

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: P939176

Luminaire Tested: **GALN-SB1C-927-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3576 lumens
Efficiency: N/A
Efficacy: 65.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

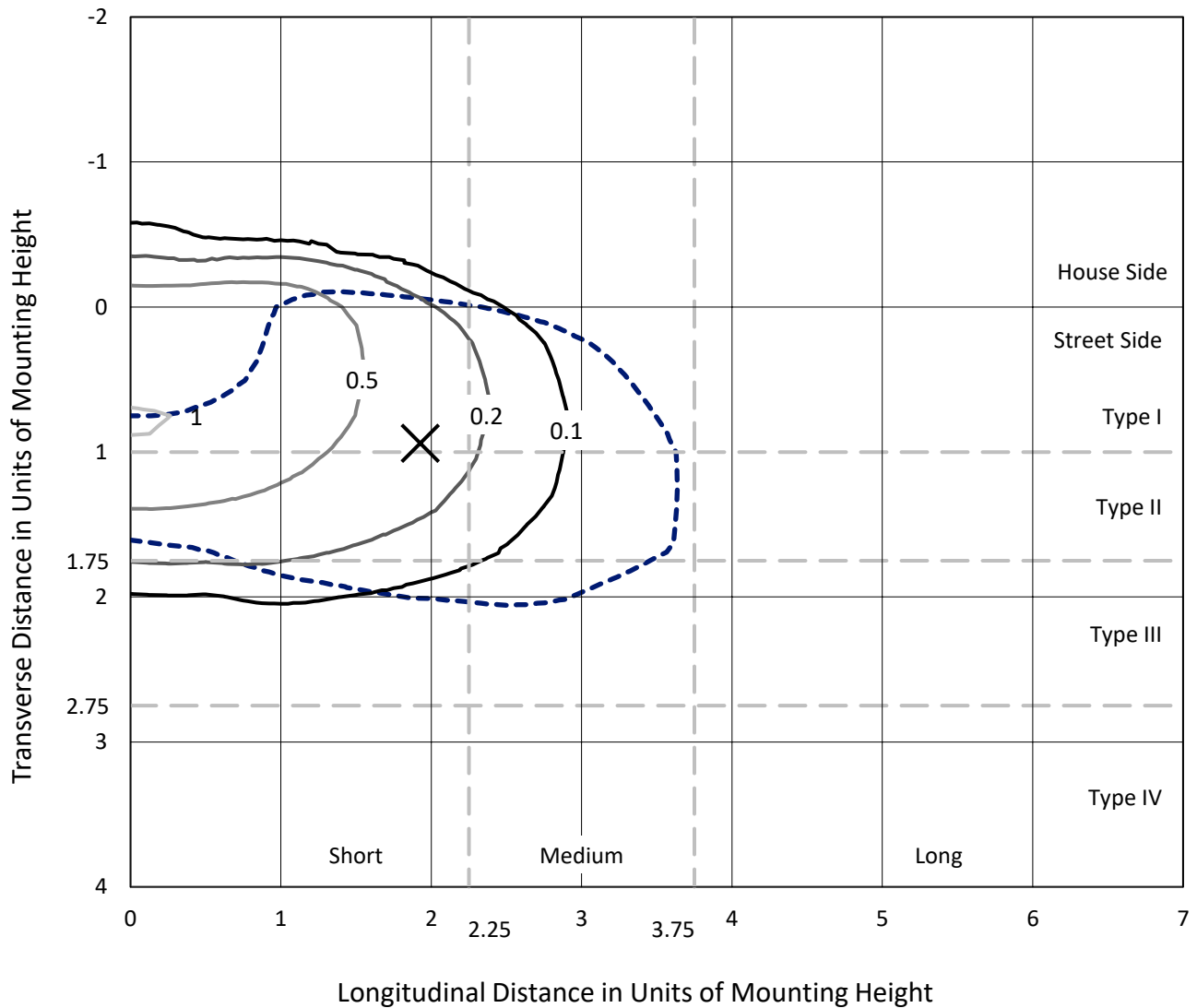
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: GALN-SB1C-927-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

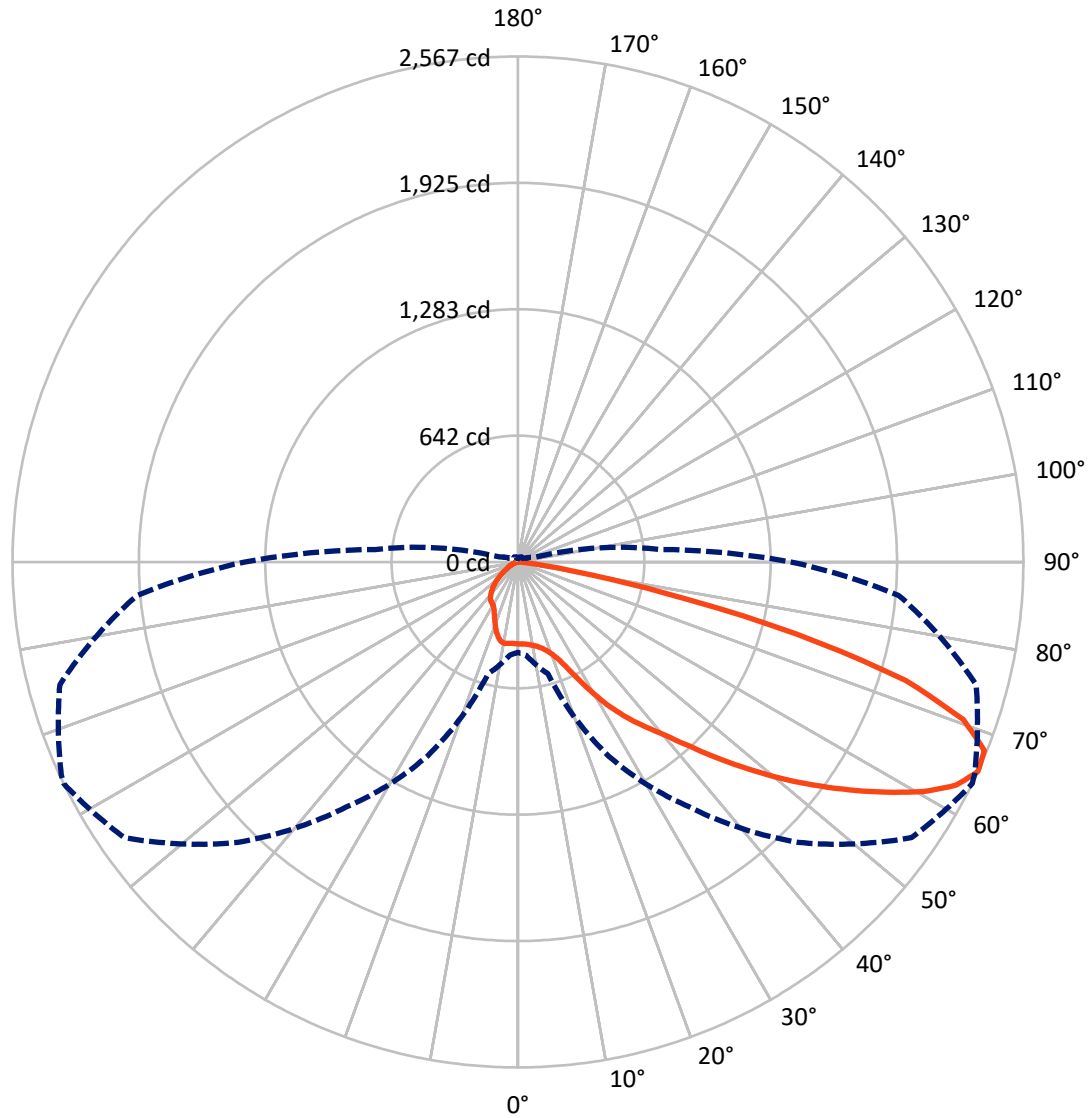
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

REPORT NUMBER: P939176
CATALOG NUMBER: GALN-SB1C-927-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	478.2	0.0	478.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3097.8	0.0	3097.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	3576.0	0.0	3576.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	1.1
10°-20°	104.1	2.9
20°-30°	197.2	5.5
30°-40°	399.1	11.2
40°-50°	679.8	19.0
50°-60°	924.5	25.9
60°-70°	868.2	24.3
70°-80°	347.8	9.7
80°-90°	16.9	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°	3576.0	100.0
0°-180°	3576.0	100.0

Coefficient of Utilization



REPORT NUMBER: P939176

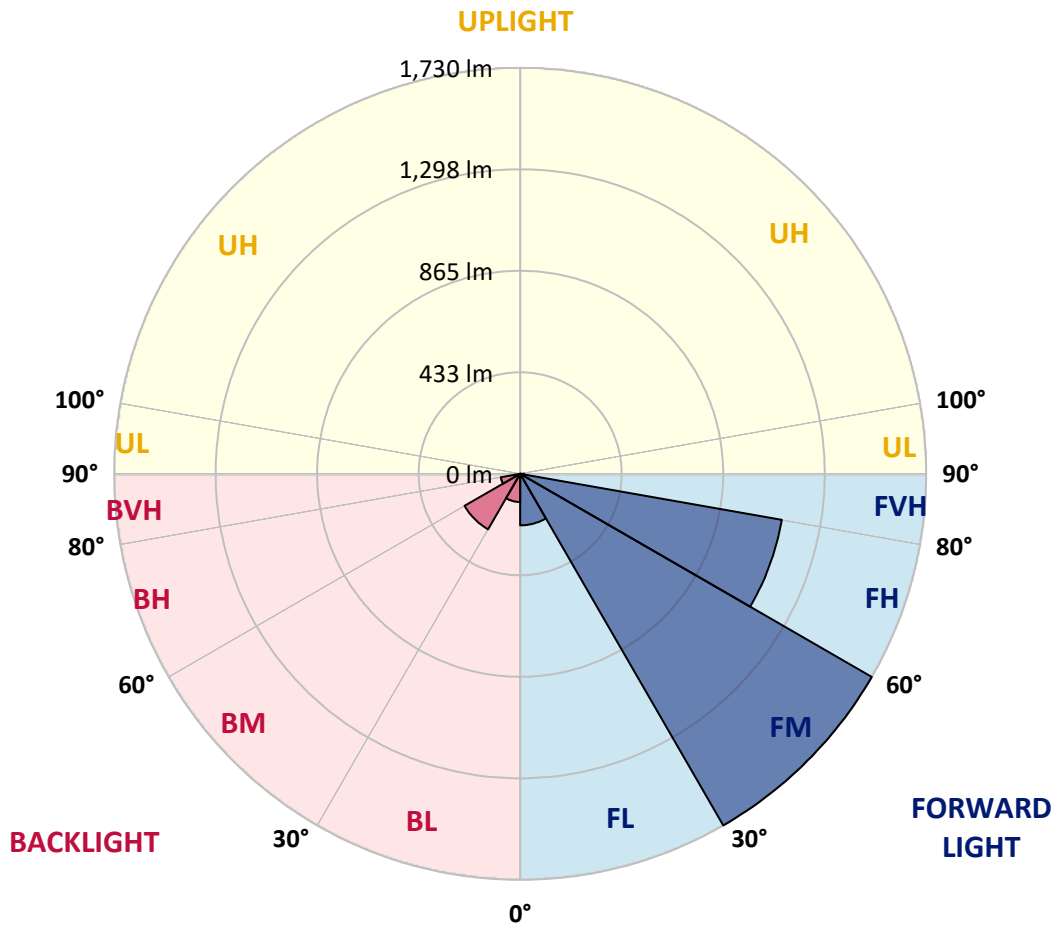
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	219.6	6.1			
FM (30°-60°)	1730.1	48.4			
FH (60°-80°)	1132.1	31.7			G1/1800
FVH (80°-90°)	16.0	0.4			G1/100
BL (0°-30°)	120.1	3.4	B1/500		
BM (30°-60°)	273.4	7.6	B1/1000		
BH (60°-80°)	83.9	2.3	B0/110		G0/110
BVH (80°-90°)	0.8	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 III Short



REPORT NUMBER: P939176

CATALOG NUMBER: GALN-SB1C-927-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	415.9	415.9	415.9	415.9	415.9	415.9	415.9	415.9	415.9	415.9
2.5°	414.5	417.4	416.6	415.9	415.7	416.2	416.4	416.2	416.2	416.2
5°	406.6	409.0	409.0	410.7	413.0	415.9	418.1	418.6	419.0	419.8
7.5°	391.5	393.4	394.8	400.3	406.3	414.0	420.5	423.8	424.3	427.0
10°	381.2	383.6	386.0	391.7	400.3	411.9	422.9	431.0	432.2	438.5
12.5°	380.7	383.1	386.2	392.4	402.5	414.7	428.2	439.9	442.1	451.2
15°	385.7	388.6	391.5	399.1	409.9	424.8	439.2	453.8	456.0	468.9
17.5°	396.0	399.9	402.0	409.7	421.2	437.7	456.7	473.5	475.4	490.5
20°	416.4	421.0	421.7	427.9	439.2	456.9	479.5	500.3	502.7	520.0
22.5°	458.6	465.1	459.3	462.4	472.5	490.2	514.7	541.1	544.4	564.1
25°	532.9	542.0	527.2	521.9	526.2	544.7	575.3	608.7	612.5	628.3
27.5°	678.9	667.2	644.6	622.6	609.6	620.2	654.7	695.9	700.7	716.1
30°	839.3	829.0	798.5	749.6	718.9	717.3	749.1	795.2	800.7	815.3
32.5°	999.9	990.1	957.0	896.8	843.6	817.2	839.3	890.3	893.2	902.6
35°	1157.9	1147.8	1114.7	1053.1	987.7	927.7	923.4	981.0	981.9	991.7
37.5°	1316.8	1308.4	1273.2	1212.8	1148.3	1065.6	1025.6	1066.8	1068.0	1077.6
40°	1430.2	1433.8	1409.6	1362.8	1307.5	1217.1	1140.1	1158.1	1150.9	1167.0
42.5°	1527.5	1534.7	1513.6	1490.1	1458.0	1378.4	1282.1	1278.9	1267.4	1276.1
45°	1611.7	1617.7	1598.7	1593.2	1592.5	1536.6	1437.2	1418.5	1402.4	1400.7
47.5°	1642.6	1654.1	1662.3	1680.7	1716.7	1693.2	1597.5	1568.5	1550.6	1537.4
50°	1654.4	1666.6	1694.4	1748.1	1833.2	1843.3	1757.2	1724.6	1702.5	1678.6
52.5°	1638.5	1660.3	1697.7	1788.1	1911.6	1963.6	1910.4	1881.9	1856.7	1817.6
55°	1545.3	1567.1	1643.6	1787.6	1950.7	2048.0	2055.2	2042.5	2014.2	1952.6
57.5°	1348.7	1381.1	1502.1	1726.8	1949.9	2120.6	2197.1	2206.2	2174.6	2086.3
60°	1076.4	1120.2	1267.9	1591.8	1889.8	2159.9	2321.5	2367.1	2333.5	2218.2
62.5°	751.1	801.9	941.6	1380.3	1752.2	2131.7	2412.4	2496.5	2471.1	2336.1
65°	458.1	474.4	587.1	1086.2	1518.2	2013.2	2440.4	2566.5	2558.1	2408.3
67.5°	305.2	318.8	351.2	744.8	1178.5	1776.6	2373.3	2554.3	2556.7	2396.5
70°	183.9	195.6	216.7	433.2	763.8	1406.2	2165.5	2398.5	2412.4	2239.5
72.5°	75.8	83.7	102.8	196.3	395.5	892.5	1724.4	2059.3	2091.6	1883.1
75°	42.9	47.0	60.4	98.5	171.6	415.9	1044.5	1461.9	1509.6	1297.9
77.5°	28.5	30.4	39.1	63.8	96.6	141.9	446.4	761.6	852.7	708.9
80°	19.2	20.9	26.8	42.7	62.8	60.9	142.2	282.2	347.1	243.6
82.5°	12.9	13.2	19.2	28.0	39.8	29.5	42.0	87.7	110.3	70.5
85°	7.4	7.2	14.1	16.3	17.7	12.2	12.7	26.4	34.5	29.7
87.5°	1.0	1.4	5.5	4.3	2.4	2.6	2.6	4.6	6.7	7.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939176
 CATALOG NUMBER: GALN-SB1C-927-U-T3-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
415.9	0°	415.9	415.9	415.9	415.9	415.9	415.9	415.9	415.9	415.9	415.9
416.4	2.5°	416.4	416.2	415.4	414.7	413.0	412.1	412.6	412.1	411.9	412.1
419.5	5°	419.5	418.8	416.9	414.5	411.1	407.1	404.4	400.6	397.0	394.8
427.9	7.5°	427.9	427.2	424.6	417.8	407.1	390.0	374.5	360.8	350.5	344.5
441.3	10°	441.3	440.1	436.1	421.2	392.9	355.8	324.8	299.2	282.4	274.5
457.2	12.5°	457.2	455.7	448.5	418.1	366.1	308.0	265.4	236.9	221.3	214.3
475.4	15°	475.9	473.9	459.8	403.2	327.0	255.3	216.2	194.9	184.8	178.6
498.6	17.5°	499.1	495.8	468.2	380.9	284.6	215.0	186.0	170.0	161.1	155.1
529.1	20°	529.3	523.8	474.9	354.3	245.5	189.6	165.7	152.2	145.5	140.2
572.2	22.5°	571.5	563.6	483.0	325.5	217.9	172.1	150.5	140.7	135.2	129.2
632.4	25°	623.8	614.4	493.1	298.9	199.0	157.0	139.5	131.4	124.9	117.9
711.3	27.5°	696.9	680.1	505.1	277.1	182.7	144.1	129.5	120.3	112.9	107.2
800.7	30°	778.4	750.8	515.7	263.9	167.8	132.1	116.3	107.2	100.2	96.1
881.0	32.5°	855.6	818.2	522.6	258.2	154.4	118.4	101.9	92.1	86.8	85.6
959.6	35°	928.5	879.1	521.9	252.7	142.4	104.8	87.7	77.7	73.6	74.3
1044.2	37.5°	1012.4	944.0	516.9	244.0	132.6	92.3	75.5	66.6	63.0	63.3
1147.1	40°	1109.9	1019.1	513.7	227.7	121.8	80.8	65.4	58.3	55.6	54.7
1255.4	42.5°	1214.0	1091.7	514.2	209.3	108.4	70.5	58.5	52.5	50.1	49.4
1376.0	45°	1318.5	1161.0	514.9	190.1	94.2	62.6	53.5	48.4	47.0	46.0
1498.3	47.5°	1416.8	1220.0	501.5	169.5	80.3	56.6	49.4	46.0	44.8	43.6
1621.0	50°	1508.4	1259.3	469.1	145.5	69.3	51.8	46.3	43.9	42.7	41.5
1732.3	52.5°	1579.6	1265.5	415.7	120.8	61.6	48.2	44.3	42.2	40.8	39.6
1822.2	55°	1611.2	1226.4	339.7	97.8	55.6	45.1	42.4	40.3	38.6	37.4
1892.9	57.5°	1603.1	1144.2	264.9	78.6	49.9	42.0	40.0	38.6	36.7	34.8
1950.2	60°	1563.0	1034.2	199.7	65.4	44.6	38.6	37.4	36.2	33.6	30.7
1972.2	62.5°	1493.7	895.9	142.4	54.2	38.8	34.8	34.3	33.3	29.5	24.2
1939.6	65°	1387.8	727.8	95.9	45.1	33.3	30.4	30.7	29.0	24.0	18.0
1820.2	67.5°	1232.9	532.2	61.4	36.9	27.8	25.4	25.7	24.7	20.4	15.3
1593.9	70°	1035.6	352.4	40.0	28.0	22.3	19.7	21.1	21.3	17.3	12.5
1223.3	72.5°	759.2	208.1	28.0	20.9	16.3	13.7	17.3	17.7	13.9	9.3
736.0	75°	432.7	98.8	21.1	15.1	10.1	9.6	13.4	13.4	9.6	6.2
318.6	77.5°	181.7	41.2	14.9	9.8	5.8	5.5	9.1	8.4	4.8	2.9
77.7	80°	52.5	18.5	7.9	4.8	2.4	2.2	3.6	2.6	1.2	0.5
29.5	82.5°	20.6	8.2	3.1	1.9	1.0	1.0	0.5	0.0	0.0	0.0
16.8	85°	12.2	3.4	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0
3.6	87.5°	3.1	0.7	0.5	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>
415.9
413.0
395.3
344.7
273.8
213.6
178.8
154.6
139.3
128.3
117.2
106.0
95.4
86.3
74.3
64.2
54.4
49.1
46.0
43.6
41.5
39.3
37.2
34.5
30.2
23.7
17.5
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