

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: P945447

Luminaire Tested: **GALN-SB1B-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945447
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-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3351 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

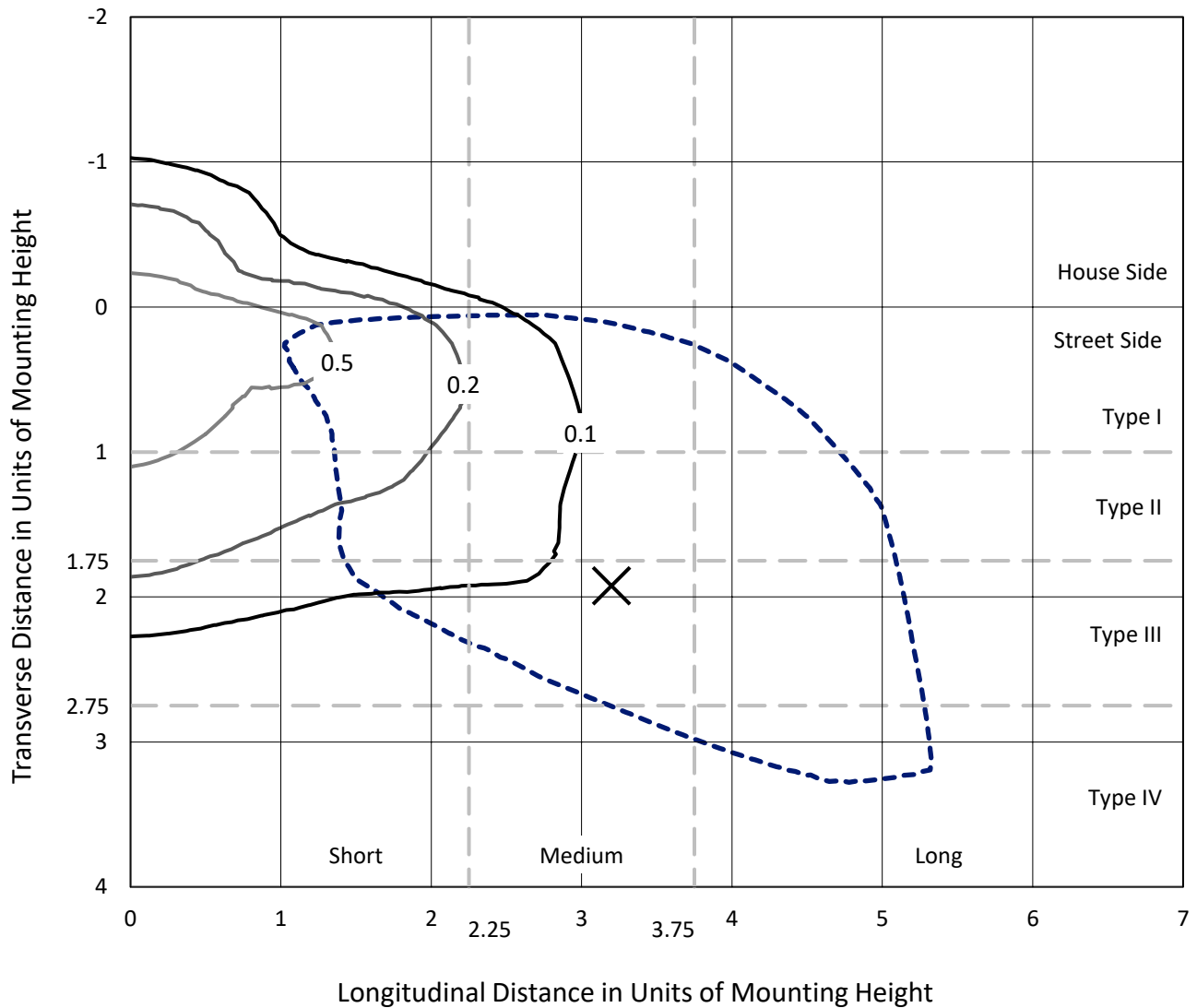
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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 CATALOG NUMBER: GALN-SB1B-927-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

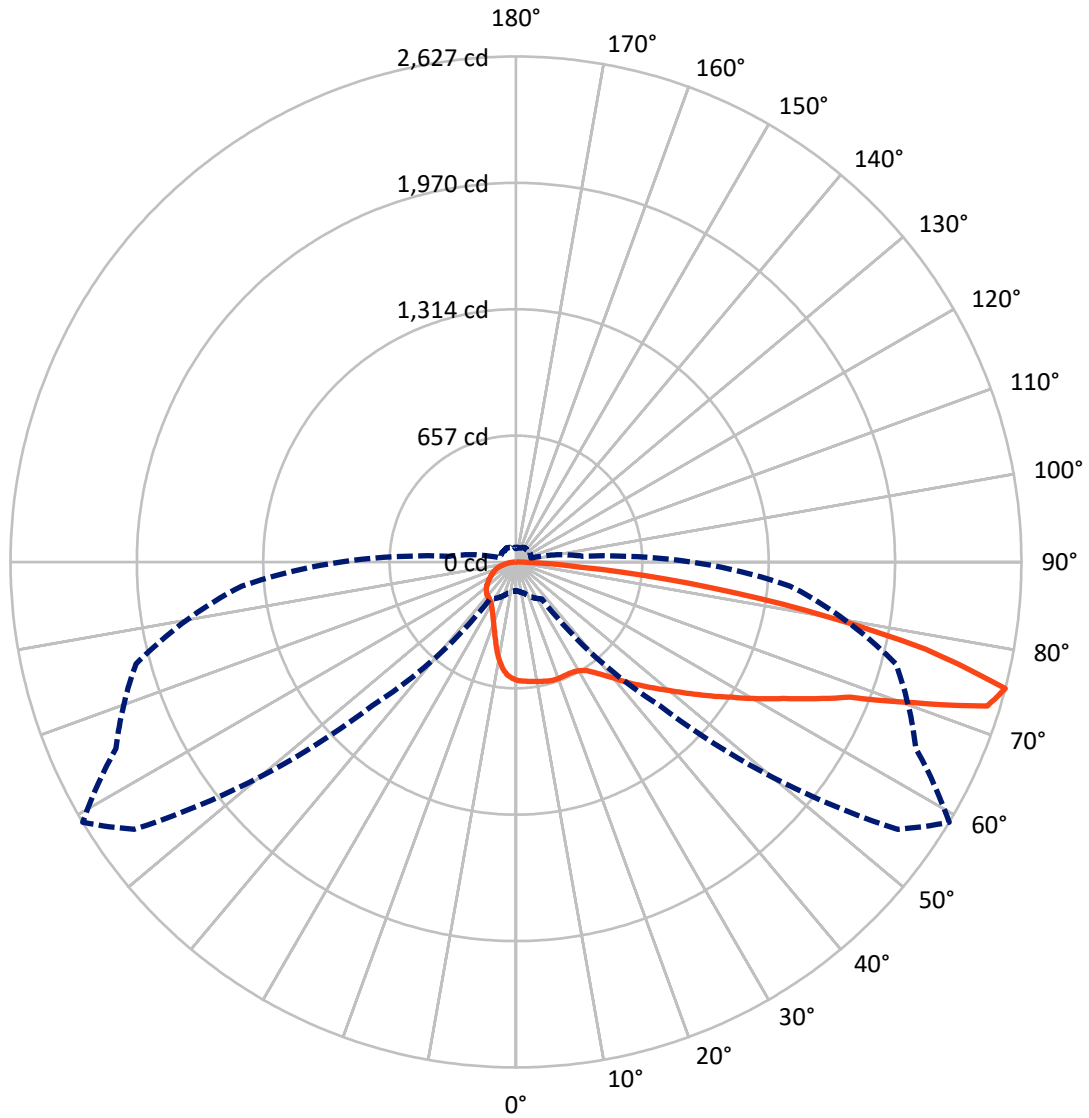
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	628.5	0.0	628.5
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	2722.5	0.0	2722.5
	% Fixture	81.2	0.0	81.2
Total	Lumens	3351.0	0.0	3351.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.6
10°-20°	141.0	4.2
20°-30°	214.1	6.4
30°-40°	318.3	9.5
40°-50°	473.3	14.1
50°-60°	642.5	19.2
60°-70°	784.4	23.4
70°-80°	615.6	18.4
80°-90°	106.6	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°	3351.0	100.0
0°-180°	3351.0	100.0

Coefficient of Utilization



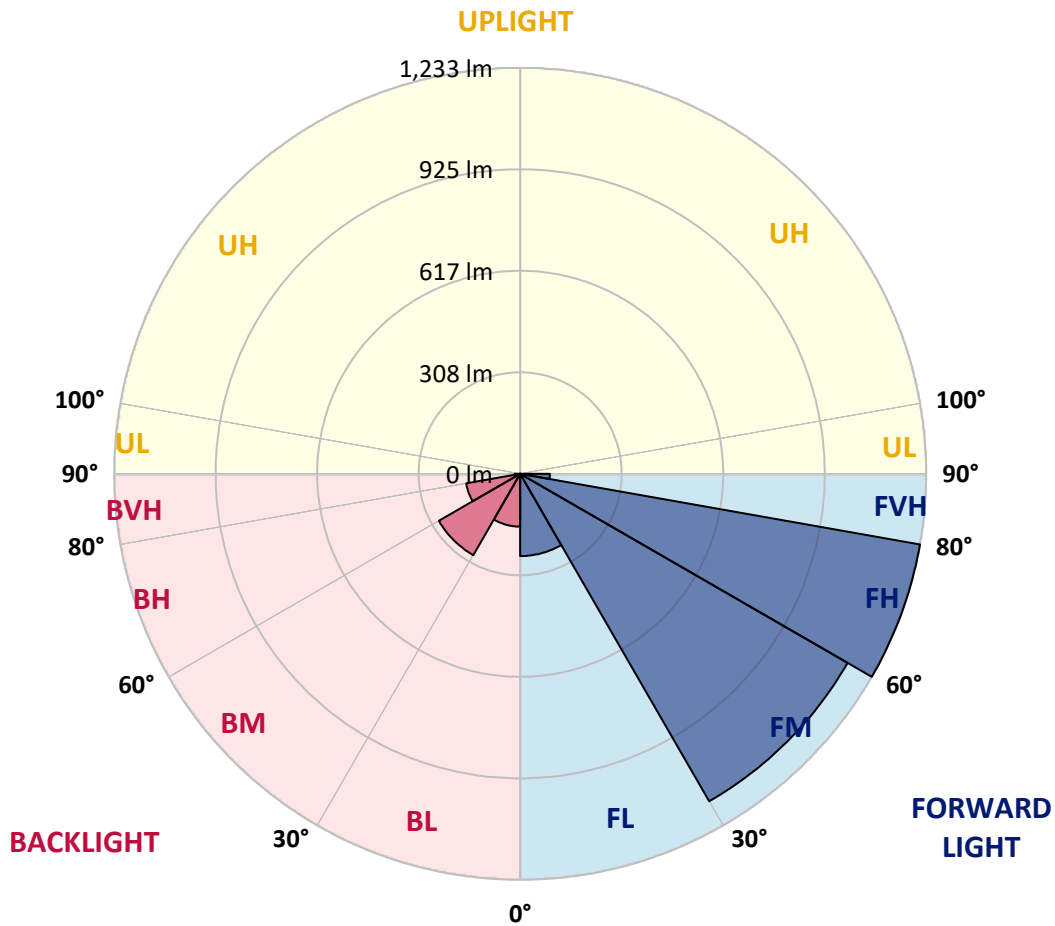
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	249.9	7.5			
FM (30°-60°)	1148.9	34.3			
FH (60°-80°)	1233.5	36.8			G1/1800
FVH (80°-90°)	90.3	2.7			G1/100
BL (0°-30°)	160.4	4.8	B1/500		
BM (30°-60°)	285.3	8.5	B1/1000		
BH (60°-80°)	166.5	5.0	B1/500		G1/500
BVH (80°-90°)	16.3	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-G1

Type IV Medium



REPORT NUMBER: P945447

CATALOG NUMBER: GALN-SB1B-927-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1
2.5°	620.3	618.1	620.3	619.4	619.0	618.3	618.5	619.8	619.0	619.9
5°	616.2	614.9	617.1	616.5	618.9	619.2	621.6	623.0	623.9	624.1
7.5°	609.3	608.0	611.1	613.6	618.7	620.1	625.0	627.3	628.6	630.8
10°	584.2	583.7	591.3	600.8	612.7	620.1	627.5	631.5	633.5	639.2
12.5°	539.9	540.6	550.5	568.9	592.7	616.5	630.4	636.2	639.2	646.4
15°	497.5	497.4	508.2	527.8	561.2	600.6	631.8	641.7	647.0	657.6
17.5°	473.0	472.3	479.9	494.8	525.8	576.3	628.2	644.8	656.0	669.3
20°	468.5	467.1	471.0	478.4	500.4	549.6	618.9	644.8	663.2	680.5
22.5°	484.9	482.6	481.0	480.0	489.8	527.6	608.2	642.6	673.8	696.5
25°	517.9	514.3	506.0	497.9	495.0	517.7	598.8	642.1	689.7	718.2
27.5°	571.3	566.8	550.0	530.5	513.0	522.8	594.7	645.4	707.2	741.1
30°	637.4	632.6	611.5	581.5	550.2	541.5	599.9	654.9	729.5	771.5
32.5°	696.7	691.3	673.3	642.8	600.5	574.0	616.5	673.1	764.7	813.9
35°	749.4	743.1	726.8	698.7	662.1	619.6	646.4	705.4	814.6	882.8
37.5°	800.9	793.5	775.9	746.1	720.5	680.3	687.7	746.8	881.0	966.4
40°	858.6	848.0	826.5	797.1	772.3	751.5	742.0	797.7	948.4	1059.8
42.5°	914.5	904.4	878.8	853.7	822.6	816.6	804.9	857.2	1022.1	1162.4
45°	974.7	962.6	931.6	899.9	880.2	859.9	865.8	916.7	1094.4	1266.9
47.5°	1031.1	1017.6	981.0	945.7	934.9	896.3	921.7	982.1	1169.6	1372.9
50°	1061.6	1048.2	1017.8	985.9	977.4	941.2	982.3	1054.0	1248.3	1478.5
52.5°	1087.0	1072.6	1032.7	1015.1	1012.6	990.0	1056.9	1136.2	1327.1	1571.9
55°	1114.0	1098.0	1047.2	1031.3	1042.8	1044.8	1145.4	1229.4	1410.4	1663.0
57.5°	1145.2	1124.9	1061.0	1045.0	1072.4	1109.0	1247.1	1326.0	1492.2	1747.3
60°	1174.6	1154.1	1087.7	1066.8	1104.3	1183.4	1363.7	1443.0	1584.9	1822.5
62.5°	1180.4	1163.4	1109.0	1108.8	1147.6	1270.3	1501.8	1561.1	1665.8	1896.8
65°	1080.5	1069.9	1037.6	1107.2	1209.6	1395.4	1655.6	1712.2	1768.8	1961.7
67.5°	822.4	823.8	821.5	955.8	1159.5	1575.2	1878.2	1873.9	1895.9	2034.5
70°	376.0	384.5	439.7	659.8	928.9	1595.9	2246.3	2190.2	2055.4	2128.8
72.5°	203.2	209.6	232.2	319.6	558.5	1418.9	2521.4	2561.2	2267.6	2192.2
75°	149.1	152.7	168.4	203.2	234.5	1054.6	2422.8	2627.2	2294.1	2044.2
77.5°	111.6	113.2	126.0	161.0	120.1	555.9	1935.9	2175.8	1963.8	1679.5
80°	80.9	82.7	92.3	120.8	84.2	203.3	1329.3	1527.2	1345.0	1070.6
82.5°	55.9	56.6	60.7	82.2	58.8	79.0	754.2	895.6	750.8	375.7
85°	33.7	34.6	36.4	48.0	33.3	37.5	325.6	336.7	224.4	89.8
87.5°	13.9	14.8	16.2	20.2	13.2	10.5	53.7	67.4	42.0	26.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P945447
 CATALOG NUMBER: GALN-SB1B-927-U-SL3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
615.1	0°	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1	615.1
616.9	2.5°	616.0	614.7	611.3	606.6	602.3	596.9	594.5	592.5	590.7	587.3
621.7	5°	619.8	616.3	607.1	595.2	581.7	566.9	552.5	542.6	534.1	527.8
627.3	7.5°	625.5	619.0	602.3	577.9	546.9	515.2	486.5	466.2	450.8	445.3
635.3	10°	631.5	623.7	594.5	551.6	498.1	449.2	411.2	390.3	378.0	374.1
644.6	12.5°	638.5	627.1	582.4	515.0	443.5	389.9	356.7	344.5	338.2	336.0
656.2	15°	648.8	630.0	564.2	469.2	391.4	346.7	325.2	316.7	313.5	313.3
668.1	17.5°	656.5	630.6	535.9	420.2	351.3	320.5	302.8	299.6	301.8	305.0
679.8	20°	665.2	625.7	498.8	375.5	323.2	297.6	290.2	292.4	297.6	302.3
695.3	22.5°	671.3	616.9	453.9	340.7	298.9	284.5	284.1	288.6	291.5	293.8
713.5	25°	676.7	601.9	406.3	311.5	278.9	276.5	280.5	279.1	277.1	279.1
731.7	27.5°	680.7	578.3	363.8	285.9	264.8	271.1	268.8	265.5	265.4	266.4
753.2	30°	679.4	546.7	328.8	261.6	254.9	261.0	255.4	254.9	254.4	254.9
785.4	32.5°	679.4	510.9	301.9	244.8	248.6	246.2	245.7	244.4	242.3	242.1
829.2	35°	683.2	475.0	278.9	235.8	243.4	237.8	238.1	235.1	230.6	228.4
887.3	37.5°	691.0	446.2	256.0	231.5	234.2	234.0	232.5	227.3	219.4	212.5
959.7	40°	709.7	437.7	240.3	229.5	229.8	232.0	228.2	218.1	200.1	188.9
1033.3	42.5°	739.1	451.9	236.9	224.6	227.0	229.1	221.7	198.3	185.5	178.8
1110.4	45°	776.4	476.8	244.3	217.6	220.1	223.9	201.9	190.7	185.0	185.1
1186.9	47.5°	823.6	502.9	258.0	211.5	210.2	212.4	188.7	181.9	174.0	175.9
1260.2	50°	878.3	529.4	270.9	203.2	199.2	192.2	180.3	173.8	163.7	159.0
1331.1	52.5°	937.4	555.0	276.2	193.1	187.3	179.2	174.5	166.6	154.3	146.6
1398.0	55°	993.4	578.3	270.4	181.0	175.4	169.1	168.4	163.5	150.3	139.5
1457.5	57.5°	1046.4	597.8	256.0	168.7	163.3	159.5	164.4	162.1	145.5	131.6
1513.7	60°	1091.3	611.1	235.1	156.3	152.5	150.5	157.9	157.2	138.6	123.1
1564.2	62.5°	1127.0	616.3	212.0	144.4	143.5	139.9	148.9	148.9	130.0	114.8
1608.5	65°	1155.0	611.3	188.6	132.7	134.5	129.1	137.9	136.8	120.8	107.4
1659.5	67.5°	1179.7	594.7	162.6	121.1	125.3	118.4	126.4	123.8	110.7	100.0
1703.7	70°	1190.7	556.1	133.0	109.6	114.6	108.0	114.8	110.1	99.3	92.1
1655.2	72.5°	1102.3	462.2	104.7	97.5	101.9	96.4	102.4	97.0	87.1	83.8
1429.3	75°	912.0	346.8	80.6	84.4	87.6	83.5	87.4	83.5	74.4	76.8
1055.8	77.5°	662.3	234.2	61.7	70.5	71.9	69.8	73.2	68.7	60.6	60.0
526.2	80°	329.3	137.2	48.3	55.7	55.2	53.7	57.7	55.5	48.7	51.6
142.0	82.5°	95.4	58.8	35.2	39.1	38.0	38.4	41.3	42.4	63.5	62.9
44.2	85°	29.9	23.1	21.1	21.8	20.7	21.3	24.3	48.3	44.7	26.1
13.7	87.5°	7.8	7.9	5.2	5.6	5.8	6.9	7.8	29.4	14.1	9.2
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>
615.1
585.7
522.6
435.5
367.9
336.6
314.0
306.3
303.9
295.1
280.3
268.2
256.9
244.4
230.6
214.9
190.4
178.8
186.0
181.0
160.3
146.4
139.5
130.9
122.6
114.3
106.7
99.3
90.7
81.1
70.1
57.3
51.0
64.4
28.3
9.7
0.0

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