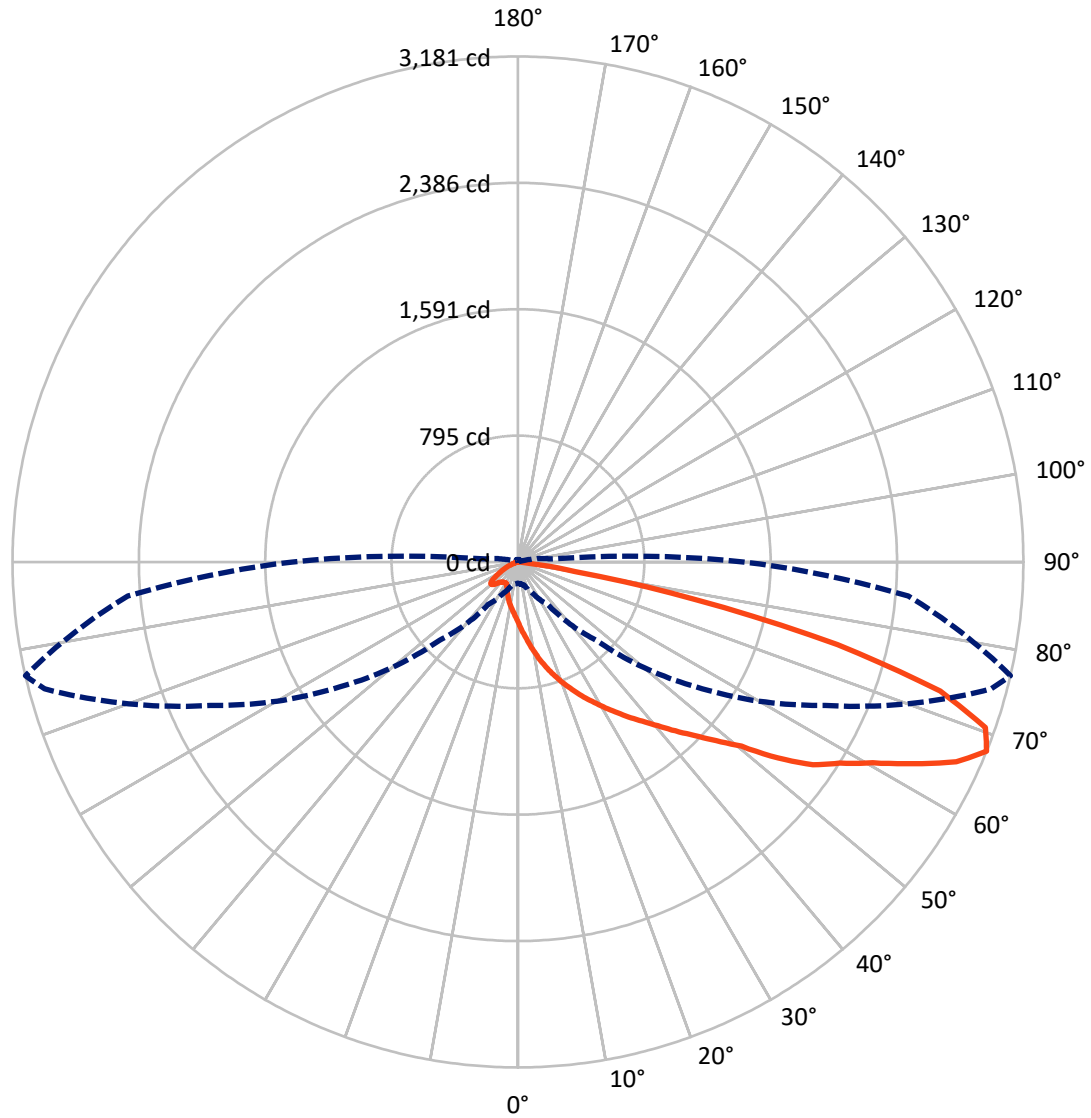
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	244.1	0.0	244.1
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	3073.9	0.0	3073.9
	% Fixture	92.6	0.0	92.6
Total	Lumens	3318.0	0.0	3318.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.1	1.2
10°-20°	136.8	4.1
20°-30°	263.9	8.0
30°-40°	458.1	13.8
40°-50°	665.2	20.0
50°-60°	763.9	23.0
60°-70°	663.2	20.0
70°-80°	312.4	9.4
80°-90°	15.4	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°	3318.0	100.0
0°-180°	3318.0	100.0

Coefficient of Utilization



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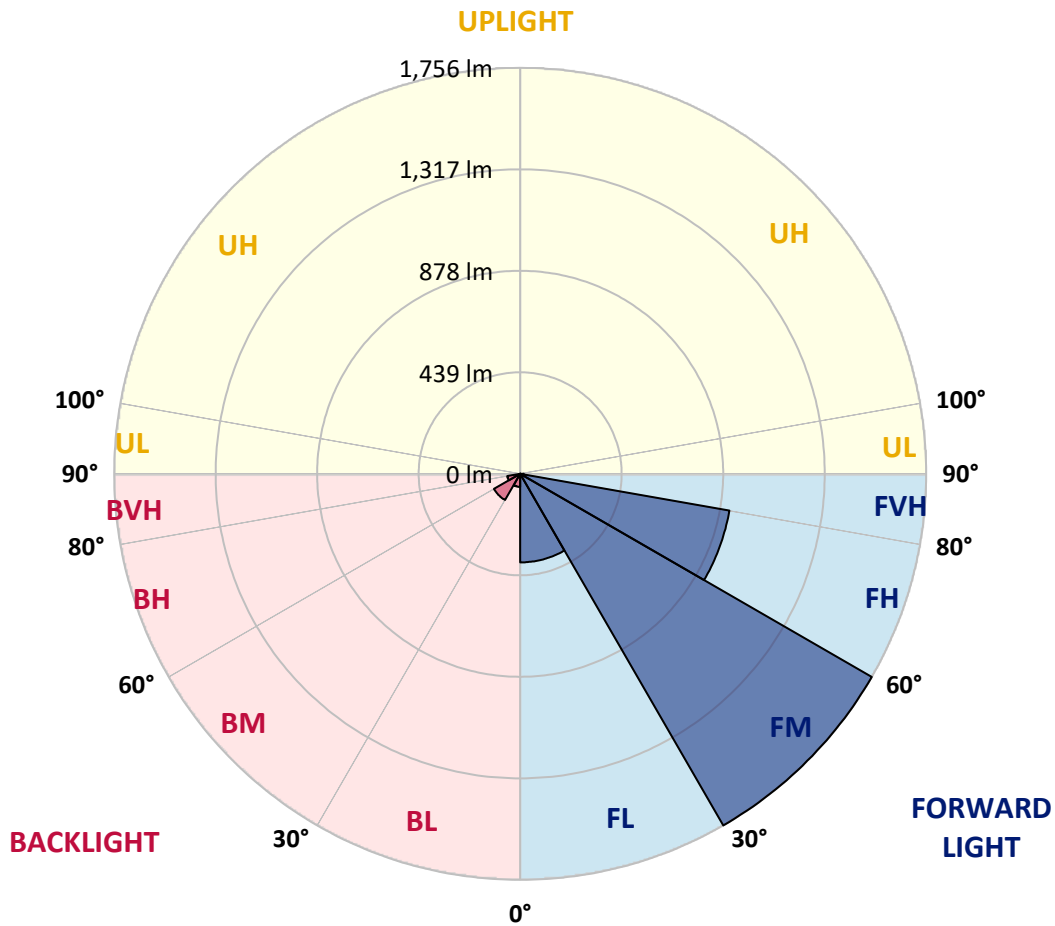
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.2	11.5			
FM (30°-60°)	1756.5	52.9			
FH (60°-80°)	919.1	27.7			G1/1800
FVH (80°-90°)	15.2	0.5			G1/100
BL (0°-30°)	56.5	1.7	B0/110		
BM (30°-60°)	130.8	3.9	B0/220		
BH (60°-80°)	56.5	1.7	B0/110		G0/110
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	382.6	382.6	382.6	382.6	382.6	382.6	382.6	382.6	382.6	382.6
2.5°	529.7	533.0	528.3	519.2	505.6	496.8	475.1	454.7	432.1	424.9
5°	645.7	648.6	643.3	633.4	615.2	597.9	569.5	526.8	482.5	468.3
7.5°	731.6	733.3	731.2	722.2	704.9	685.3	653.6	603.1	537.3	521.7
10°	793.5	798.8	798.2	794.7	783.2	767.3	733.5	676.0	598.7	578.6
12.5°	834.5	840.4	843.9	851.8	851.1	841.1	811.4	750.6	659.9	636.2
15°	846.4	852.8	866.2	884.3	900.4	905.5	884.7	823.7	727.3	697.0
17.5°	839.6	849.5	865.6	894.2	929.4	952.7	950.5	894.4	788.5	753.9
20°	854.6	864.1	876.7	900.8	941.8	984.0	1000.9	962.0	849.3	813.0
22.5°	937.9	936.2	937.5	941.4	965.9	1007.7	1042.6	1023.4	909.5	872.4
25°	1069.8	1062.3	1049.8	1028.5	1022.4	1042.6	1078.8	1077.8	972.9	933.2
27.5°	1221.0	1219.8	1190.3	1139.2	1110.3	1102.5	1119.8	1130.7	1035.8	993.3
30°	1365.8	1369.1	1329.4	1272.5	1219.5	1188.8	1173.2	1181.0	1099.6	1058.2
32.5°	1491.9	1495.4	1452.2	1385.6	1320.1	1283.0	1250.0	1230.7	1169.3	1124.1
35°	1598.4	1602.0	1552.3	1478.7	1408.9	1375.3	1338.0	1285.1	1239.3	1197.3
37.5°	1693.6	1692.6	1626.1	1551.9	1483.3	1456.7	1437.1	1352.0	1311.4	1270.8
40°	1749.9	1754.2	1697.3	1615.6	1549.0	1529.6	1528.4	1435.1	1394.7	1355.3
42.5°	1766.4	1774.0	1732.8	1665.6	1605.2	1584.2	1616.6	1524.9	1491.5	1453.2
45°	1736.7	1744.1	1725.4	1678.8	1643.6	1630.0	1692.4	1618.0	1594.9	1557.0
47.5°	1650.2	1659.4	1664.0	1654.1	1653.7	1667.5	1760.4	1716.1	1717.7	1679.0
50°	1482.7	1498.3	1539.9	1575.0	1629.1	1697.1	1826.5	1822.4	1856.2	1822.8
52.5°	1178.1	1200.4	1343.8	1439.6	1561.4	1691.6	1899.3	1993.0	2099.1	2050.3
55°	946.7	946.7	1063.4	1242.6	1429.1	1654.9	1931.0	2103.9	2264.6	2253.0
57.5°	771.8	781.1	855.5	1013.9	1237.7	1567.5	1950.6	2173.5	2397.9	2389.4
60°	476.4	496.3	636.9	793.2	1019.9	1412.0	1938.2	2244.0	2559.6	2566.4
62.5°	268.3	275.7	338.3	570.7	793.0	1202.9	1843.6	2283.3	2766.5	2795.3
65°	185.2	188.9	213.0	355.2	549.7	957.7	1658.8	2258.8	2973.8	3032.1
67.5°	134.5	136.4	151.4	217.0	326.2	694.4	1369.1	2135.2	3083.6	3181.0
70°	103.4	104.7	115.6	142.6	192.6	428.6	994.3	1889.4	3004.0	3120.5
72.5°	84.1	85.3	93.7	105.5	127.7	253.4	602.7	1534.4	2653.0	2778.6
75°	70.9	72.5	80.1	87.8	100.1	162.8	282.7	1068.5	1995.1	2077.5
77.5°	39.4	36.3	65.1	72.7	84.5	103.0	132.3	628.8	1117.3	1140.2
80°	24.5	25.3	51.7	58.5	64.9	51.9	60.6	242.1	387.4	368.0
82.5°	1.4	3.3	39.8	42.2	44.5	22.3	22.9	82.2	93.3	85.7
85°	0.0	0.0	18.1	14.6	15.5	6.4	6.6	19.2	12.6	13.6
87.5°	0.0	0.0	0.0	0.4	0.0	0.6	1.2	1.6	0.6	0.8
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°
382.6	0°	382.6	382.6	382.6	382.6	382.6	382.6	382.6	382.6	382.6	382.6
402.2	2.5°	387.8	373.3	344.1	315.4	292.2	270.5	255.1	240.4	233.0	232.6
428.1	5°	399.5	369.2	310.7	259.0	217.4	184.0	162.4	146.9	139.1	136.4
460.1	7.5°	416.0	370.5	281.4	209.5	160.5	131.9	119.5	114.6	112.9	111.1
496.1	10°	436.8	373.3	255.3	168.7	126.5	112.1	107.1	105.1	103.8	102.6
536.7	12.5°	460.1	376.0	229.3	140.1	111.3	103.8	100.3	97.9	96.2	94.8
578.4	15°	482.7	377.7	202.3	120.1	103.4	97.5	93.7	91.1	88.8	87.2
619.1	17.5°	505.2	379.9	177.0	108.2	97.0	91.1	87.4	84.1	82.2	80.4
662.0	20°	530.1	379.5	153.1	99.7	90.7	84.7	80.8	77.7	75.8	73.8
707.3	22.5°	553.2	377.5	132.1	92.5	84.1	78.3	74.0	70.9	69.0	67.4
753.7	25°	579.8	375.8	114.6	85.9	77.9	72.1	67.4	64.5	62.4	61.0
800.3	27.5°	605.3	373.3	101.8	79.9	71.9	66.3	61.8	58.5	56.7	55.6
848.3	30°	630.5	372.7	97.0	74.2	66.6	61.0	56.5	53.4	51.9	51.5
901.0	32.5°	660.8	374.4	99.1	72.1	61.6	56.0	51.7	49.4	48.0	48.0
959.7	35°	693.1	374.0	102.2	74.0	58.3	51.1	47.8	46.4	44.9	44.9
1024.8	37.5°	733.7	374.6	104.7	77.1	57.1	47.0	45.1	43.3	42.4	42.4
1096.1	40°	794.3	395.0	103.4	79.7	56.7	44.1	40.4	39.8	39.1	39.1
1176.7	42.5°	868.5	439.3	105.1	79.9	56.5	42.0	37.1	38.3	36.9	36.7
1267.6	45°	949.6	487.7	115.6	75.6	56.2	41.0	35.4	36.9	34.6	34.6
1372.8	47.5°	1030.2	535.7	126.3	69.4	55.6	40.8	34.0	33.2	32.6	32.8
1510.1	50°	1141.2	574.8	130.4	61.0	54.2	40.4	31.3	31.5	31.1	31.5
1703.5	52.5°	1262.2	583.1	125.5	51.5	50.1	39.1	29.5	30.3	30.1	30.5
1839.7	55°	1337.6	574.2	103.6	42.9	43.7	34.2	27.6	29.3	29.3	29.3
1972.8	57.5°	1415.5	536.5	73.6	34.8	36.3	28.0	26.0	28.2	28.0	27.8
2133.1	60°	1471.5	475.5	48.4	28.6	28.8	23.1	24.1	26.6	26.4	25.3
2298.4	62.5°	1513.4	408.2	31.1	24.3	22.0	20.8	22.0	24.1	23.3	21.0
2438.5	65°	1508.6	314.8	23.9	20.8	18.1	18.1	19.2	21.0	18.5	14.8
2465.3	67.5°	1420.6	213.0	19.8	17.5	15.2	15.0	15.9	17.5	15.9	12.6
2328.0	70°	1263.4	139.3	15.9	13.6	12.2	11.1	12.8	15.0	13.4	10.1
1981.9	72.5°	1025.5	84.9	12.0	9.9	8.9	7.2	10.1	12.4	10.7	7.4
1378.2	75°	663.4	43.3	8.2	6.4	4.7	4.3	7.4	9.3	7.4	4.5
611.5	77.5°	253.8	18.1	4.5	2.9	2.5	2.1	4.1	5.6	3.1	1.0
118.5	80°	48.8	7.6	2.3	1.4	1.2	0.8	0.6	0.4	0.0	0.0
21.0	82.5°	8.4	2.5	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.0
4.1	85°	2.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.4	87.5°	1.0	0.0	0.0	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

<u>180°</u>
382.6
232.2
136.0
110.6
102.2
94.4
86.9
80.1
73.6
67.2
60.8
55.6
51.3
48.0
44.9
42.4
39.1
36.5
34.6
32.8
31.5
30.5
29.3
27.8
25.3
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14.4
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