

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: P939215

Luminaire Tested: **GALN-SB1C-950-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939215
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1C-950-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5164 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

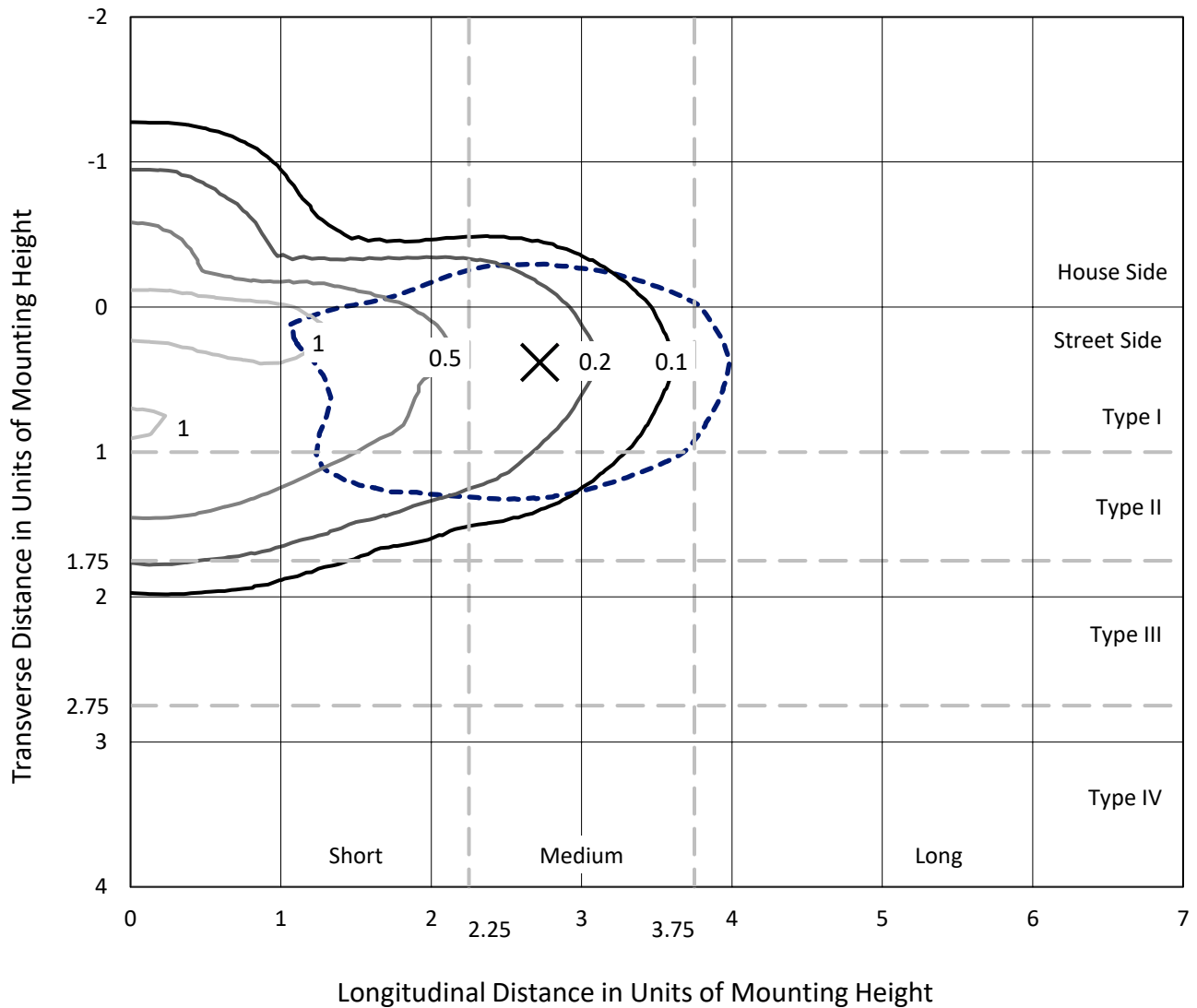
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

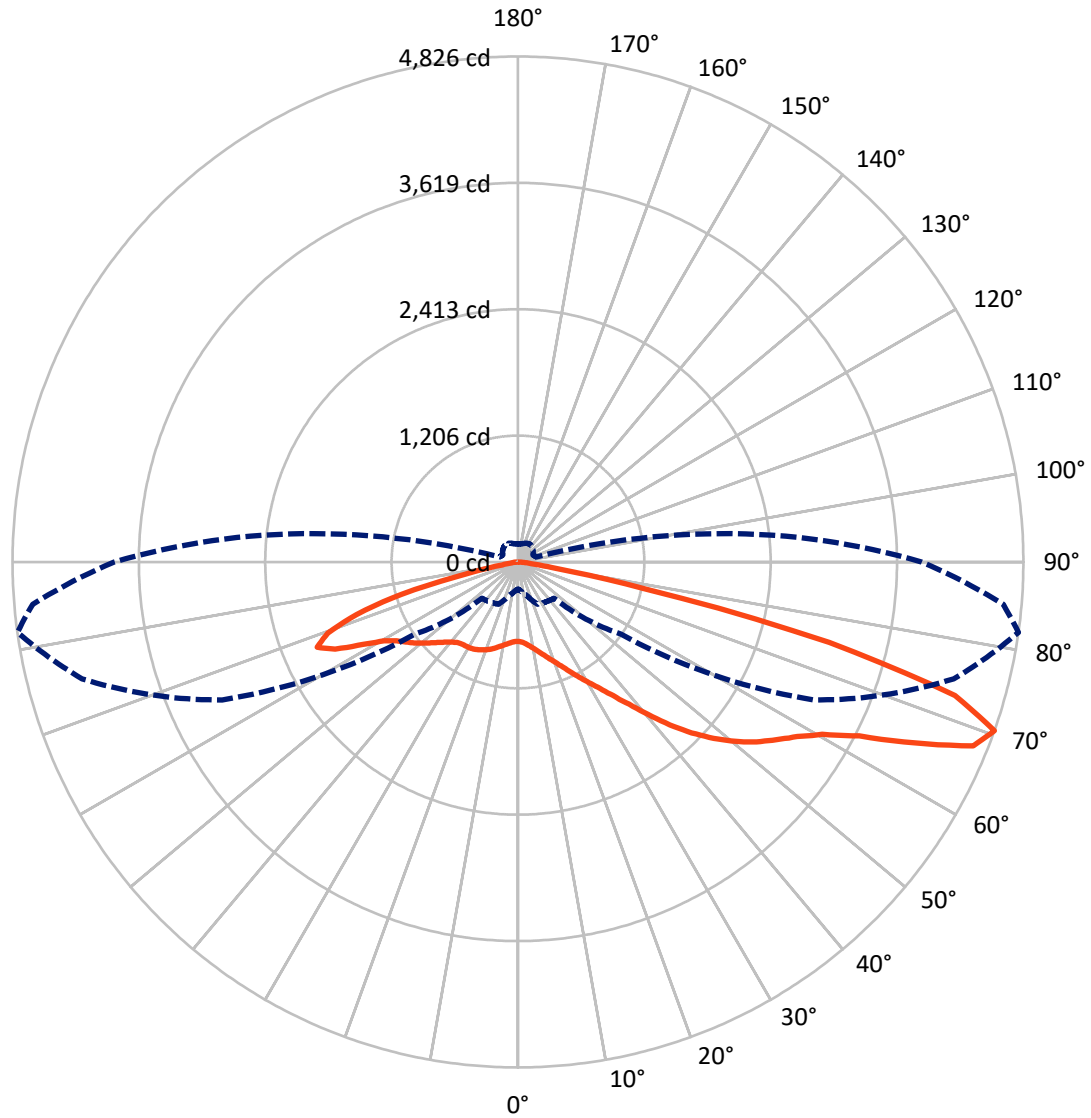
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1273.1	0.0	1273.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3891.0	0.0	3891.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	5164.0	0.0	5164.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.4
10°-20°	205.4	4.0
20°-30°	343.6	6.7
30°-40°	536.8	10.4
40°-50°	854.8	16.6
50°-60°	1189.6	23.0
60°-70°	1244.4	24.1
70°-80°	650.4	12.6
80°-90°	67.5	1.3
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°	5164.0	100.0
0°-180°	5164.0	100.0

Coefficient of Utilization



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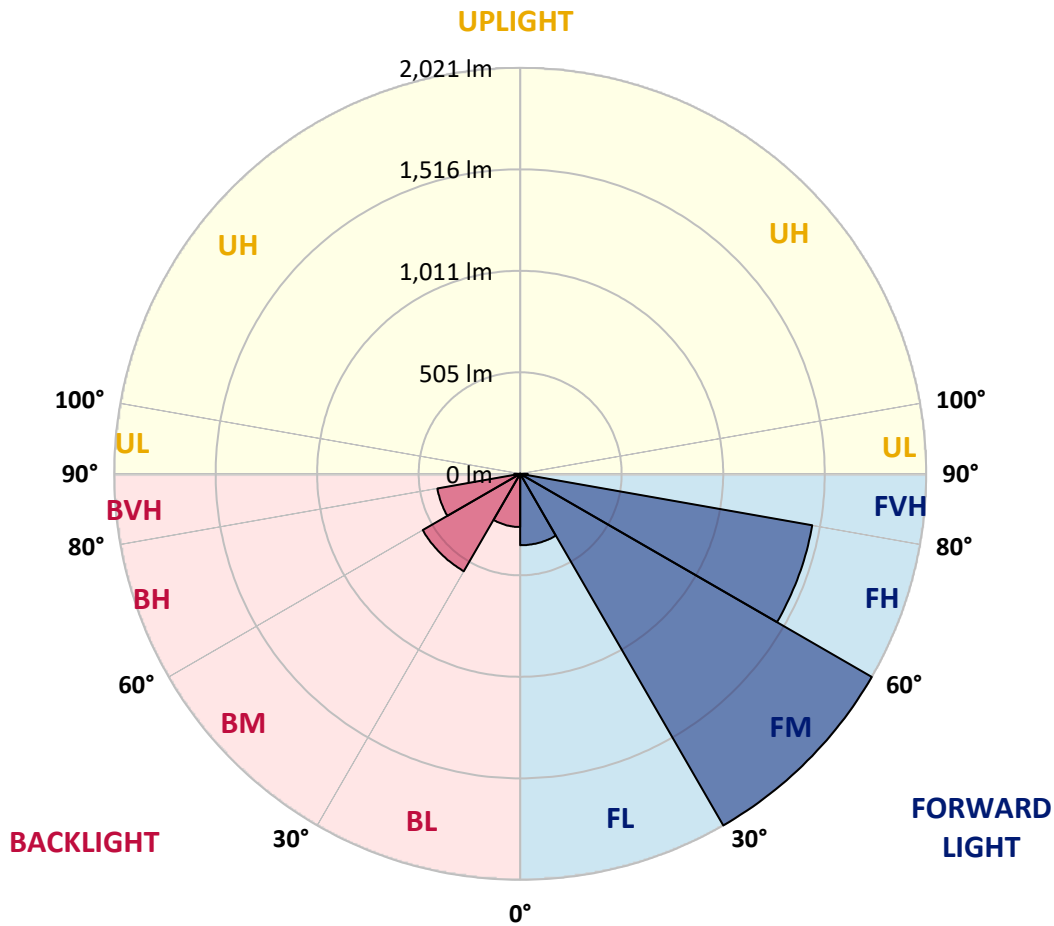
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	355.6	6.9			
FM (30°-60°)	2021.1	39.1			
FH (60°-80°)	1476.4	28.6			G1/1800
FVH (80°-90°)	37.8	0.7			G1/100
BL (0°-30°)	264.8	5.1	B1/500		
BM (30°-60°)	560.1	10.8	B1/1000		
BH (60°-80°)	418.4	8.1	B1/500		G1/500
BVH (80°-90°)	29.7	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
2.5°	775.2	779.6	778.2	776.8	776.8	774.9	774.6	771.9	769.7	766.1
5°	785.1	789.7	789.2	790.3	793.8	794.6	795.5	793.8	789.4	785.1
7.5°	776.3	781.5	783.1	789.7	800.7	810.5	817.9	821.0	816.8	810.5
10°	746.7	752.4	758.2	773.8	793.3	816.6	836.3	848.1	847.3	841.2
12.5°	686.7	692.7	705.0	735.5	771.1	812.2	848.9	873.6	882.1	877.7
15°	638.7	643.9	653.3	684.5	730.8	793.3	853.6	901.5	923.2	920.7
17.5°	637.4	639.6	645.3	660.1	695.7	763.7	848.6	928.9	970.3	970.0
20°	661.5	662.3	665.6	668.6	688.9	741.2	836.0	951.7	1023.2	1023.2
22.5°	694.9	694.4	697.6	694.9	704.8	739.3	828.1	971.7	1082.1	1086.5
25°	745.1	742.3	741.5	735.2	737.1	757.1	836.8	994.4	1152.0	1161.0
27.5°	811.9	807.5	804.5	790.0	785.1	793.8	863.7	1021.8	1229.8	1245.4
30°	899.0	891.1	886.7	861.5	843.7	845.1	904.3	1058.3	1311.2	1336.4
32.5°	1018.0	1005.6	993.9	952.5	919.9	909.2	956.6	1108.7	1399.4	1439.7
35°	1151.1	1141.3	1128.7	1064.8	1014.7	990.0	1027.3	1179.1	1502.7	1566.6
37.5°	1279.4	1270.9	1276.9	1190.9	1126.2	1090.3	1119.9	1273.6	1630.1	1724.4
40°	1412.0	1405.4	1406.3	1324.0	1248.7	1208.4	1232.3	1392.3	1776.2	1912.1
42.5°	1556.1	1551.2	1534.8	1461.9	1377.2	1339.7	1361.6	1529.3	1932.9	2125.8
45°	1717.5	1714.5	1699.2	1615.6	1518.6	1476.4	1506.0	1680.5	2090.5	2326.9
47.5°	1857.0	1859.5	1857.6	1787.1	1686.6	1624.6	1660.0	1838.4	2237.1	2516.0
50°	1924.1	1937.0	1955.9	1934.0	1871.5	1808.5	1815.4	1990.7	2376.8	2693.3
52.5°	1889.1	1913.5	1965.0	2000.0	2024.2	2011.0	1992.6	2142.0	2508.3	2853.3
55°	1758.4	1792.6	1878.1	1962.8	2085.8	2181.4	2205.6	2309.7	2636.6	2994.2
57.5°	1520.2	1575.9	1652.6	1823.9	2031.0	2263.9	2453.8	2542.3	2772.5	3144.6
60°	1112.0	1186.5	1281.8	1536.7	1839.2	2219.8	2665.1	2899.6	2965.7	3339.4
62.5°	711.6	757.7	845.3	1085.4	1433.1	1993.7	2729.8	3346.3	3293.1	3658.9
65°	487.2	516.8	597.1	731.9	926.4	1484.1	2556.6	3681.1	3813.2	4165.3
67.5°	354.0	376.5	445.0	563.1	603.7	878.2	1983.9	3665.8	4318.8	4687.0
70°	258.1	274.0	331.6	445.0	464.5	488.6	1201.8	3116.1	4307.8	4825.7
72.5°	191.3	202.2	240.9	345.3	376.0	329.9	594.9	2264.7	3701.7	4364.8
75°	138.4	146.6	175.1	264.2	300.9	251.3	296.8	1323.5	2582.1	3070.4
77.5°	105.8	112.1	130.7	193.5	240.9	188.5	184.1	608.9	1224.3	1230.3
80°	84.9	89.1	99.2	136.2	184.7	141.1	120.0	245.8	386.9	327.4
82.5°	62.5	69.3	83.8	95.6	132.1	97.3	73.2	124.1	147.1	126.6
85°	35.6	40.3	50.7	68.5	84.4	59.5	41.9	55.1	68.5	56.2
87.5°	12.6	16.4	17.8	26.9	36.7	24.7	16.2	15.9	22.5	16.7
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°
757.1	0°	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1	757.1
765.3	2.5°	762.6	761.2	755.7	748.3	740.7	733.3	730.8	725.6	722.0	720.1
783.1	5°	777.9	773.5	760.7	744.2	727.0	708.3	695.2	683.1	674.4	666.1
807.5	7.5°	799.9	792.2	770.0	741.2	710.5	679.6	656.5	639.0	627.2	619.6
836.0	10°	825.3	813.6	779.6	736.6	689.2	644.8	617.6	602.6	595.2	591.1
868.6	12.5°	854.7	837.9	789.4	725.9	656.5	605.8	587.2	582.8	583.1	583.4
909.7	15°	890.8	867.5	797.4	702.6	614.1	576.0	572.7	579.8	587.2	590.8
956.3	17.5°	931.7	898.8	798.8	664.2	572.4	556.8	567.2	582.6	593.8	598.7
1008.4	20°	975.5	930.6	788.9	610.0	538.2	541.2	559.8	579.5	591.9	598.2
1067.8	22.5°	1025.6	964.5	765.3	553.0	510.2	524.2	546.1	565.3	578.2	584.5
1137.7	25°	1082.9	1002.6	728.3	505.0	486.1	505.0	526.9	542.8	553.2	559.0
1215.8	27.5°	1146.5	1042.4	679.0	466.9	465.0	485.3	503.4	515.7	521.2	525.6
1298.8	30°	1210.3	1078.5	619.3	438.2	446.6	465.8	478.7	484.2	485.8	486.7
1391.5	32.5°	1279.4	1109.8	556.5	414.3	429.1	446.9	454.6	457.1	449.4	444.2
1503.8	35°	1363.0	1143.2	495.1	395.4	411.8	427.2	429.7	427.5	418.4	407.7
1644.6	37.5°	1466.3	1184.8	446.1	382.0	395.7	405.8	402.8	402.3	403.1	390.5
1814.0	40°	1592.9	1239.1	410.2	371.6	382.5	384.7	376.2	380.9	385.0	365.8
1999.8	42.5°	1733.4	1304.6	387.5	364.4	371.6	366.4	353.2	358.4	357.9	332.7
2186.4	45°	1876.7	1375.8	379.5	359.2	361.4	351.0	336.5	337.9	326.4	303.6
2365.3	47.5°	2019.2	1452.3	384.4	354.9	348.8	337.0	325.8	319.8	302.8	285.8
2536.8	50°	2159.0	1532.6	402.5	346.1	331.6	324.7	316.5	305.8	287.7	273.2
2699.1	52.5°	2288.6	1613.4	422.8	331.6	309.9	314.0	308.8	296.5	278.7	263.9
2852.5	55°	2411.3	1694.2	430.8	311.6	289.6	304.7	301.7	278.9	257.6	245.5
3013.1	57.5°	2545.1	1791.5	422.0	286.1	273.2	294.0	282.5	257.3	245.0	235.9
3222.2	60°	2730.3	1944.1	403.1	254.6	257.6	278.1	258.4	248.0	234.6	224.4
3535.6	62.5°	3038.0	2228.8	372.7	223.3	239.2	254.6	246.9	236.5	222.8	212.9
4071.6	65°	3492.9	2624.5	315.4	198.9	218.7	231.5	234.6	224.1	209.9	199.5
4541.3	67.5°	3876.5	2872.8	238.7	178.7	197.6	212.9	221.4	211.3	196.2	186.1
4651.2	70°	3855.4	2692.5	182.2	158.7	178.9	194.6	205.5	197.6	181.4	171.8
4224.8	72.5°	3424.4	2252.4	147.4	138.4	160.0	175.4	188.5	182.5	166.1	156.7
3095.0	75°	2515.7	1598.9	117.8	117.8	136.5	155.4	169.9	166.1	151.0	144.4
1299.4	77.5°	1060.4	670.8	92.3	97.8	113.4	133.4	151.5	152.9	139.7	148.0
343.6	80°	282.0	185.0	70.4	77.0	89.1	110.2	131.8	131.3	117.0	109.3
127.7	82.5°	107.4	72.9	50.1	54.3	64.4	84.4	104.4	107.7	93.4	80.8
50.1	85°	41.4	31.2	31.0	32.6	37.5	55.9	78.9	81.7	70.4	59.7
14.0	87.5°	10.7	9.3	11.5	11.0	17.3	29.9	45.2	46.9	43.0	24.9
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°
757.1
722.3
669.4
621.2
592.1
583.9
590.5
599.8
599.8
586.1
560.6
527.2
488.6
445.8
408.3
391.3
366.4
332.4
304.4
285.8
272.1
264.2
244.4
235.1
223.9
212.9
200.0
186.3
172.6
156.7
142.5
134.3
101.7
80.8
61.7
35.6
0.0

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