

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: P938977

Luminaire Tested: **GALN-SB1B-835-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P938977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-835-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5228 lumens
Efficiency: N/A
Efficacy: 131.4 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

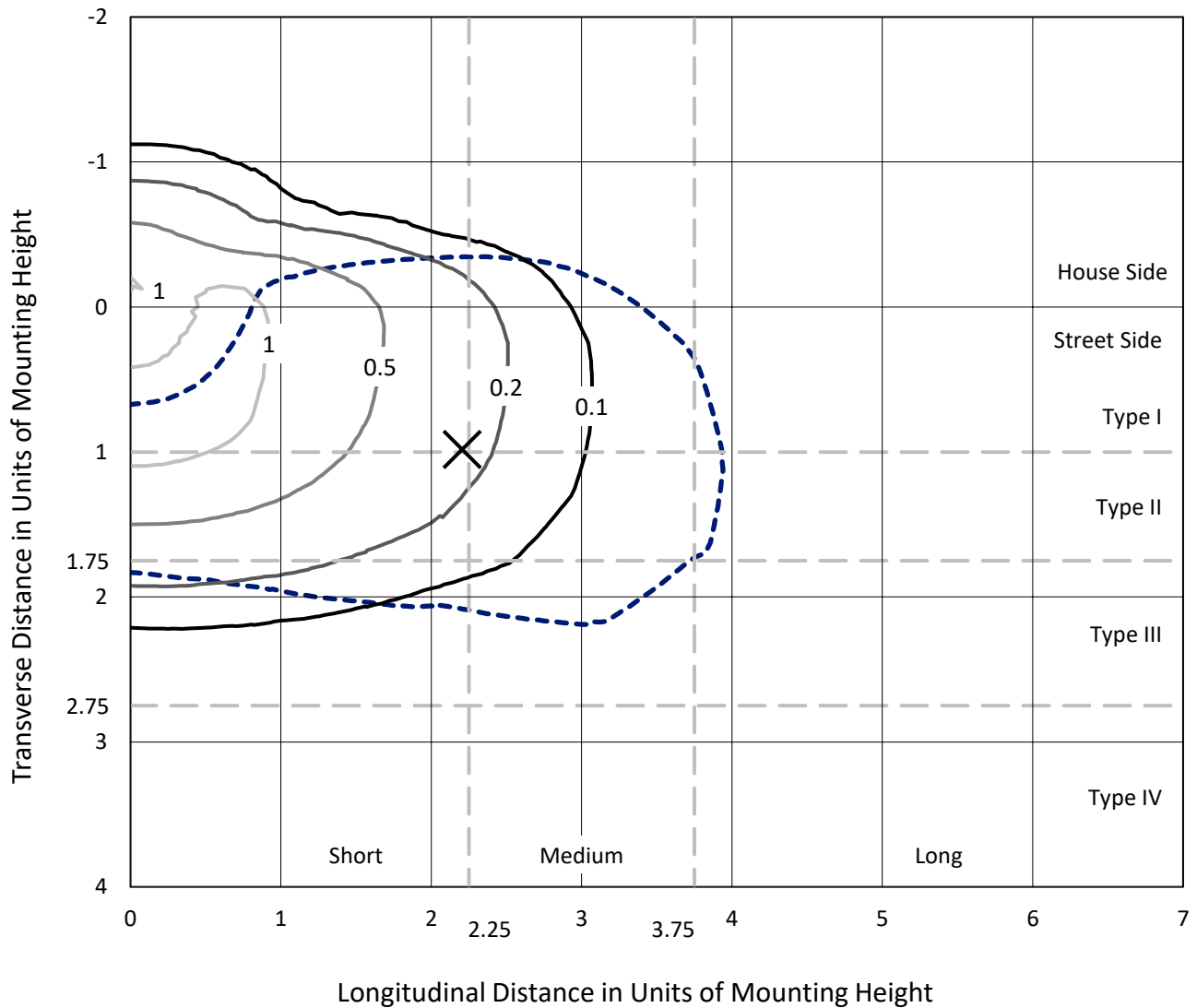
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

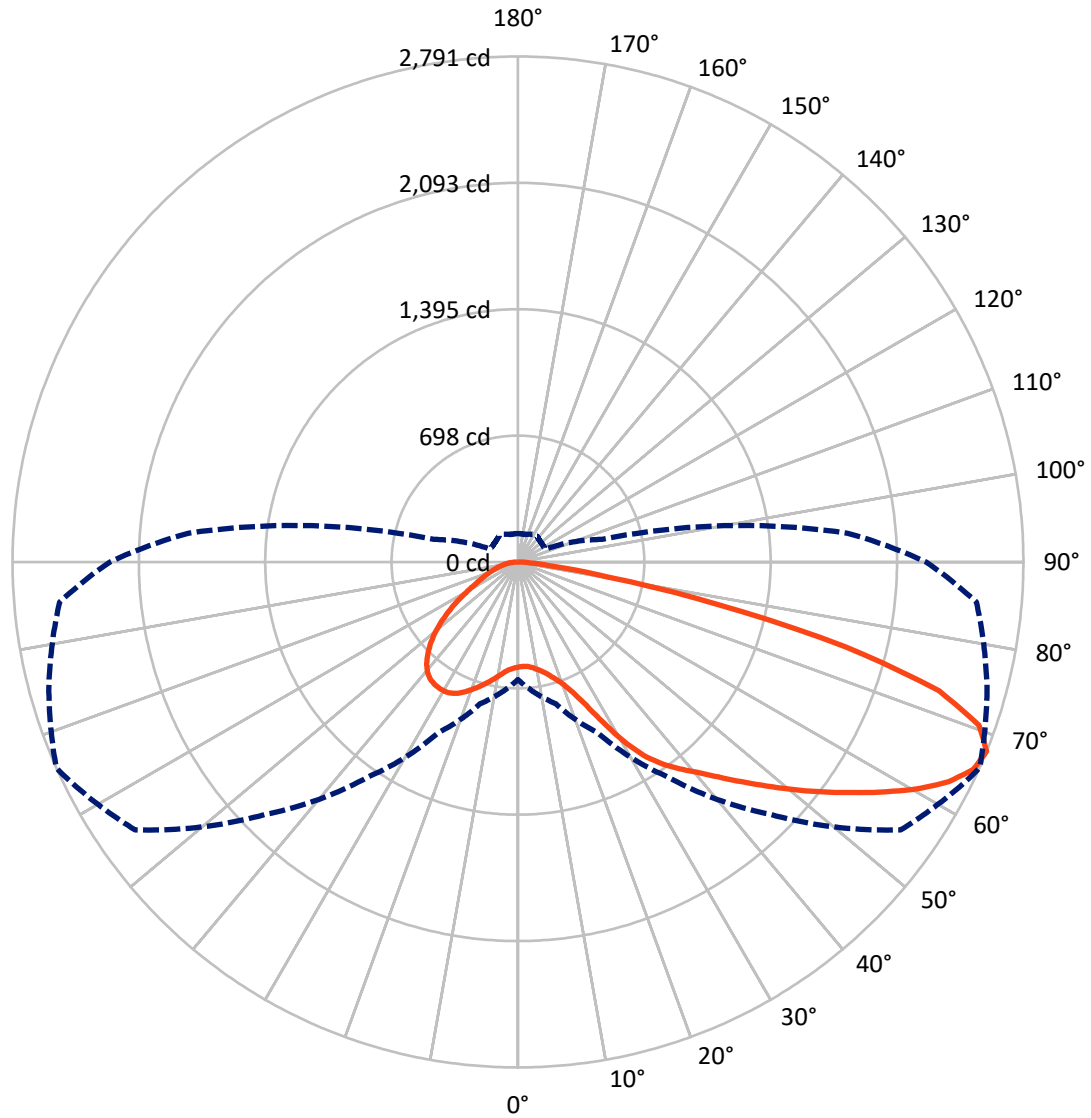
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1299.9	0.0	1299.9
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	3928.1	0.0	3928.1
	% Fixture	75.1	0.0	75.1
Total	Lumens	5228.0	0.0	5228.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.1
10°-20°	189.9	3.6
20°-30°	366.1	7.0
30°-40°	641.9	12.3
40°-50°	954.3	18.3
50°-60°	1209.7	23.1
60°-70°	1183.6	22.6
70°-80°	564.6	10.8
80°-90°	60.3	1.2
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°	5228.0	100.0
0°-180°	5228.0	100.0

Coefficient of Utilization



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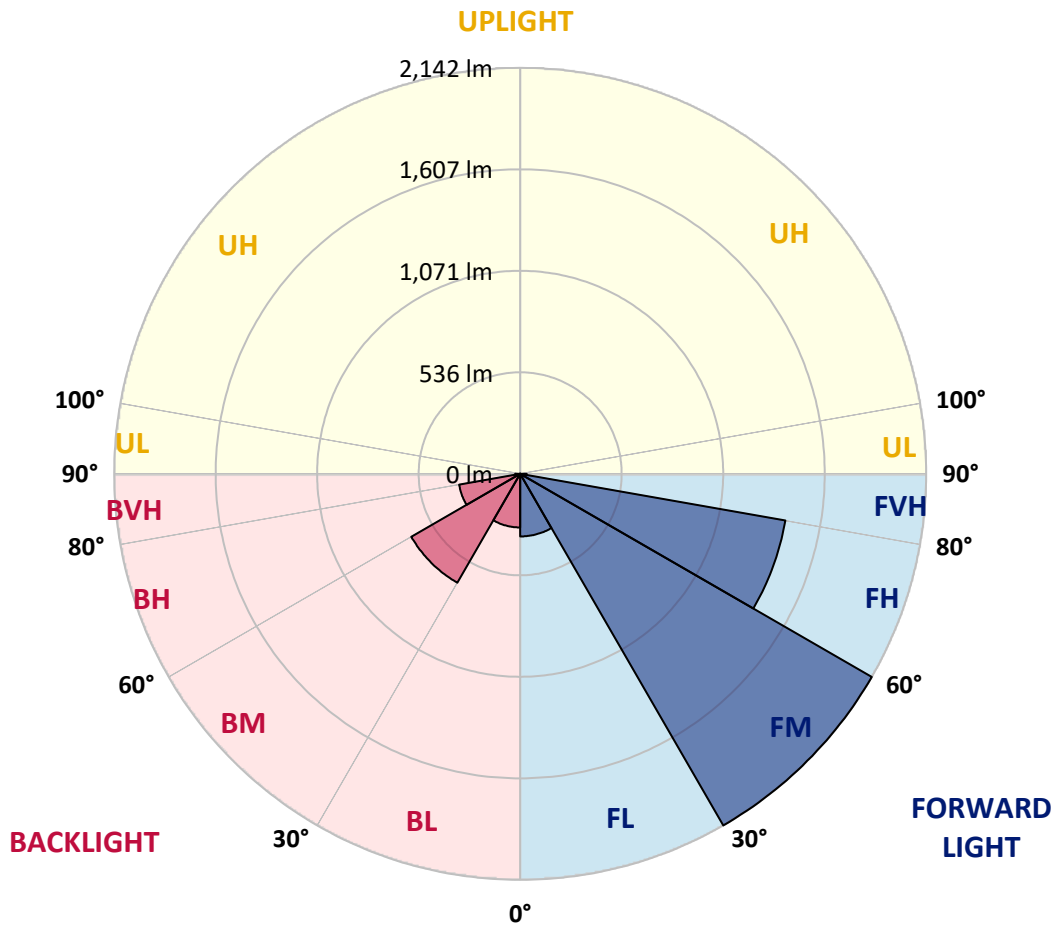
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.4	6.3			
FM (30°-60°)	2142.4	41.0			
FH (60°-80°)	1421.1	27.2			G1/1800
FVH (80°-90°)	34.2	0.7			G1/100
BL (0°-30°)	283.2	5.4	B1/500		
BM (30°-60°)	663.5	12.7	B1/1000		
BH (60°-80°)	327.1	6.3	B1/500		G1/500
BVH (80°-90°)	26.1	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9
2.5°	573.8	577.1	576.3	574.9	574.6	575.2	576.0	576.8	576.6	577.9
5°	572.2	575.5	575.2	575.2	576.3	578.5	579.9	581.2	579.9	581.5
7.5°	573.3	575.7	576.8	577.9	580.7	584.8	588.1	591.1	589.5	591.4
10°	587.3	589.2	590.3	590.3	592.2	596.9	600.2	605.7	604.3	607.3
12.5°	612.8	614.7	614.7	613.6	615.0	618.0	619.1	625.2	622.7	627.6
15°	644.1	648.0	645.0	643.0	643.6	646.6	646.3	651.0	648.5	652.6
17.5°	678.7	683.7	678.7	678.5	677.4	680.7	680.9	685.1	680.7	683.7
20°	719.7	726.5	722.4	723.8	721.3	722.7	724.1	730.1	723.2	725.4
22.5°	777.4	785.6	781.2	786.4	784.8	783.7	783.4	794.1	783.4	784.2
25°	861.4	871.3	863.6	870.7	870.7	874.3	878.4	892.2	874.3	869.1
27.5°	985.6	995.4	980.3	984.7	983.4	992.2	987.8	1021.8	1002.6	994.1
30°	1135.0	1152.6	1124.0	1122.9	1121.5	1135.5	1141.9	1164.4	1144.9	1136.4
32.5°	1296.5	1314.9	1280.8	1271.0	1265.7	1274.3	1269.0	1287.2	1273.7	1260.5
35°	1467.4	1485.5	1453.1	1433.8	1413.0	1395.1	1376.4	1381.1	1368.5	1348.4
37.5°	1628.9	1662.1	1627.8	1607.2	1568.7	1533.8	1481.6	1459.9	1448.1	1429.7
40°	1793.4	1812.4	1786.3	1768.7	1726.9	1672.3	1588.8	1542.9	1527.0	1509.1
42.5°	1914.5	1932.7	1918.7	1906.6	1873.9	1810.4	1702.5	1645.1	1622.0	1601.9
45°	2010.7	2024.1	2015.3	2019.7	2005.7	1944.2	1820.3	1754.7	1730.8	1706.3
47.5°	2049.4	2063.7	2077.7	2103.8	2127.7	2082.4	1946.9	1873.3	1848.1	1823.1
50°	2045.0	2059.6	2100.2	2155.7	2229.9	2214.8	2080.4	1999.7	1976.3	1947.8
52.5°	2009.9	2026.3	2078.5	2170.8	2288.9	2313.9	2216.4	2130.2	2108.2	2074.1
55°	1917.6	1927.4	2005.7	2136.5	2302.9	2383.1	2349.6	2269.2	2247.2	2199.7
57.5°	1746.4	1760.7	1874.7	2043.9	2267.8	2430.1	2466.6	2415.3	2394.1	2325.7
60°	1523.1	1545.9	1676.4	1888.4	2178.2	2429.8	2572.9	2558.9	2541.4	2449.9
62.5°	1270.4	1296.8	1422.3	1668.7	2021.7	2360.9	2639.4	2679.3	2670.2	2564.4
65°	975.7	993.8	1118.8	1384.4	1778.0	2212.8	2647.1	2761.4	2763.0	2651.5
67.5°	649.6	701.8	810.3	1038.8	1451.7	1970.8	2579.5	2774.8	2790.8	2681.4
70°	317.0	385.7	492.0	675.2	1038.8	1599.7	2402.9	2664.4	2699.9	2594.1
72.5°	131.6	153.8	211.8	333.2	596.3	1079.5	2048.0	2365.0	2430.7	2298.5
75°	88.7	96.1	121.1	170.9	271.7	532.3	1477.0	1763.5	1869.2	1736.0
77.5°	68.4	73.1	88.2	119.5	161.5	201.3	790.5	1062.7	1117.4	1034.5
80°	53.8	57.4	65.9	87.1	114.5	107.7	269.5	481.5	513.1	430.4
82.5°	46.7	48.1	47.2	59.1	76.1	62.9	88.4	177.7	196.1	142.3
85°	33.8	37.6	39.3	36.5	40.4	31.9	36.3	62.9	69.2	61.8
87.5°	13.7	20.3	25.0	23.6	14.8	9.1	11.3	18.4	21.2	23.1
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°
579.9	0°	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9	579.9
580.1	2.5°	580.4	582.3	583.7	585.3	586.4	588.1	591.4	593.3	593.6	595.0
584.5	5°	585.6	588.4	591.4	595.8	600.7	604.9	611.2	615.6	617.2	618.6
595.2	7.5°	596.9	600.7	606.2	613.9	621.1	626.6	634.2	639.5	644.7	646.6
612.3	10°	613.6	619.1	627.1	637.5	645.2	652.4	660.3	664.7	670.0	672.1
632.6	12.5°	634.5	640.3	650.7	665.3	672.4	677.4	680.1	679.0	680.1	682.0
657.0	15°	658.4	664.7	676.5	692.2	697.1	692.7	686.7	681.2	680.4	680.9
686.7	17.5°	686.7	691.4	705.1	718.3	714.7	696.6	683.4	674.6	670.2	668.9
724.6	20°	726.3	726.3	737.5	745.8	721.9	691.1	670.5	656.2	647.2	643.3
776.3	22.5°	774.3	769.9	777.1	771.3	720.5	675.7	647.2	622.4	608.7	603.2
848.5	25°	835.3	830.1	828.2	792.5	710.6	651.3	604.9	574.9	562.8	559.8
952.6	27.5°	927.3	914.1	889.1	804.0	692.5	612.8	555.4	527.7	520.8	521.1
1086.4	30°	1049.8	1023.5	962.2	805.9	662.8	558.4	504.9	485.1	481.8	483.2
1198.7	32.5°	1163.3	1138.3	1036.9	797.1	617.2	505.1	459.5	446.4	441.4	443.1
1284.4	35°	1252.3	1245.4	1106.1	784.8	561.2	455.1	418.9	407.6	398.0	395.8
1365.2	37.5°	1336.3	1333.6	1158.1	767.5	505.7	419.7	386.2	371.4	357.4	349.7
1454.4	40°	1428.6	1425.9	1192.1	740.8	456.5	389.0	356.8	337.3	320.0	306.0
1555.5	42.5°	1532.5	1516.2	1208.3	702.6	414.8	362.9	332.9	306.5	283.7	270.8
1669.8	45°	1645.9	1609.4	1208.1	654.0	379.6	339.0	307.4	270.0	248.9	236.8
1787.1	47.5°	1766.2	1698.4	1193.2	600.2	345.6	312.6	267.8	239.2	225.2	217.8
1914.5	50°	1890.4	1781.6	1167.9	538.4	310.7	282.6	243.1	223.6	212.9	206.0
2040.9	52.5°	2007.1	1857.1	1137.5	468.3	275.2	253.5	232.1	217.0	205.7	198.0
2163.4	55°	2115.6	1922.2	1094.3	396.6	246.4	234.0	226.9	214.3	201.3	192.3
2287.8	57.5°	2212.0	1964.5	1019.9	329.3	225.8	220.6	221.4	209.6	194.7	187.1
2410.3	60°	2292.2	1995.6	909.7	267.0	209.0	207.4	212.9	200.8	183.5	174.7
2513.9	62.5°	2340.3	1995.0	774.6	218.6	194.7	195.3	201.6	189.8	172.2	164.0
2568.0	65°	2336.2	1946.1	626.3	187.1	181.0	181.6	189.8	177.7	162.9	157.9
2540.8	67.5°	2253.5	1826.9	480.4	166.5	165.9	168.4	178.0	169.5	157.1	156.6
2378.7	70°	2029.6	1579.4	346.1	150.0	150.3	153.8	166.5	164.3	154.1	155.2
2000.0	72.5°	1627.5	1204.2	232.4	132.7	132.9	138.7	155.5	160.1	151.1	165.6
1419.0	75°	1083.9	751.0	149.4	114.3	114.5	122.0	145.9	152.2	142.8	165.1
738.3	77.5°	520.8	337.6	108.2	96.1	96.1	103.0	126.1	136.2	121.7	128.3
237.3	80°	179.9	126.9	85.2	77.5	75.8	80.5	106.3	118.1	104.9	96.7
77.5	82.5°	70.9	65.9	68.4	60.2	54.7	57.7	82.7	97.5	77.2	69.8
43.7	85°	40.7	42.9	48.3	39.8	31.6	35.4	60.7	70.0	58.2	51.4
14.3	87.5°	11.0	15.1	22.2	20.6	14.3	15.1	28.8	38.7	33.5	25.8
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°
579.9
594.7
618.3
646.9
673.2
682.6
682.9
670.8
642.5
602.4
560.4
521.9
487.8
445.3
397.5
349.9
307.4
271.7
236.2
216.2
203.5
194.7
188.7
182.1
170.9
161.5
157.7
157.4
154.9
167.8
166.5
117.6
90.6
69.5
52.5
26.6
0.0

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