

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: P946518

Luminaire Tested: **GALN-SB2A-927-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946518
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-SB2A-927-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5337 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

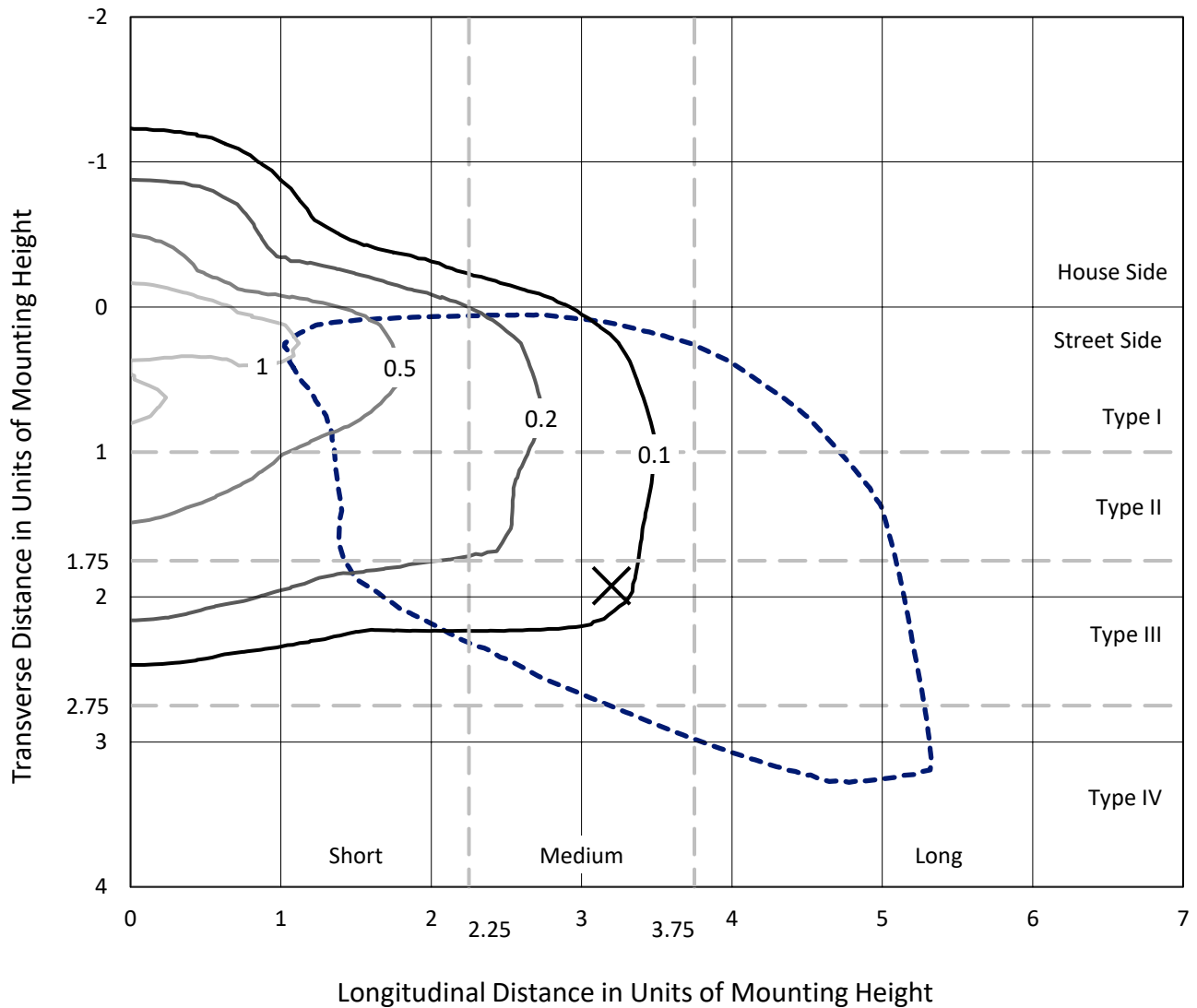
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

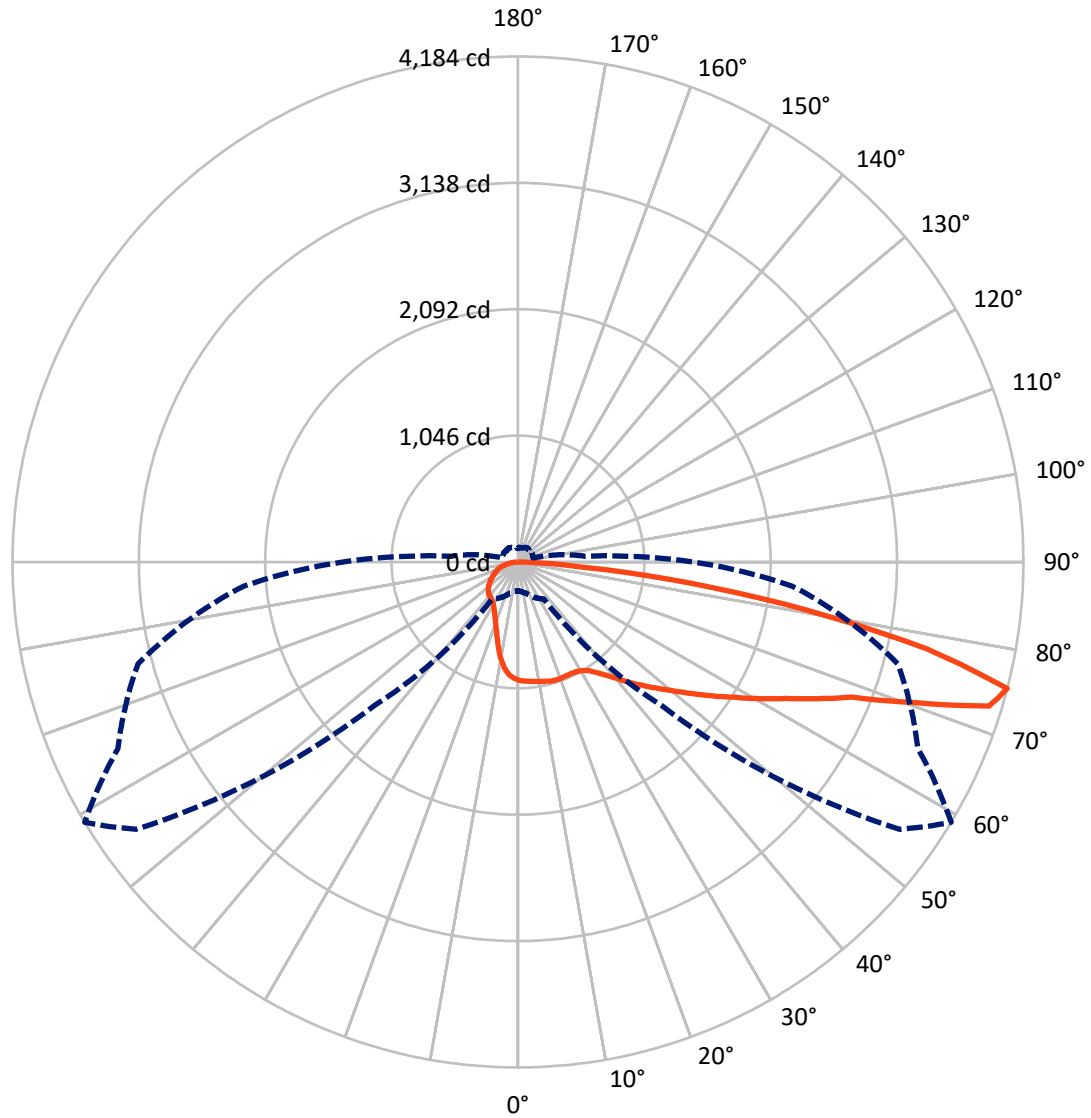
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	1001.0	0.0	1001.0
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	4336.0	0.0	4336.0
	% Fixture	81.2	0.0	81.2
Total	Lumens	5337.0	0.0	5337.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	1.6
10°-20°	224.5	4.2
20°-30°	341.0	6.4
30°-40°	506.9	9.5
40°-50°	753.9	14.1
50°-60°	1023.3	19.2
60°-70°	1249.3	23.4
70°-80°	980.4	18.4
80°-90°	169.8	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°	5337.0	100.0
0°-180°	5337.0	100.0

Coefficient of Utilization

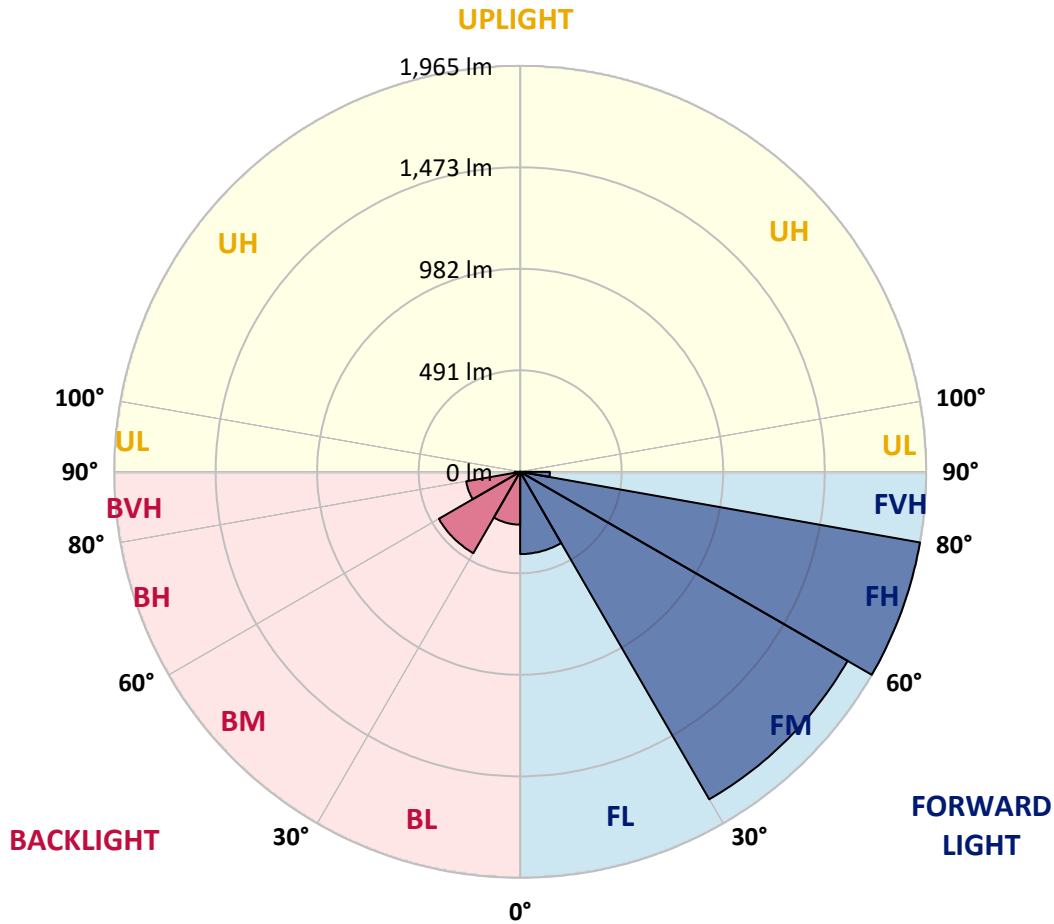


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	397.9	7.5			
FM (30°-60°)	1829.7	34.3			
FH (60°-80°)	1964.5	36.8			G2/5000
FVH (80°-90°)	143.8	2.7			G2/225
BL (0°-30°)	255.4	4.8	B1/500		
BM (30°-60°)	454.4	8.5	B1/1000		
BH (60°-80°)	265.2	5.0	B1/500		G1/500
BVH (80°-90°)	26.0	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-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6
2.5°	987.9	984.5	987.9	986.5	985.9	984.8	985.0	987.1	985.9	987.3
5°	981.3	979.3	982.8	981.9	985.6	986.2	989.9	992.2	993.7	993.9
7.5°	970.4	968.4	973.3	977.3	985.3	987.6	995.4	999.1	1001.1	1004.6
10°	930.5	929.6	941.7	956.9	975.9	987.6	999.4	1005.7	1008.9	1018.1
12.5°	859.9	861.0	876.8	906.1	944.0	981.9	1004.0	1013.2	1018.1	1029.6
15°	792.4	792.1	809.3	840.6	893.8	956.6	1006.3	1022.1	1030.4	1047.4
17.5°	753.4	752.2	764.3	788.1	837.5	917.9	1000.6	1027.0	1044.8	1066.0
20°	746.2	743.9	750.2	762.0	797.0	875.4	985.6	1027.0	1056.3	1083.8
22.5°	772.3	768.6	766.0	764.6	780.1	840.3	968.7	1023.5	1073.2	1109.4
25°	824.8	819.1	805.9	793.0	788.4	824.6	953.8	1022.7	1098.5	1143.8
27.5°	909.8	902.7	876.0	844.9	817.1	832.6	947.2	1027.8	1126.3	1180.3
30°	1015.2	1007.4	973.9	926.2	876.2	862.5	955.5	1043.0	1161.9	1228.8
32.5°	1109.7	1101.0	1072.3	1023.8	956.3	914.1	981.9	1072.0	1217.9	1296.3
35°	1193.5	1183.4	1157.6	1112.8	1054.5	986.8	1029.6	1123.4	1297.4	1405.9
37.5°	1275.6	1263.8	1235.7	1188.3	1147.5	1083.5	1095.3	1189.5	1403.1	1539.2
40°	1367.5	1350.5	1316.4	1269.6	1229.9	1196.9	1181.7	1270.4	1510.4	1687.9
42.5°	1456.5	1440.4	1399.6	1359.7	1310.0	1300.6	1281.9	1365.2	1627.9	1851.2
45°	1552.4	1533.1	1483.7	1433.2	1401.9	1369.5	1379.0	1459.9	1743.0	2017.8
47.5°	1642.2	1620.7	1562.4	1506.1	1488.9	1427.5	1468.0	1564.1	1862.7	2186.6
50°	1690.7	1669.5	1621.0	1570.2	1556.7	1499.0	1564.4	1678.7	1988.2	2354.8
52.5°	1731.2	1708.3	1644.8	1616.7	1612.7	1576.8	1683.3	1809.6	2113.7	2503.5
55°	1774.3	1748.7	1667.8	1642.5	1660.9	1664.0	1824.3	1958.0	2246.3	2648.5
57.5°	1824.0	1791.5	1689.9	1664.3	1708.0	1766.3	1986.2	2111.9	2376.6	2782.9
60°	1870.8	1838.0	1732.4	1699.1	1758.8	1884.8	2171.9	2298.3	2524.2	2902.6
62.5°	1879.9	1853.0	1766.3	1766.0	1827.7	2023.2	2391.9	2486.3	2653.1	3020.9
65°	1720.9	1704.0	1652.6	1763.4	1926.5	2222.5	2636.8	2726.9	2817.1	3124.3
67.5°	1309.8	1312.1	1308.3	1522.2	1846.6	2508.7	2991.3	2984.4	3019.5	3240.2
70°	598.9	612.4	700.2	1050.8	1479.4	2541.7	3577.6	3488.3	3273.5	3390.4
72.5°	323.6	333.9	369.8	509.0	889.4	2259.8	4015.7	4079.2	3611.5	3491.5
75°	237.4	243.2	268.2	323.6	373.5	1679.6	3858.7	4184.2	3653.7	3255.7
77.5°	177.7	180.3	200.7	256.4	191.2	885.4	3083.2	3465.3	3127.7	2674.9
80°	128.9	131.8	147.0	192.4	134.1	323.9	2117.1	2432.3	2142.1	1705.1
82.5°	89.0	90.2	96.8	130.9	93.6	125.8	1201.2	1426.3	1195.8	598.3
85°	53.7	55.1	58.0	76.4	53.1	59.7	518.5	536.3	357.4	143.0
87.5°	22.1	23.5	25.8	32.2	21.0	16.7	85.6	107.4	66.9	41.9
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°
979.6	0°	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6	979.6
982.5	2.5°	981.0	979.0	973.6	966.1	959.2	950.6	946.9	943.7	940.8	935.4
990.2	5°	987.1	981.6	967.0	948.0	926.5	902.9	880.0	864.2	850.7	840.6
999.1	7.5°	996.2	985.9	959.2	920.5	871.1	820.5	774.9	742.4	718.0	709.1
1011.7	10°	1005.7	993.4	946.9	878.5	793.3	715.5	654.9	621.6	602.1	595.7
1026.7	12.5°	1016.9	998.8	927.6	820.3	706.3	621.0	568.2	548.7	538.6	535.2
1045.1	15°	1033.3	1003.4	898.6	747.3	623.3	552.1	517.9	504.4	499.3	499.0
1064.0	17.5°	1045.6	1004.3	853.6	669.2	559.6	510.5	482.3	477.2	480.6	485.8
1082.7	20°	1059.4	996.5	794.4	598.0	514.8	474.0	462.2	465.7	474.0	481.5
1107.4	22.5°	1069.2	982.5	722.9	542.6	476.0	453.0	452.5	459.7	464.2	468.0
1136.4	25°	1077.8	958.6	647.1	496.1	444.1	440.4	446.7	444.4	441.3	444.4
1165.3	27.5°	1084.1	921.0	579.4	455.3	421.8	431.8	428.1	422.9	422.6	424.3
1199.5	30°	1082.1	870.8	523.7	416.6	406.0	415.7	406.8	406.0	405.1	406.0
1250.9	32.5°	1082.1	813.6	480.9	389.9	395.9	392.2	391.3	389.3	385.9	385.6
1320.7	35°	1088.1	756.5	444.1	375.5	387.6	378.7	379.3	374.4	367.2	363.8
1413.1	37.5°	1100.5	710.6	407.7	368.6	372.9	372.7	370.4	362.0	349.4	338.5
1528.5	40°	1130.3	697.1	382.7	365.5	366.1	369.5	363.5	347.4	318.7	300.9
1645.7	42.5°	1177.1	719.8	377.3	357.7	361.5	364.9	353.1	315.8	295.4	284.8
1768.6	45°	1236.6	759.4	389.0	346.5	350.6	356.6	321.6	303.8	294.6	294.9
1890.3	47.5°	1311.8	801.0	410.8	336.8	334.8	338.2	300.6	289.7	277.1	280.2
2007.1	50°	1398.8	843.2	431.5	323.6	317.2	306.1	287.1	276.8	260.7	253.2
2120.0	52.5°	1492.9	884.0	439.8	307.5	298.3	285.4	277.9	265.3	245.8	233.4
2226.5	55°	1582.2	921.0	430.7	288.3	279.4	269.3	268.2	260.4	239.4	222.2
2321.2	57.5°	1666.6	952.0	407.7	268.7	260.1	254.1	261.8	258.1	231.7	209.6
2410.8	60°	1738.1	973.3	374.4	248.9	242.9	239.7	251.5	250.4	220.8	196.1
2491.2	62.5°	1795.0	981.6	337.6	230.0	228.5	222.8	237.1	237.1	207.0	182.9
2561.8	65°	1839.5	973.6	300.3	211.3	214.2	205.6	219.6	217.9	192.4	171.1
2643.1	67.5°	1878.8	947.2	259.0	192.9	199.5	188.6	201.3	197.2	176.3	159.3
2713.4	70°	1896.3	885.7	211.9	174.6	182.6	172.0	182.9	175.4	158.2	146.7
2636.2	72.5°	1755.6	736.1	166.8	155.3	162.2	153.6	163.1	154.5	138.7	133.5
2276.4	75°	1452.5	552.4	128.3	134.4	139.5	132.9	139.2	132.9	118.6	122.3
1681.6	77.5°	1054.8	372.9	98.2	112.3	114.6	111.1	116.6	109.4	96.5	95.6
838.1	80°	524.5	218.5	76.9	88.7	87.9	85.6	91.9	88.4	77.5	82.1
226.2	82.5°	151.9	93.6	56.0	62.3	60.6	61.2	65.7	67.5	101.1	100.2
70.3	85°	47.7	36.7	33.6	34.7	33.0	33.9	38.8	76.9	71.2	41.6
21.8	87.5°	12.3	12.6	8.3	8.9	9.2	10.9	12.3	46.8	22.4	14.6
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°
979.6
932.8
832.3
693.6
586.0
536.0
500.1
487.8
484.1
470.0
446.4
427.2
409.1
389.3
367.2
342.2
303.2
284.8
296.3
288.3
255.2
233.1
222.2
208.4
195.2
182.0
170.0
158.2
144.4
129.2
111.7
91.3
81.3
102.5
45.1
15.5
0.0

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