

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: P945867

Luminaire Tested: **GALN-SB1C-940-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P945867  
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-SB1C-940-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 4000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

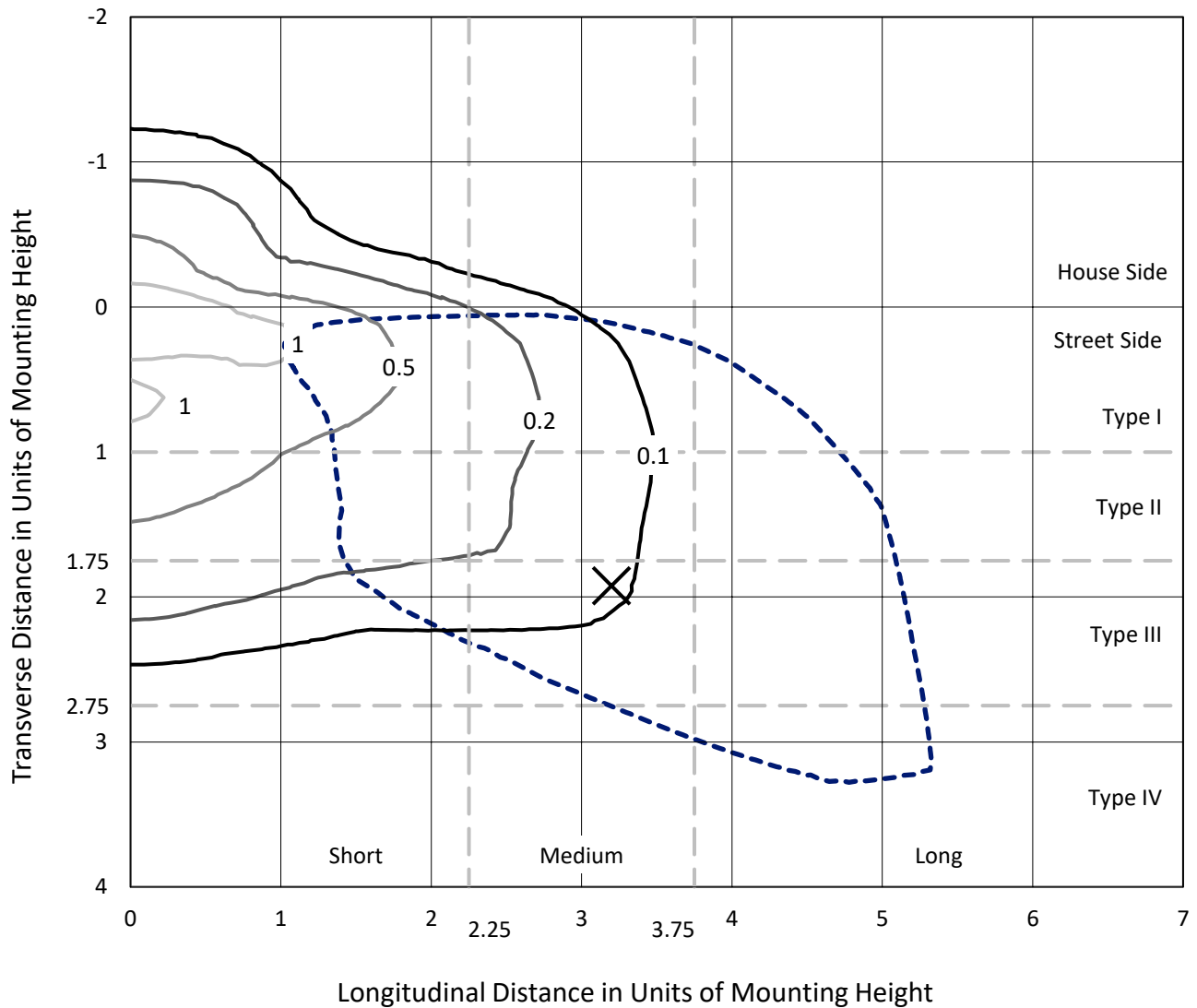
Lumens per Lamp: N/A  
Luminaire Lumens: 5306 lumens  
Efficiency: N/A  
Efficacy: 97.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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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### Iso-Footcandle Lines of Horizontal Illumination

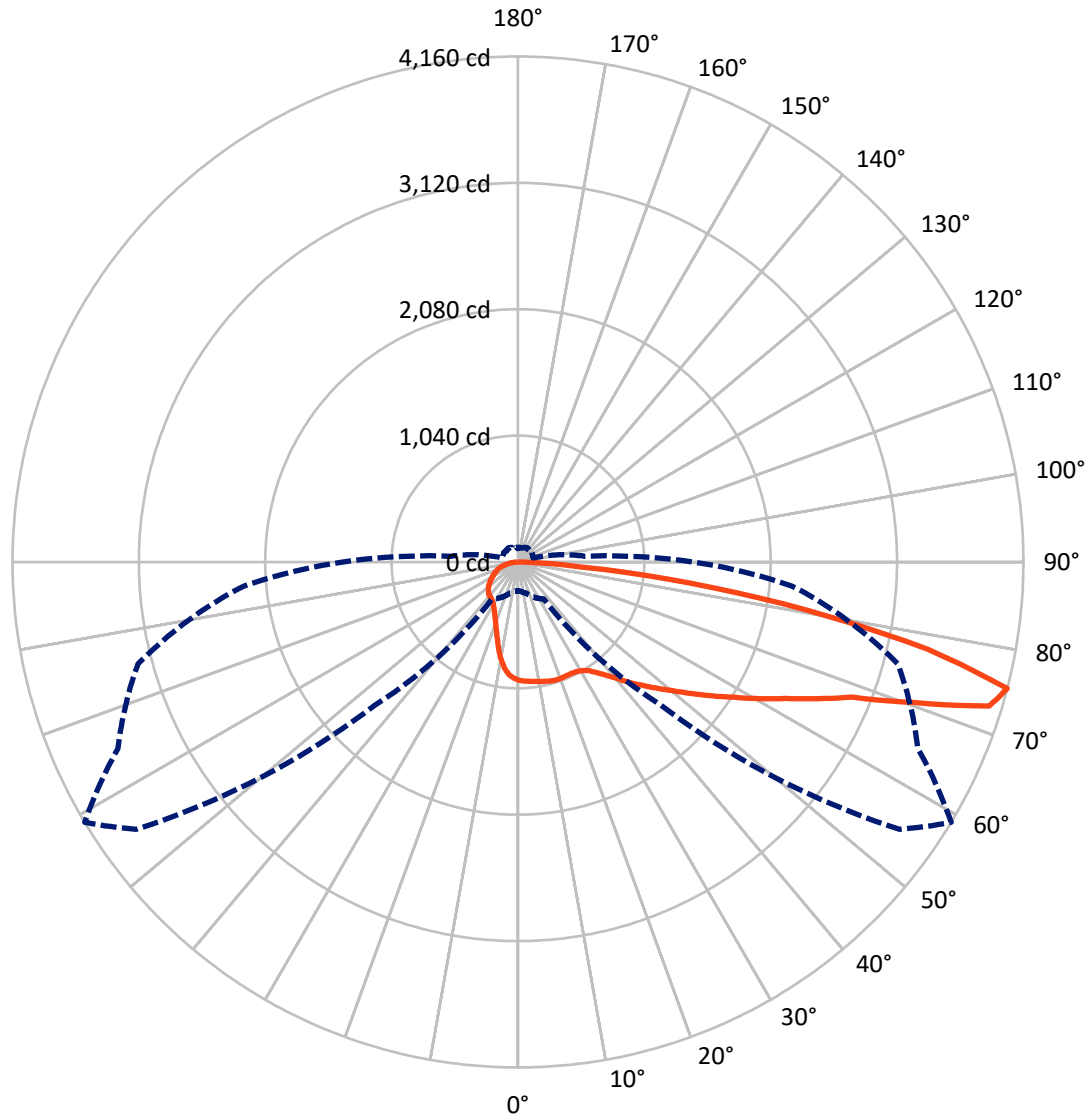
✕ Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	995.2	0.0	995.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	4310.8	0.0	4310.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	5306.0	0.0	5306.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.3	1.6
10°-20°	223.2	4.2
20°-30°	339.0	6.4
30°-40°	504.0	9.5
40°-50°	749.5	14.1
50°-60°	1017.4	19.2
60°-70°	1242.0	23.4
70°-80°	974.7	18.4
80°-90°	168.8	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°	5306.0	100.0
0°-180°	5306.0	100.0

**Coefficient of Utilization**



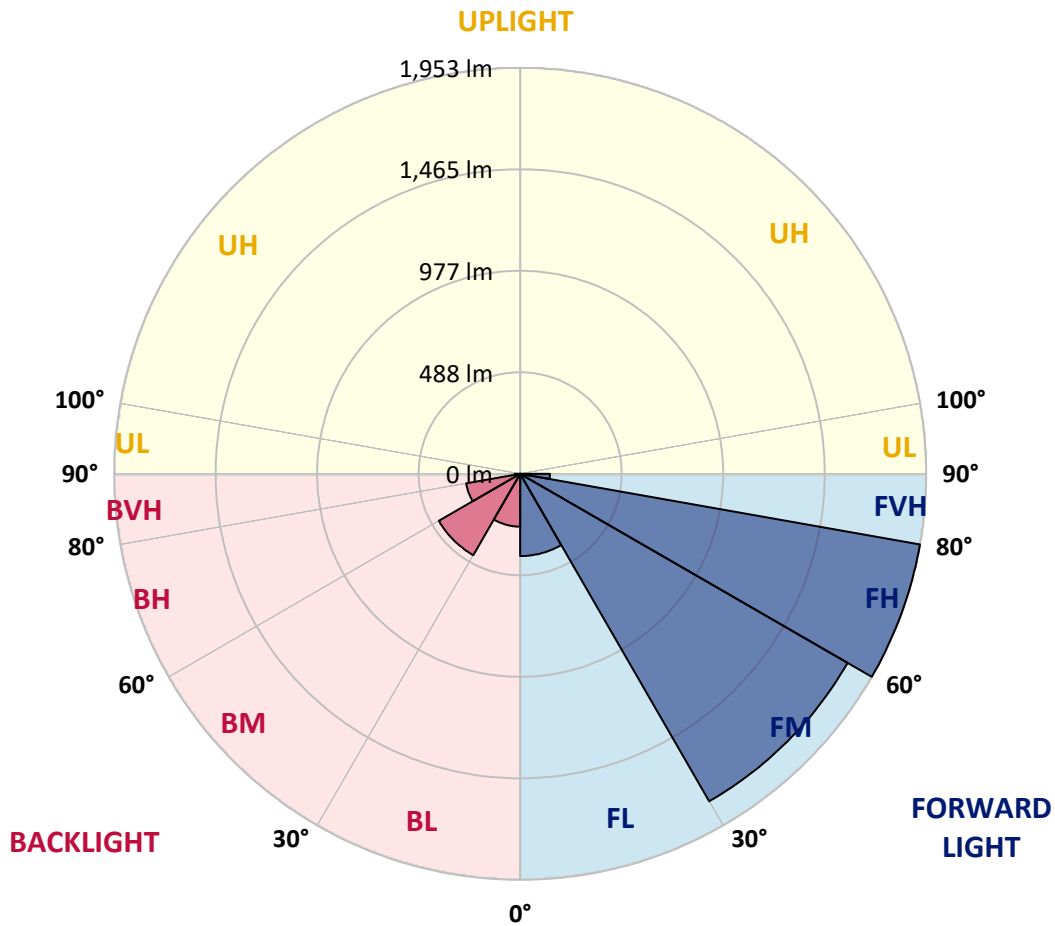
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	395.6	7.5			
FM (30°-60°)	1819.1	34.3			
FH (60°-80°)	1953.1	36.8			G2/5000
FVH (80°-90°)	143.0	2.7			G2/225
BL (0°-30°)	254.0	4.8	B1/500		
BM (30°-60°)	451.7	8.5	B1/1000		
BH (60°-80°)	263.7	5.0	B1/500		G1/500
BVH (80°-90°)	25.8	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°	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9
2.5°	982.2	978.8	982.2	980.8	980.2	979.0	979.3	981.3	980.2	981.6
5°	975.6	973.6	977.0	976.2	979.9	980.5	984.2	986.5	987.9	988.2
7.5°	964.8	962.8	967.6	971.6	979.6	981.9	989.6	993.3	995.3	998.7
10°	925.1	924.2	936.2	951.4	970.2	981.9	993.6	999.9	1003.0	1012.2
12.5°	854.9	856.0	871.7	900.8	938.5	976.2	998.2	1007.3	1012.2	1023.6
15°	787.8	787.5	804.6	835.8	888.6	951.1	1000.4	1016.1	1024.4	1041.3
17.5°	749.0	747.8	759.8	783.5	832.6	912.5	994.7	1021.0	1038.7	1059.8
20°	741.8	739.6	745.8	757.5	792.4	870.3	979.9	1021.0	1050.1	1077.5
22.5°	767.8	764.1	761.5	760.1	775.5	835.5	963.1	1017.6	1067.0	1102.9
25°	820.1	814.3	801.2	788.4	783.8	819.8	948.2	1016.7	1092.1	1137.2
27.5°	904.5	897.4	870.9	840.0	812.3	827.8	941.7	1021.9	1119.8	1173.4
30°	1009.3	1001.6	968.2	920.8	871.1	857.4	949.9	1037.0	1155.2	1221.7
32.5°	1103.2	1094.6	1066.1	1017.9	950.8	908.8	976.2	1065.8	1210.8	1288.7
35°	1186.6	1176.6	1150.9	1106.3	1048.4	981.0	1023.6	1116.9	1289.9	1397.8
37.5°	1268.2	1256.5	1228.5	1181.4	1140.9	1077.2	1088.9	1182.6	1394.9	1530.2
40°	1359.5	1342.7	1308.7	1262.2	1222.8	1190.0	1174.9	1263.1	1501.7	1678.1
42.5°	1448.0	1432.0	1391.5	1351.8	1302.4	1293.0	1274.5	1357.2	1618.4	1840.5
45°	1543.3	1524.2	1475.1	1424.9	1393.8	1361.5	1370.9	1451.4	1732.9	2006.0
47.5°	1632.7	1611.3	1553.3	1497.4	1480.3	1419.2	1459.4	1555.1	1851.9	2173.9
50°	1680.9	1659.8	1611.6	1561.0	1547.6	1490.3	1555.3	1668.9	1976.6	2341.1
52.5°	1721.2	1698.3	1635.3	1607.3	1603.3	1567.6	1673.5	1799.1	2101.4	2489.0
55°	1764.0	1738.6	1658.1	1633.0	1651.2	1654.4	1813.7	1946.7	2233.2	2633.1
57.5°	1813.4	1781.1	1680.1	1654.7	1698.1	1756.0	1974.6	2099.7	2362.8	2766.7
60°	1859.9	1827.4	1722.3	1689.2	1748.6	1873.9	2159.3	2284.9	2509.5	2885.7
62.5°	1869.0	1842.2	1756.0	1755.7	1817.1	2011.5	2378.0	2471.9	2637.7	3003.3
65°	1710.9	1694.1	1643.0	1753.1	1915.3	2209.6	2621.4	2711.1	2800.7	3106.1
67.5°	1302.2	1304.4	1300.7	1513.4	1835.9	2494.1	2973.9	2967.1	3001.9	3221.4
70°	595.4	608.8	696.2	1044.7	1470.8	2527.0	3556.8	3468.0	3254.5	3370.7
72.5°	321.7	332.0	367.6	506.1	884.3	2246.7	3992.4	4055.5	3590.5	3471.2
75°	236.1	241.8	266.6	321.7	371.4	1669.8	3836.2	4159.9	3632.4	3236.8
77.5°	176.7	179.3	199.5	254.9	190.1	880.3	3065.3	3445.2	3109.5	2659.4
80°	128.2	131.0	146.1	191.2	133.3	322.0	2104.8	2418.2	2129.6	1695.2
82.5°	88.5	89.6	96.2	130.2	93.1	125.0	1194.3	1418.0	1188.8	594.8
85°	53.4	54.8	57.7	75.9	52.8	59.4	515.5	533.2	355.4	142.1
87.5°	22.0	23.4	25.7	32.0	20.8	16.6	85.1	106.8	66.5	41.7
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°
973.9	0°	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9	973.9
976.8	2.5°	975.3	973.3	967.9	960.5	953.6	945.1	941.4	938.2	935.4	929.9
984.5	5°	981.3	975.9	961.3	942.5	921.1	897.7	874.9	859.2	845.7	835.8
993.3	7.5°	990.5	980.2	953.6	915.1	866.0	815.8	770.4	738.1	713.9	705.0
1005.9	10°	999.9	987.6	941.4	873.4	788.7	711.3	651.1	618.0	598.6	592.3
1020.7	12.5°	1011.0	993.0	922.2	815.5	702.2	617.4	564.9	545.5	535.5	532.1
1039.0	15°	1027.3	997.6	893.4	743.0	619.7	548.9	514.9	501.5	496.4	496.1
1057.8	17.5°	1039.6	998.5	848.6	665.3	556.3	507.5	479.5	474.4	477.8	483.0
1076.4	20°	1053.3	990.7	789.8	594.6	511.8	471.3	459.6	463.0	471.3	478.7
1100.9	22.5°	1063.0	976.8	718.7	539.5	473.3	450.4	449.8	457.0	461.5	465.3
1129.8	25°	1071.5	953.1	643.4	493.2	441.6	437.9	444.1	441.9	438.7	441.9
1158.6	27.5°	1077.8	915.7	576.0	452.7	419.3	429.3	425.6	420.4	420.2	421.9
1192.5	30°	1075.8	865.7	520.6	414.2	403.6	413.3	404.5	403.6	402.7	403.6
1243.6	32.5°	1075.8	808.9	478.1	387.6	393.6	389.9	389.0	387.0	383.6	383.3
1313.0	35°	1081.8	752.1	441.6	373.3	385.3	376.5	377.1	372.2	365.1	361.6
1404.9	37.5°	1094.1	706.5	405.3	366.5	370.8	370.5	368.2	359.9	347.4	336.5
1519.7	40°	1123.8	693.0	380.5	363.4	363.9	367.4	361.4	345.4	316.8	299.1
1636.1	42.5°	1170.3	715.6	375.1	355.7	359.4	362.8	351.1	314.0	293.7	283.2
1758.3	45°	1229.4	755.0	386.8	344.5	348.5	354.5	319.7	302.0	292.9	293.1
1879.3	47.5°	1304.2	796.4	408.5	334.8	332.8	336.2	298.9	288.0	275.4	278.6
1995.5	50°	1390.6	838.3	429.0	321.7	315.4	304.3	285.4	275.2	259.2	251.8
2107.7	52.5°	1484.3	878.9	437.3	305.7	296.6	283.7	276.3	263.7	244.3	232.1
2213.5	55°	1573.0	915.7	428.2	286.6	277.7	267.7	266.6	258.9	238.1	220.9
2307.7	57.5°	1657.0	946.5	405.3	267.2	258.6	252.6	260.3	256.6	230.3	208.4
2396.8	60°	1728.0	967.6	372.2	247.5	241.5	238.3	250.0	248.9	219.5	195.0
2476.7	62.5°	1784.5	975.9	335.7	228.6	227.2	221.5	235.8	235.8	205.8	181.8
2546.9	65°	1828.8	967.9	298.6	210.1	212.9	204.4	218.4	216.6	191.2	170.1
2627.7	67.5°	1867.9	941.7	257.5	191.8	198.4	187.5	200.1	196.1	175.3	158.4
2697.6	70°	1885.3	880.6	210.7	173.5	181.5	171.0	181.8	174.4	157.3	145.9
2620.9	72.5°	1745.4	731.9	165.8	154.4	161.3	152.7	162.1	153.6	137.9	132.7
2263.2	75°	1444.0	549.2	127.6	133.6	138.7	132.2	138.4	132.2	117.9	121.6
1671.8	77.5°	1048.7	370.8	97.6	111.6	113.9	110.5	115.9	108.8	95.9	95.0
833.2	80°	521.5	217.2	76.5	88.2	87.3	85.1	91.3	87.9	77.1	81.6
224.9	82.5°	151.0	93.1	55.7	61.9	60.2	60.8	65.4	67.1	100.5	99.6
69.9	85°	47.4	36.5	33.4	34.5	32.8	33.7	38.5	76.5	70.8	41.4
21.7	87.5°	12.3	12.6	8.3	8.8	9.1	10.8	12.3	46.5	22.3	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

<u>180°</u>
973.9
927.4
827.5
689.6
582.6
532.9
497.2
485.0
481.2
467.3
443.9
424.7
406.7
387.0
365.1
340.2
301.4
283.2
294.6
286.6
253.8
231.8
220.9
207.2
194.1
181.0
169.0
157.3
143.6
128.4
<i>111.0</i>
90.8
80.8
101.9
44.8
15.4
0.0

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