

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: P945811

Luminaire Tested: **GALN-SB1C-927-U-T2U-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)
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-T2U-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3485 lumens
Efficiency: N/A
Efficacy: 64.1 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

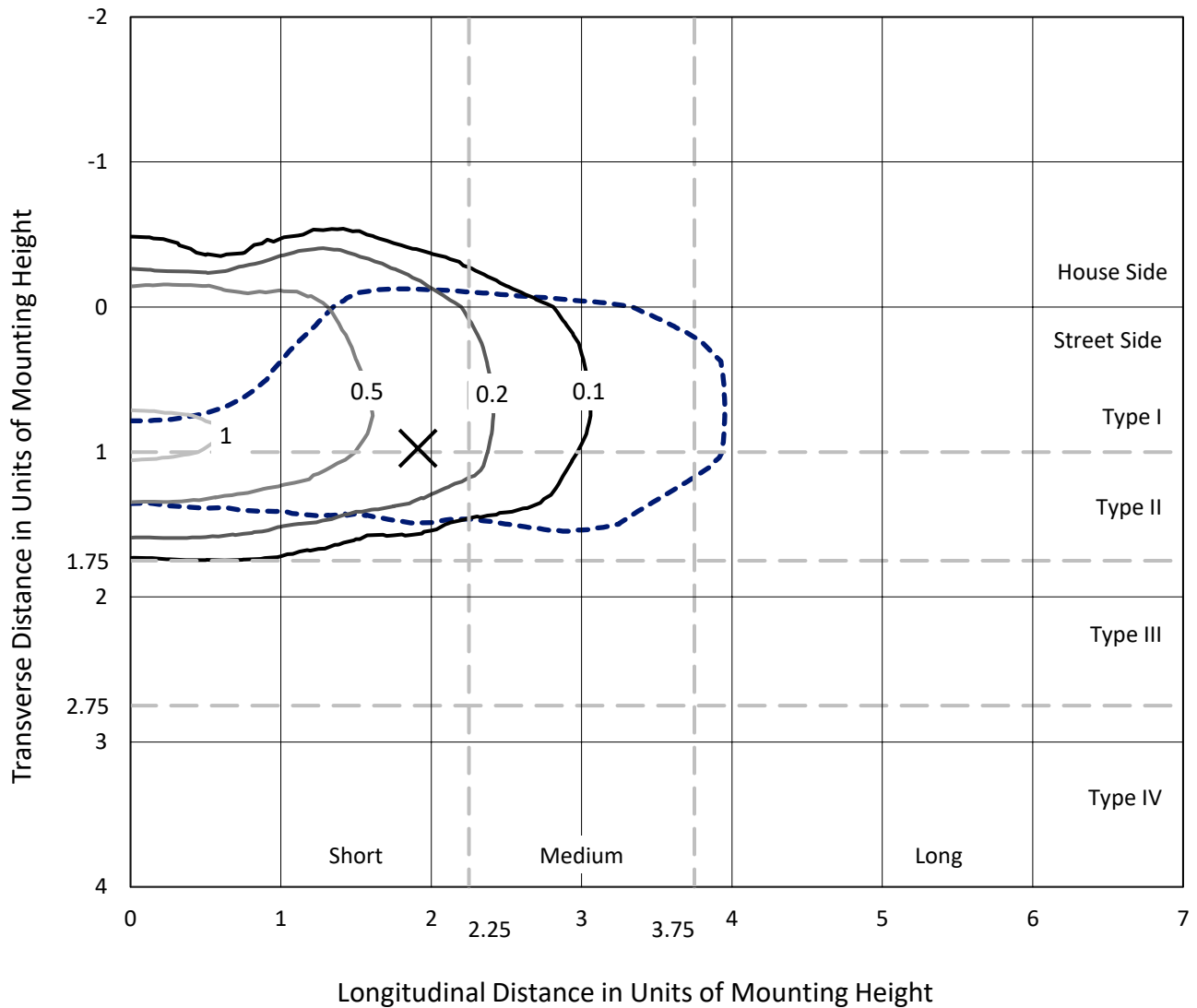
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: GALN-SB1C-927-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

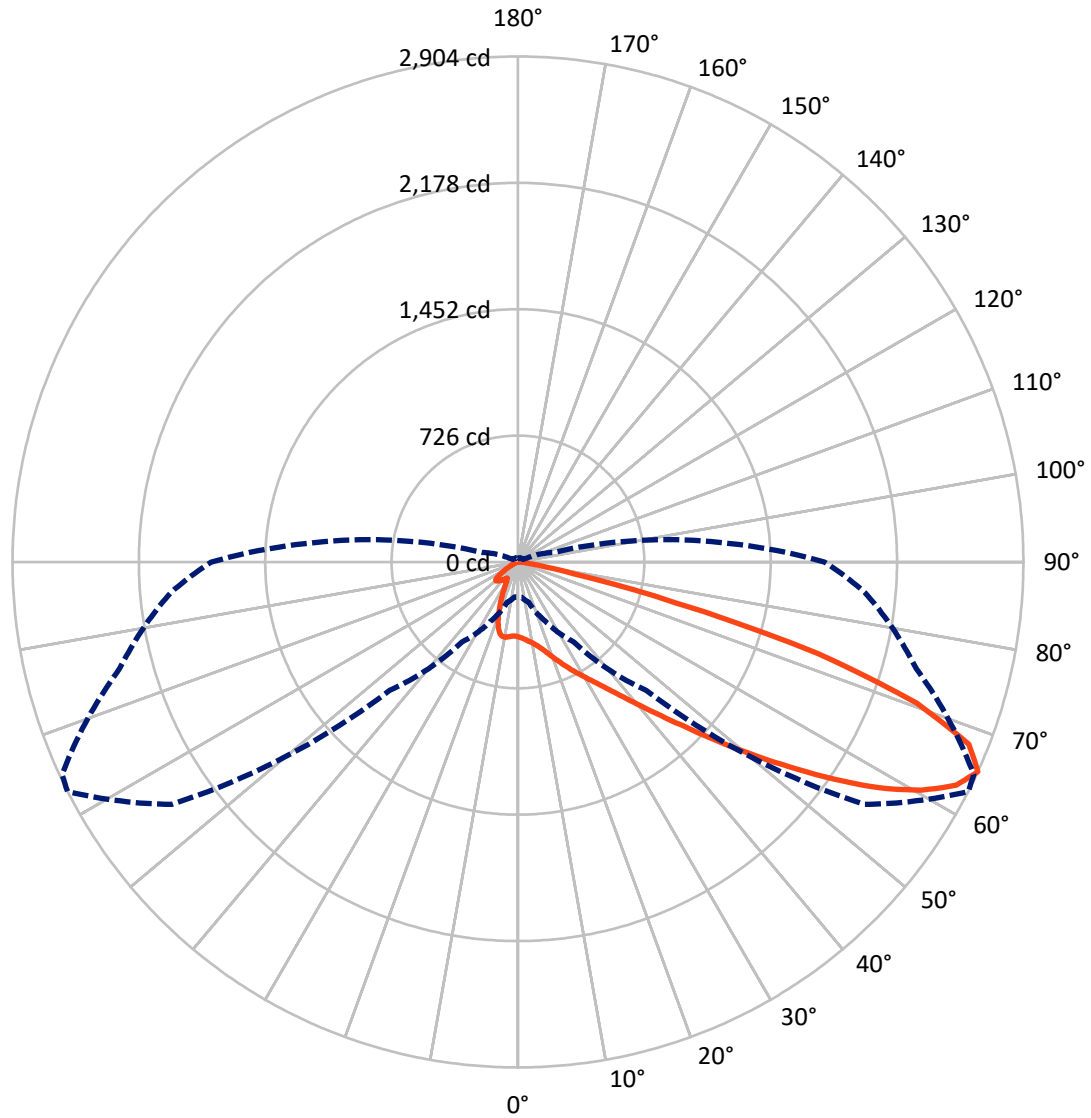
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

REPORT NUMBER: P945811
CATALOG NUMBER: GALN-SB1C-927-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	512.3	0.0	512.3
	% Fixture	14.7	0.0	14.7
Street Side	Lumens	2972.7	0.0	2972.7
	% Fixture	85.3	0.0	85.3
Total	Lumens	3485.0	0.0	3485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.5	1.2
10°-20°	112.4	3.2
20°-30°	195.8	5.6
30°-40°	352.9	10.1
40°-50°	699.9	20.1
50°-60°	953.4	27.4
60°-70°	761.0	21.8
70°-80°	344.4	9.9
80°-90°	24.7	0.7
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°	3485.0	100.0
0°-180°	3485.0	100.0

Coefficient of Utilization



REPORT NUMBER: P945811

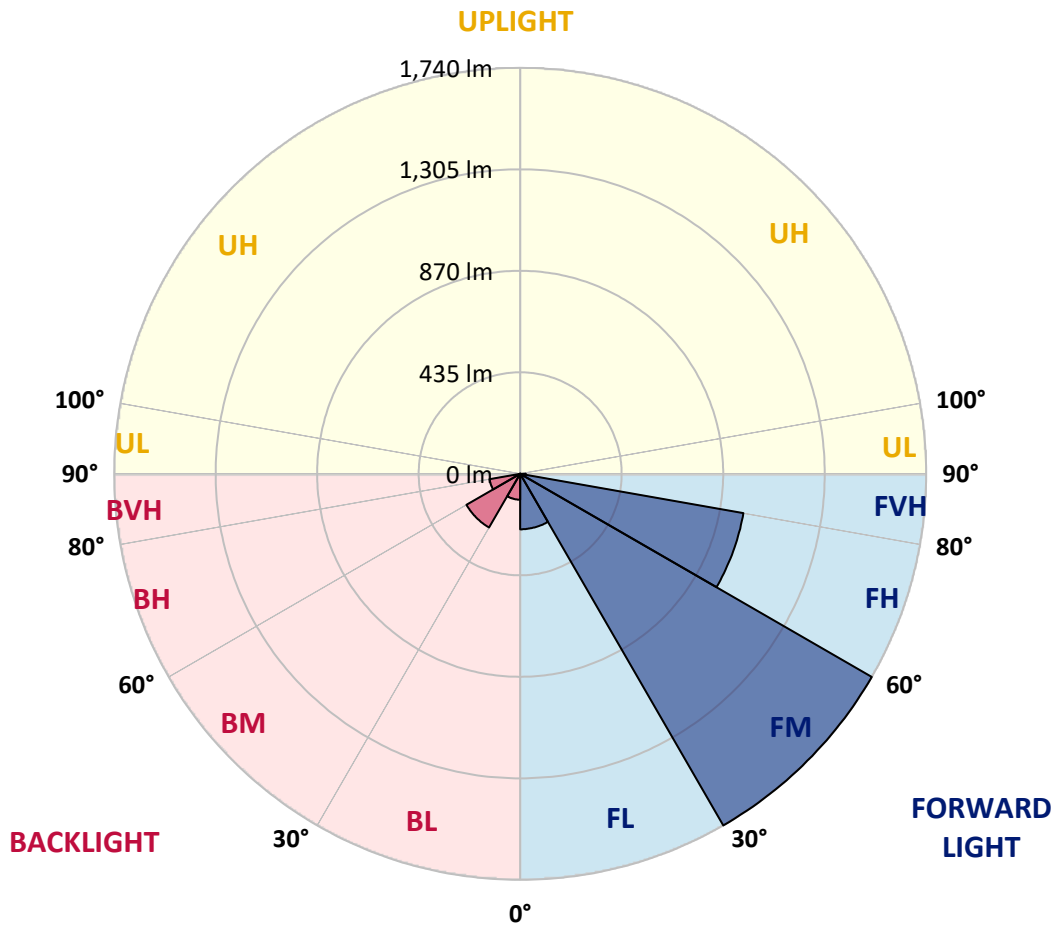
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	237.9	6.8			
FM (30°-60°)	1740.3	49.9			
FH (60°-80°)	971.6	27.9			G1/1800
FVH (80°-90°)	22.9	0.7			G1/100
BL (0°-30°)	110.9	3.2	B1/500		
BM (30°-60°)	265.8	7.6	B1/1000		
BH (60°-80°)	133.7	3.8	B1/500		G1/500
BVH (80°-90°)	1.8	0.1			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 II Short



REPORT NUMBER: P945811

CATALOG NUMBER: GALN-SB1C-927-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	430.1	430.1	430.1	430.1	430.1	430.1	430.1	430.1	430.1	430.1
2.5°	440.2	439.0	440.7	439.9	439.5	438.5	438.0	437.5	436.6	435.9
5°	441.4	440.7	442.3	443.8	445.2	446.7	447.4	448.3	447.4	445.5
7.5°	431.3	430.8	434.4	438.7	445.2	450.7	456.7	460.1	460.3	459.6
10°	430.6	429.4	433.0	438.3	446.7	456.5	467.0	474.2	475.2	478.3
12.5°	441.9	440.7	445.7	451.5	460.1	470.4	483.3	493.4	494.8	499.2
15°	460.8	459.1	464.9	472.3	483.3	495.1	508.8	517.9	519.1	524.3
17.5°	482.9	481.2	487.9	495.8	507.8	523.9	539.7	549.8	551.2	554.5
20°	511.2	509.0	514.3	521.5	534.2	553.3	572.3	586.7	586.4	586.4
22.5°	544.0	540.6	545.2	550.9	562.9	586.2	611.4	628.4	628.4	621.7
25°	579.2	575.9	580.9	586.2	596.7	623.1	652.6	673.7	674.7	663.2
27.5°	623.4	619.0	622.9	629.1	635.3	662.2	697.2	721.7	722.1	704.4
30°	708.2	696.0	684.0	677.3	680.2	706.8	744.2	771.3	773.7	749.2
32.5°	863.6	861.2	819.0	763.8	735.1	754.7	796.7	829.3	830.7	799.3
35°	1105.0	1102.1	1034.3	929.3	835.5	819.0	860.5	899.1	898.1	862.6
37.5°	1393.2	1390.6	1301.1	1160.6	1008.9	916.1	942.7	983.2	989.2	942.7
40°	1639.4	1629.6	1573.0	1437.6	1239.0	1077.2	1059.7	1086.6	1092.8	1037.6
42.5°	1826.0	1817.6	1788.8	1704.2	1517.6	1315.5	1197.6	1207.9	1214.8	1148.7
45°	1922.6	1920.7	1932.2	1924.2	1801.5	1608.0	1394.6	1351.7	1354.4	1271.6
47.5°	1936.2	1935.3	1987.8	2062.1	2045.6	1937.9	1647.6	1531.1	1521.7	1410.5
50°	1855.7	1853.8	1954.5	2093.8	2208.6	2215.1	1934.8	1733.2	1712.5	1554.1
52.5°	1598.4	1597.9	1763.4	1995.2	2265.9	2457.7	2218.7	1955.2	1920.7	1706.1
55°	1229.9	1238.8	1428.4	1702.5	2161.4	2574.5	2473.5	2201.6	2148.7	1859.0
57.5°	871.3	884.2	1071.7	1315.8	1837.2	2505.4	2645.9	2448.6	2391.5	2011.5
60°	468.0	479.5	667.2	958.5	1366.8	2247.9	2736.8	2662.9	2609.0	2156.3
62.5°	278.8	282.7	360.3	618.8	924.5	1717.3	2698.2	2826.2	2781.8	2277.9
65°	200.2	200.9	240.0	377.8	561.3	1043.4	2427.5	2904.4	2890.7	2369.5
67.5°	168.5	168.1	184.4	251.0	382.4	522.7	1860.5	2793.8	2851.8	2427.5
70°	144.6	145.3	164.5	183.9	287.5	295.9	925.0	2432.5	2556.2	2442.8
72.5°	107.6	110.0	127.8	167.6	217.0	203.5	319.3	1803.7	2027.3	2301.6
75°	76.0	77.2	89.9	141.0	161.8	148.2	163.0	932.4	1219.1	1764.6
77.5°	58.5	60.7	68.1	98.5	159.4	104.1	99.7	322.7	495.8	1065.9
80°	31.6	35.5	49.1	71.2	112.0	73.6	49.4	128.5	168.1	498.4
82.5°	16.3	18.2	34.3	51.3	63.8	64.3	24.5	53.5	69.3	153.9
85°	6.5	7.9	23.0	28.3	32.8	31.6	11.0	21.6	24.9	42.7
87.5°	1.4	2.4	8.4	6.5	6.2	6.7	2.6	5.0	4.8	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945811
 CATALOG NUMBER: GALN-SB1C-927-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
430.1	0°	430.1	430.1	430.1	430.1	430.1	430.1	430.1	430.1	430.1	430.1
433.0	2.5°	432.8	431.8	429.2	426.3	422.9	421.0	419.8	419.6	417.9	416.7
442.6	5°	439.9	439.0	434.0	428.0	421.5	416.4	411.7	407.3	401.1	399.9
456.5	7.5°	454.3	451.7	443.5	435.4	423.2	408.5	390.8	370.4	352.2	346.7
474.9	10°	472.1	468.5	458.2	443.8	416.7	376.9	334.0	294.2	262.5	253.7
496.8	12.5°	492.2	489.1	475.4	448.8	389.6	317.4	251.7	202.4	171.7	164.0
520.0	15°	516.2	511.6	492.7	441.1	341.2	241.2	172.9	143.6	132.6	131.1
546.6	17.5°	541.6	534.2	508.0	413.6	276.0	171.4	133.5	125.2	120.4	118.9
573.5	20°	564.9	555.3	517.1	371.9	206.2	133.5	119.6	114.1	109.8	108.1
600.3	22.5°	588.1	574.4	517.1	315.0	154.6	118.4	109.8	104.8	99.7	97.6
629.1	25°	612.3	594.1	508.0	251.7	124.4	108.6	100.5	94.9	90.6	88.0
656.4	27.5°	635.8	610.6	487.2	191.8	110.8	100.0	91.8	86.6	82.5	80.6
686.2	30°	658.1	627.0	457.9	145.5	101.9	91.6	83.9	79.4	75.3	73.4
724.8	32.5°	688.3	647.6	426.8	119.4	94.2	83.7	76.7	72.4	68.8	67.4
774.9	35°	730.3	678.0	399.9	117.2	87.7	77.2	70.2	66.2	62.6	61.4
839.6	37.5°	789.7	727.2	385.8	131.6	82.5	71.4	65.0	60.7	57.3	56.3
921.8	40°	863.1	793.8	393.4	146.0	78.9	66.4	60.2	55.9	53.0	51.8
1016.3	42.5°	950.1	876.1	435.9	157.0	76.5	62.1	55.6	50.8	48.9	48.4
1123.5	45°	1050.1	966.4	500.8	168.8	72.6	58.0	51.1	47.5	46.0	45.8
1240.0	47.5°	1163.8	1065.7	576.1	183.4	68.8	54.2	47.5	45.1	43.9	43.4
1361.6	50°	1276.4	1165.7	653.6	191.6	65.7	50.6	44.6	42.7	41.7	41.5
1490.1	52.5°	1394.4	1268.5	716.1	183.9	63.1	47.7	42.2	40.8	39.8	39.6
1608.5	55°	1506.8	1351.7	726.9	156.1	57.8	44.8	39.6	38.8	37.6	37.6
1728.6	57.5°	1603.7	1393.4	650.7	114.6	52.5	40.5	36.9	36.2	35.2	35.0
1837.0	60°	1692.6	1381.5	502.3	77.2	46.8	36.2	33.6	33.1	32.1	30.9
1931.2	62.5°	1742.8	1328.7	343.6	50.3	41.0	31.6	29.7	29.5	27.3	24.9
2001.0	65°	1761.7	1220.3	214.3	36.7	34.3	27.1	25.7	25.2	22.1	19.4
2040.5	67.5°	1745.2	1042.0	108.1	29.0	27.1	22.5	21.1	21.1	18.9	16.5
2038.1	70°	1679.0	781.1	45.6	23.3	20.9	17.3	17.3	18.2	16.1	13.4
1932.4	72.5°	1535.4	525.5	24.2	17.7	15.6	12.2	14.1	14.9	12.7	10.1
1581.6	75°	1220.6	320.5	16.8	13.2	9.8	8.6	10.8	11.3	8.6	6.7
1084.4	77.5°	834.8	184.1	11.3	8.4	6.2	5.0	7.4	7.0	4.6	3.1
418.1	80°	366.6	76.7	6.5	3.8	2.4	1.9	2.6	1.9	1.4	1.0
57.3	82.5°	42.9	18.0	2.4	1.4	1.0	0.5	0.2	0.0	0.0	0.0
17.5	85°	8.9	2.2	1.2	0.5	0.2	0.0	0.0	0.0	0.0	0.0
3.1	87.5°	1.7	0.5	0.2	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>
430.1
417.9
399.4
344.0
250.3
161.8
129.7
118.2
107.2
96.4
87.0
80.6
73.6
67.4
61.4
56.1
51.5
48.4
45.6
43.4
41.5
39.6
37.4
34.8
30.7
24.5
19.2
16.3
13.2
10.1
6.5
3.4
1.0
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