

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: P939145

Luminaire Tested: **GALN-SB1C-835-U-T2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P939145  
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-835-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6885 lumens  
Efficiency: N/A  
Efficacy: 126.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

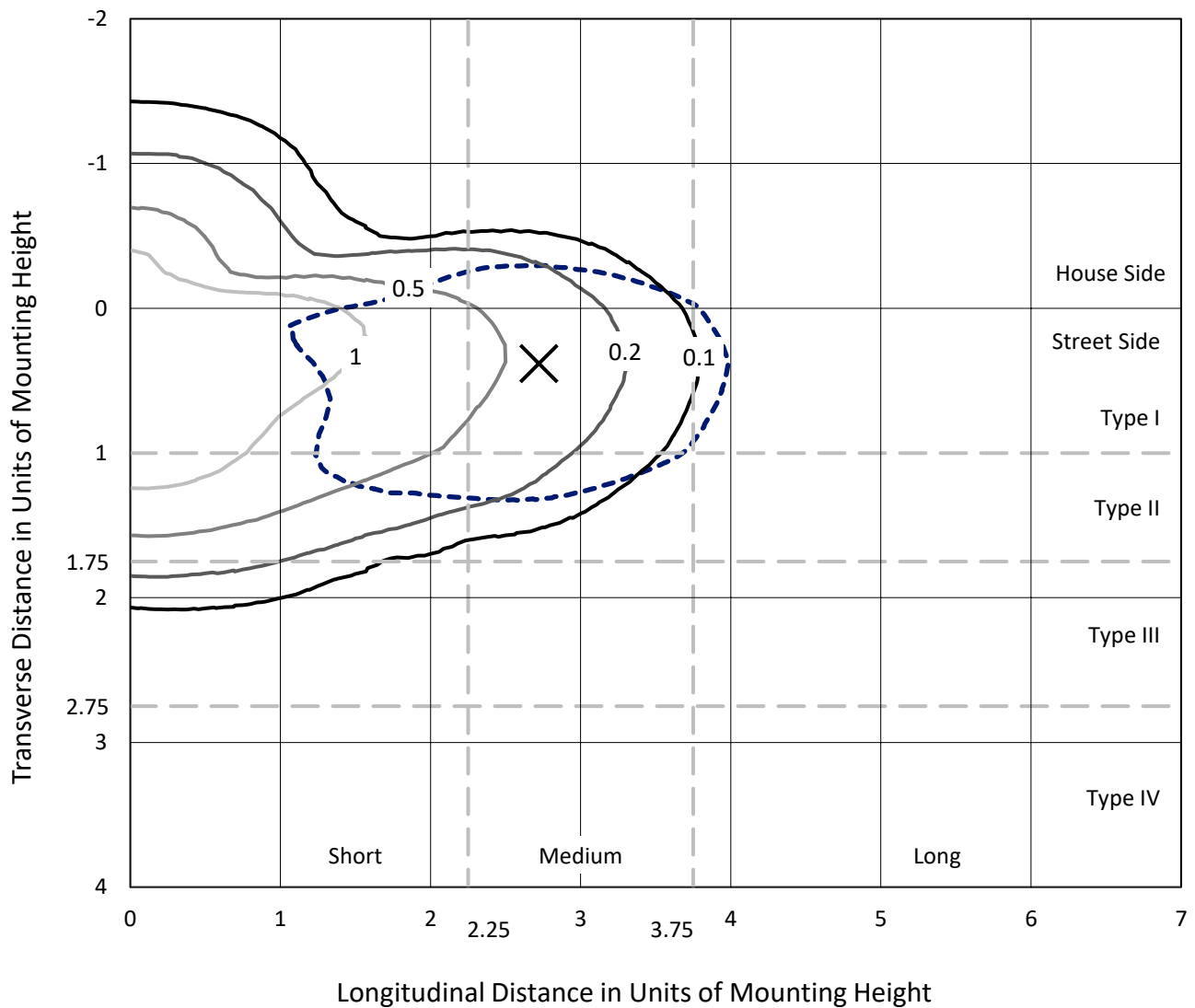
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

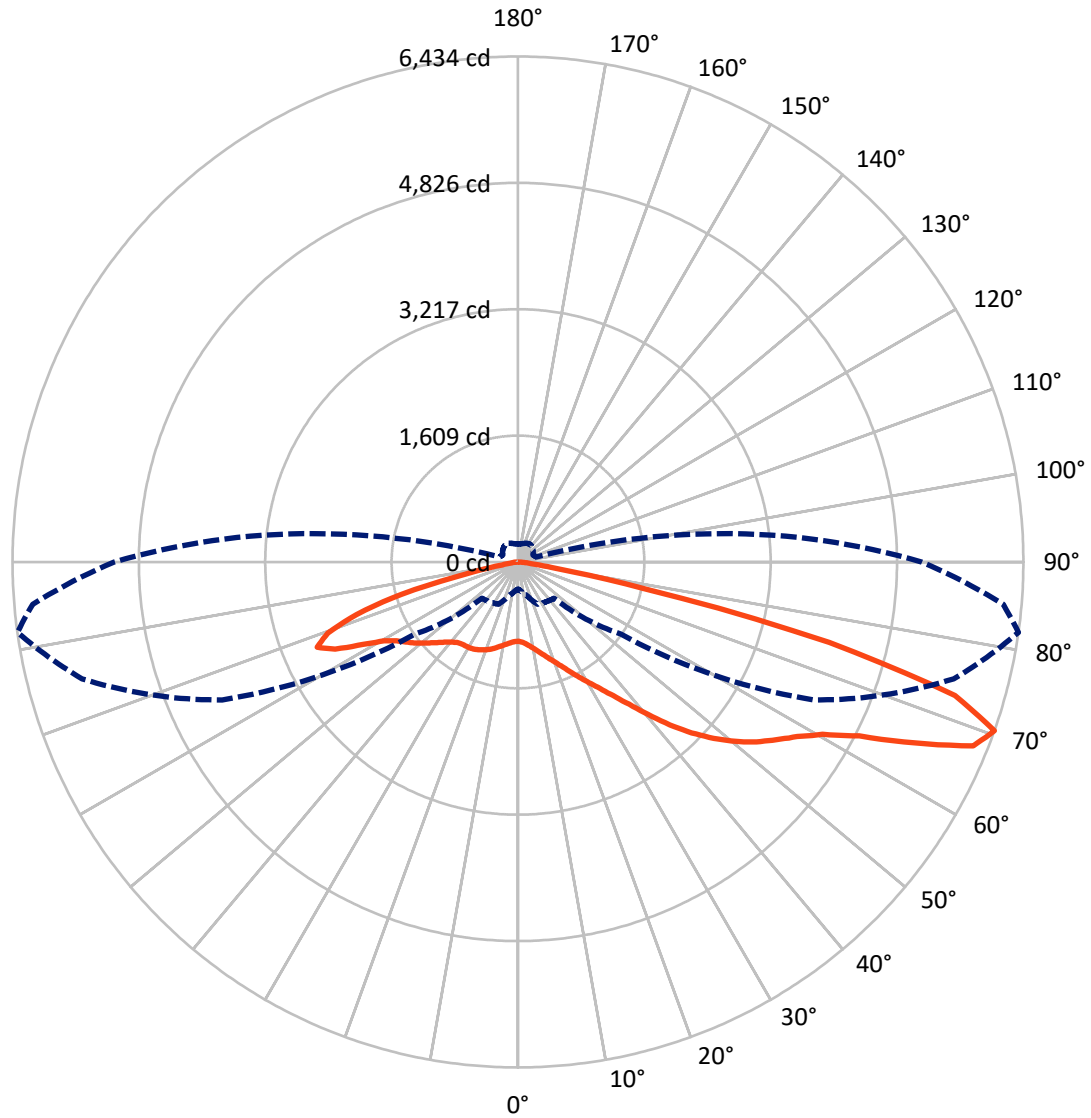
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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
<b>House Side</b>	Lumens	1697.3	0.0	1697.3
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	5187.7	0.0	5187.7
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	6885.0	0.0	6885.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	1.4
10°-20°	273.8	4.0
20°-30°	458.1	6.7
30°-40°	715.6	10.4
40°-50°	1139.7	16.6
50°-60°	1586.1	23.0
60°-70°	1659.1	24.1
70°-80°	867.1	12.6
80°-90°	90.0	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°	6885.0	100.0
0°-180°	6885.0	100.0

**Coefficient of Utilization**



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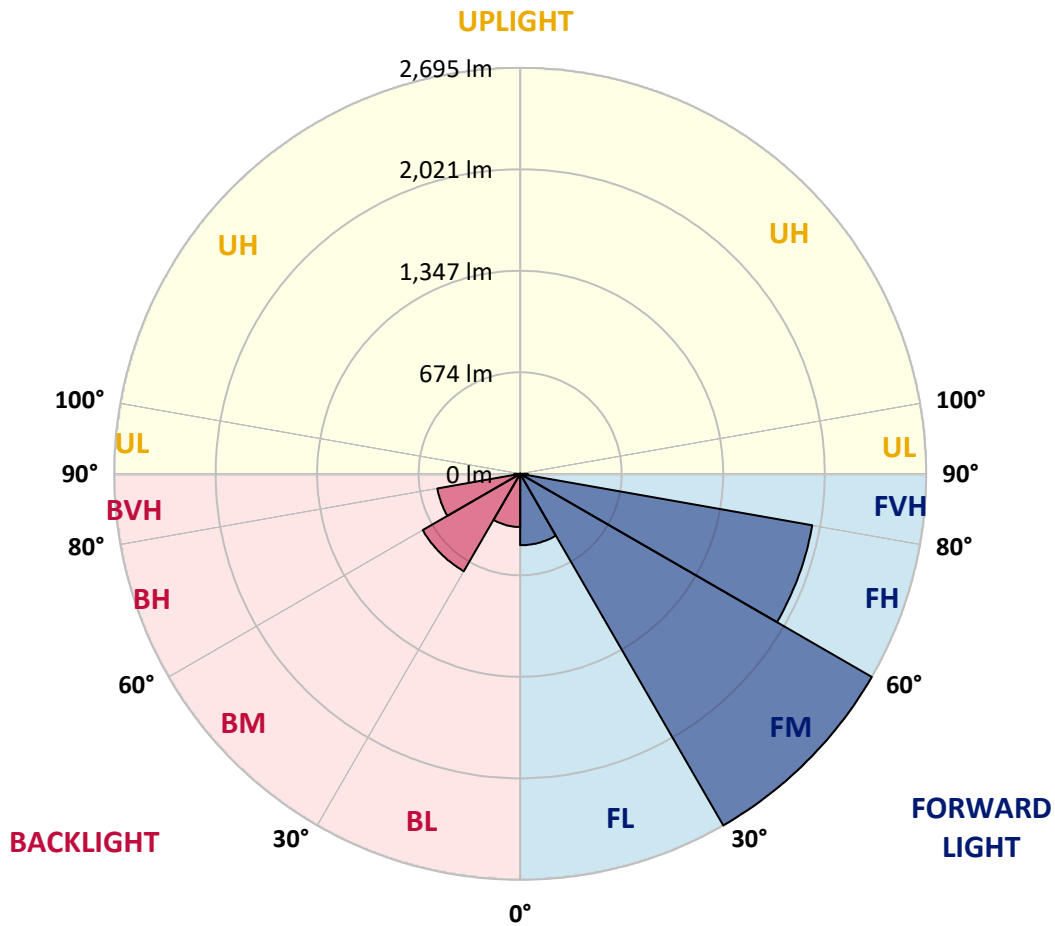
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.1	6.9			
FM (30°-60°)	2694.7	39.1			
FH (60°-80°)	1968.4	28.6			G2/5000
FVH (80°-90°)	50.4	0.7			G1/100
BL (0°-30°)	353.1	5.1	B1/500		
BM (30°-60°)	746.8	10.8	B1/1000		
BH (60°-80°)	557.8	8.1	B2/1000		G2/1000
BVH (80°-90°)	39.6	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4
2.5°	1033.5	1039.4	1037.6	1035.7	1035.7	1033.2	1032.8	1029.2	1026.2	1021.5
5°	1046.7	1052.9	1052.2	1053.6	1058.4	1059.5	1060.6	1058.4	1052.5	1046.7
7.5°	1035.0	1041.9	1044.1	1052.9	1067.5	1080.7	1090.5	1094.6	1089.1	1080.7
10°	995.5	1003.2	1010.9	1031.7	1057.7	1088.7	1115.0	1130.7	1129.6	1121.6
12.5°	915.5	923.6	940.0	980.6	1028.1	1082.9	1131.8	1164.7	1176.0	1170.2
15°	851.6	858.5	871.0	912.6	974.4	1057.7	1138.0	1202.0	1230.8	1227.5
17.5°	849.8	852.7	860.4	880.1	927.6	1018.2	1131.4	1238.5	1293.7	1293.3
20°	881.9	883.0	887.4	891.4	918.5	988.2	1114.6	1268.8	1364.2	1364.2
22.5°	926.5	925.8	930.1	926.5	939.6	985.7	1104.0	1295.5	1442.7	1448.6
25°	993.4	989.7	988.6	980.2	982.8	1009.4	1115.7	1325.8	1535.9	1547.9
27.5°	1082.5	1076.6	1072.6	1053.3	1046.7	1058.4	1151.5	1362.3	1639.6	1660.5
30°	1198.7	1188.1	1182.2	1148.6	1124.9	1126.7	1205.6	1410.9	1748.1	1781.8
32.5°	1357.2	1340.8	1325.1	1269.9	1226.4	1212.2	1275.4	1478.2	1865.8	1919.5
35°	1534.8	1521.6	1504.8	1419.7	1352.8	1320.0	1369.6	1572.0	2003.5	2088.6
37.5°	1705.8	1694.4	1702.5	1587.8	1501.5	1453.7	1493.1	1698.1	2173.4	2299.1
40°	1882.6	1873.8	1874.9	1765.3	1664.8	1611.1	1642.9	1856.3	2368.1	2549.3
42.5°	2074.8	2068.2	2046.3	1949.1	1836.2	1786.1	1815.4	2038.9	2577.1	2834.3
45°	2289.9	2285.9	2265.5	2154.0	2024.7	1968.4	2007.9	2240.6	2787.2	3102.4
47.5°	2475.9	2479.2	2476.6	2382.7	2248.7	2166.1	2213.2	2451.0	2982.6	3354.5
50°	2565.4	2582.6	2607.8	2578.6	2495.3	2411.2	2420.4	2654.2	3168.9	3590.9
52.5°	2518.6	2551.2	2619.8	2666.6	2698.7	2681.2	2656.7	2855.8	3344.3	3804.3
55°	2344.4	2390.0	2504.0	2616.9	2780.9	2908.5	2940.6	3079.4	3515.3	3992.0
57.5°	2026.9	2101.1	2203.3	2431.7	2707.9	3018.4	3271.6	3389.6	3696.5	4192.6
60°	1482.5	1581.9	1709.0	2048.8	2452.1	2959.6	3553.3	3866.0	3954.0	4452.4
62.5°	948.8	1010.2	1127.1	1447.1	1910.7	2658.2	3639.5	4461.5	4390.6	4878.3
65°	649.6	689.0	796.1	975.8	1235.2	1978.7	3408.6	4907.9	5084.0	5553.5
67.5°	472.0	502.0	593.3	750.8	804.8	1170.9	2645.0	4887.5	5758.1	6249.1
70°	344.1	365.3	442.1	593.3	619.2	651.4	1602.4	4154.6	5743.5	6434.0
72.5°	255.0	269.6	321.1	460.3	501.2	439.9	793.1	3019.5	4935.3	5819.5
75°	184.5	195.5	233.5	352.2	401.1	335.0	395.7	1764.6	3442.6	4093.6
77.5°	141.0	149.4	174.3	257.9	321.1	251.4	245.5	811.8	1632.3	1640.4
80°	113.3	118.7	132.3	181.6	246.2	188.1	160.0	327.7	515.9	436.6
82.5°	83.3	92.4	111.8	127.5	176.1	129.7	97.5	165.5	196.2	168.8
85°	47.5	53.7	67.6	91.3	112.5	79.3	55.9	73.4	91.3	74.9
87.5°	16.8	21.9	23.7	35.8	49.0	32.9	21.6	21.2	30.0	22.3
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°
1009.4	0°	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4	1009.4
1020.4	2.5°	1016.7	1014.9	1007.6	997.7	987.5	977.6	974.4	967.4	962.7	960.1
1044.1	5°	1037.2	1031.3	1014.2	992.3	969.2	944.4	926.9	910.8	899.1	888.1
1076.6	7.5°	1066.4	1056.2	1026.6	988.2	947.3	906.0	875.3	852.0	836.3	826.0
1114.6	10°	1100.4	1084.7	1039.4	982.0	918.8	859.6	823.5	803.4	793.5	788.0
1158.1	12.5°	1139.5	1117.2	1052.5	967.8	875.3	807.8	782.9	777.1	777.4	777.8
1212.9	15°	1187.7	1156.7	1063.1	936.7	818.7	767.9	763.6	773.1	782.9	787.7
1275.0	17.5°	1242.1	1198.3	1065.0	885.6	763.2	742.4	756.2	776.7	791.7	798.3
1344.4	20°	1300.6	1240.7	1051.8	813.2	717.5	721.5	746.4	772.7	789.1	797.5
1423.7	22.5°	1367.5	1286.0	1020.4	737.3	680.3	698.9	728.1	753.7	770.9	779.3
1516.9	25°	1443.8	1336.8	971.1	673.3	648.1	673.3	702.5	723.7	737.6	745.3
1621.0	27.5°	1528.6	1389.7	905.3	622.5	620.0	647.0	671.1	687.6	694.9	700.7
1731.7	30°	1613.7	1438.0	825.7	584.2	595.5	621.1	638.2	645.6	647.7	648.8
1855.2	32.5°	1705.8	1479.6	742.0	552.4	572.1	595.9	606.1	609.4	599.2	592.2
2005.0	35°	1817.2	1524.2	660.2	527.2	549.1	569.6	572.8	569.9	557.9	543.6
2192.8	37.5°	1954.9	1579.7	594.8	509.3	527.5	541.1	537.0	536.3	537.4	520.6
2418.5	40°	2123.7	1652.1	546.9	495.4	510.0	512.9	501.6	507.8	513.3	487.7
2666.2	42.5°	2311.1	1739.4	516.6	485.9	495.4	488.5	470.9	477.9	477.1	443.5
2915.0	45°	2502.2	1834.4	506.0	479.0	481.9	468.0	448.6	450.5	435.1	404.8
3153.6	47.5°	2692.2	1936.3	512.6	473.1	465.1	449.4	434.4	426.3	403.7	381.0
3382.3	50°	2878.5	2043.3	536.7	461.4	442.1	432.9	422.0	407.7	383.6	364.2
3598.6	52.5°	3051.3	2151.1	563.7	442.1	413.2	418.7	411.7	395.3	371.5	351.8
3803.2	55°	3215.0	2258.9	574.3	415.4	386.2	406.3	402.2	371.9	343.4	327.3
4017.2	57.5°	3393.3	2388.6	562.6	381.4	364.2	392.0	376.7	343.1	326.6	314.6
4296.0	60°	3640.2	2592.1	537.4	339.4	343.4	370.8	344.5	330.6	312.7	299.2
4713.9	62.5°	4050.5	2971.7	496.9	297.7	318.9	339.4	329.2	315.3	297.0	283.9
5428.5	65°	4657.0	3499.2	420.5	265.2	291.5	308.7	312.7	298.8	279.8	266.0
6054.7	67.5°	5168.4	3830.2	318.2	238.2	263.4	283.9	295.2	281.7	261.6	248.1
6201.2	70°	5140.3	3589.8	242.9	211.5	238.6	259.4	274.0	263.4	241.9	229.1
5632.8	72.5°	4565.6	3003.1	196.6	184.5	213.4	233.8	251.4	243.3	221.4	209.0
4126.5	75°	3354.2	2131.7	157.1	157.1	181.9	207.1	226.5	221.4	201.3	192.5
1732.4	77.5°	1413.9	894.3	123.1	130.4	151.2	177.9	202.0	203.9	186.3	197.3
458.1	80°	375.9	246.6	93.9	102.7	118.7	146.9	175.7	175.0	156.0	145.8
170.2	82.5°	143.2	97.2	66.9	72.3	85.9	112.5	139.2	143.6	124.6	107.8
66.9	85°	55.2	41.6	41.3	43.5	50.1	74.5	105.2	108.9	93.9	79.6
18.6	87.5°	14.2	12.4	15.3	14.6	23.0	39.8	60.3	62.5	57.4	33.2
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

180°
1009.4
963.0
892.5
828.2
789.5
778.5
787.3
799.7
799.7
781.5
747.5
702.9
651.4
594.4
544.4
521.7
488.5
443.2
405.9
381.0
362.8
352.2
325.9
313.5
298.5
283.9
266.7
248.4
230.2
209.0
190.0
179.0
135.5
107.8
82.2
47.5
0.0

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