

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: P939212

Luminaire Tested: **GALN-SB1C-950-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
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-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5166 lumens
Efficiency: N/A
Efficacy: 95.0 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

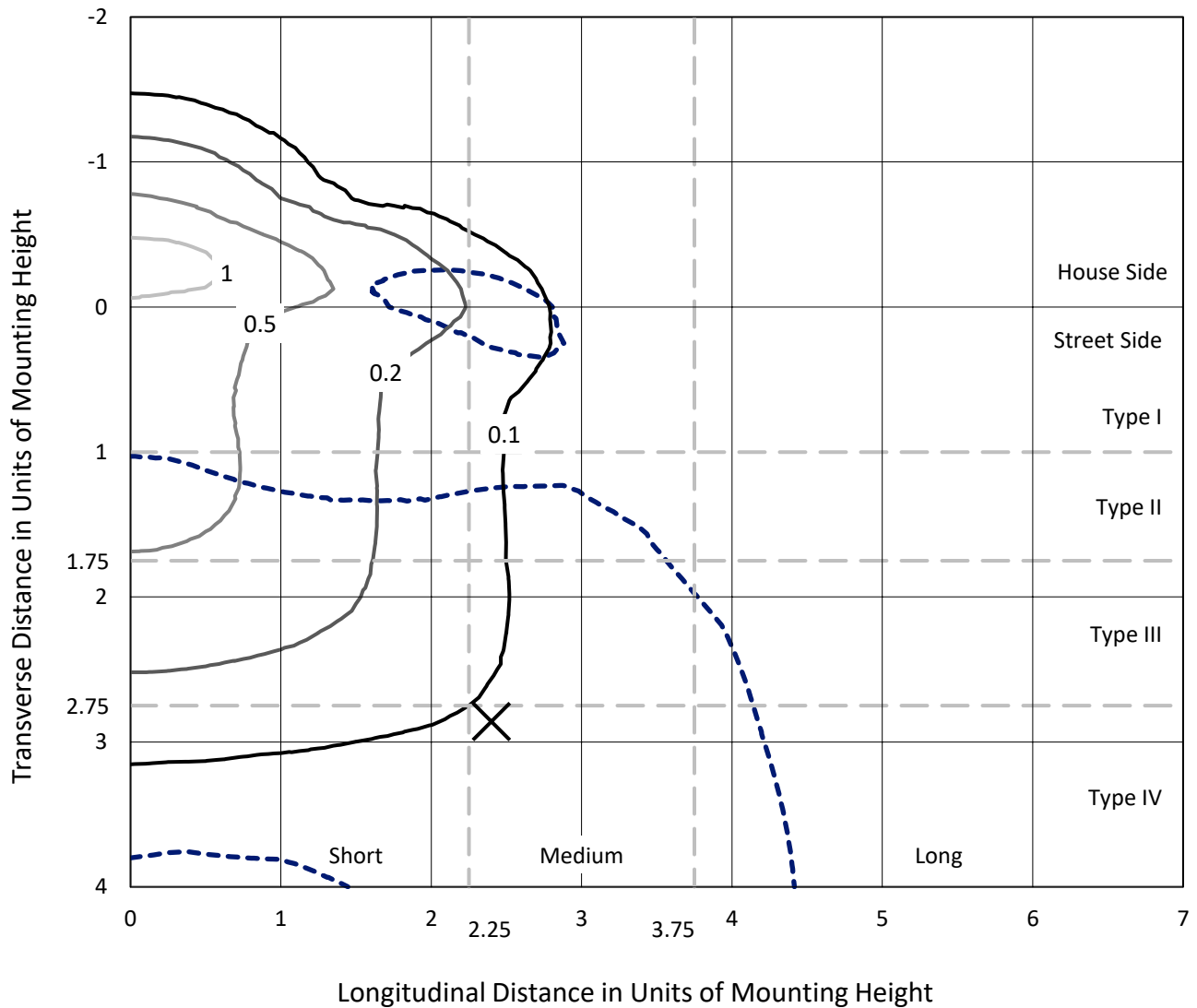
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

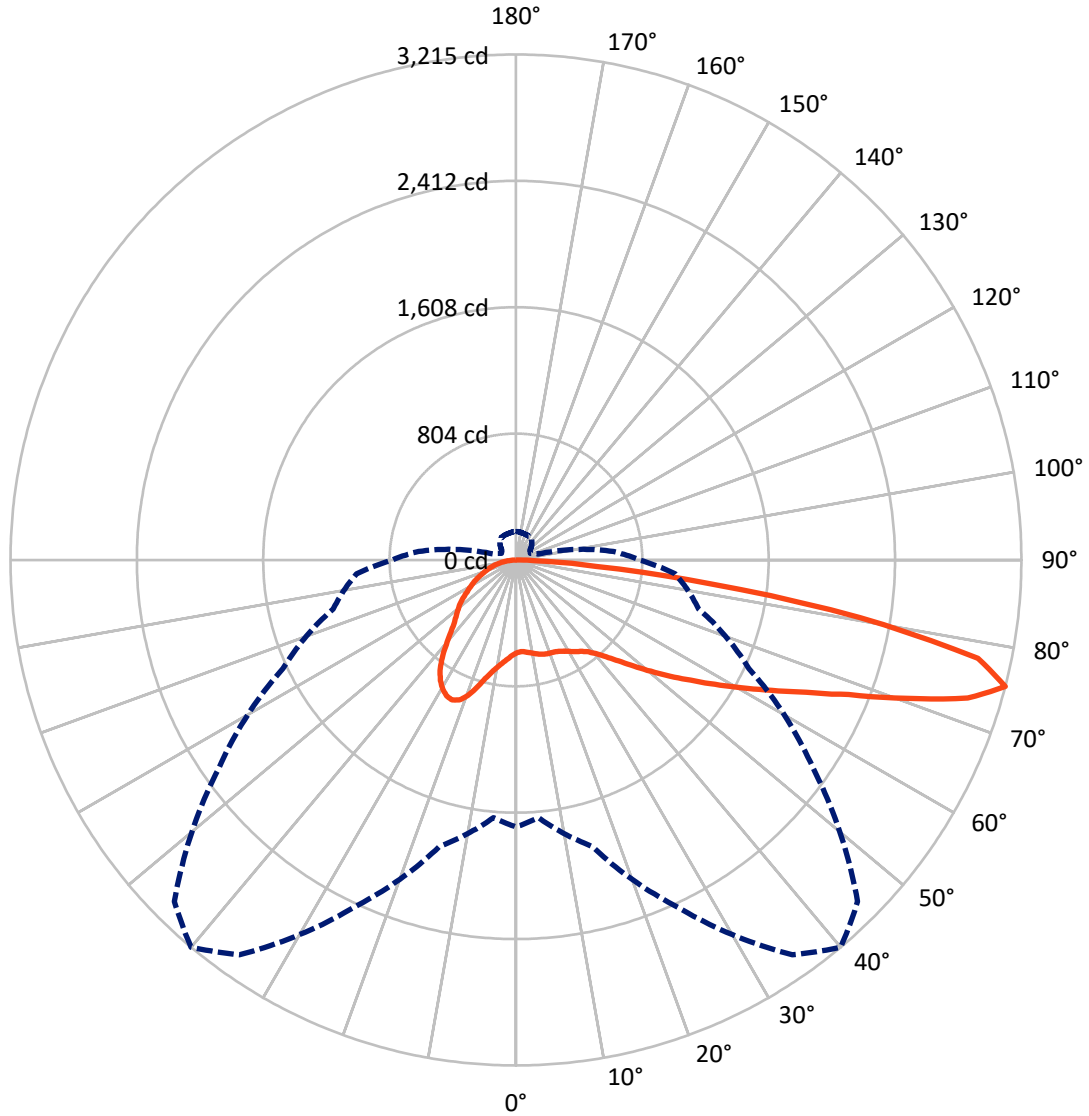
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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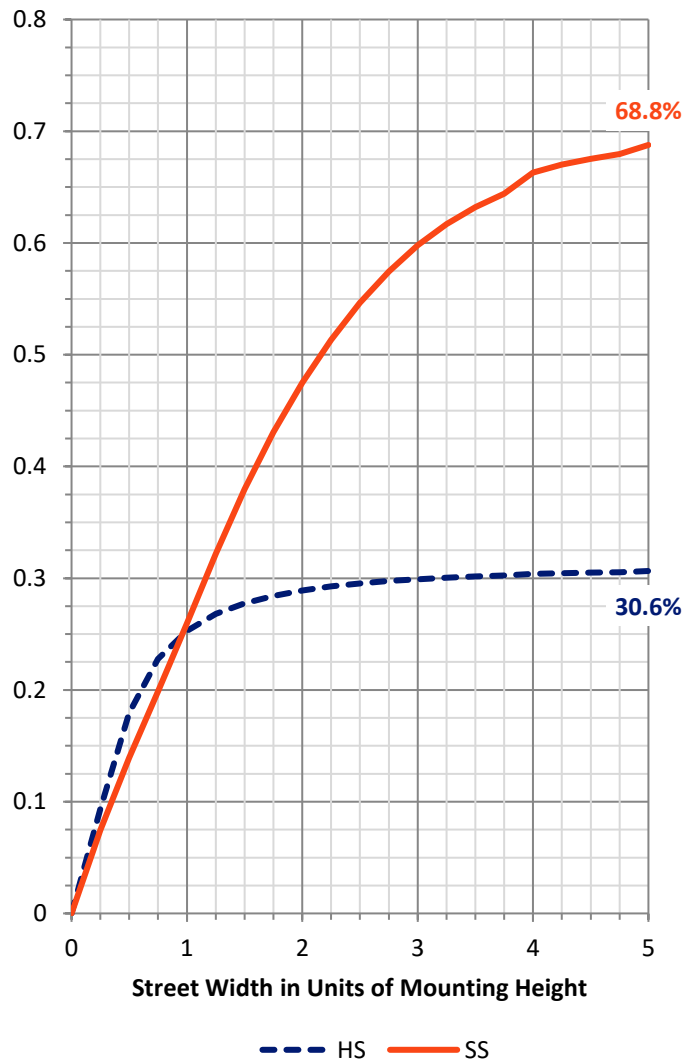
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1600.6	0.0	1600.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3565.4	0.0	3565.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	5166.0	0.0	5166.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.1
10°-20°	198.0	3.8
20°-30°	361.5	7.0
30°-40°	512.7	9.9
40°-50°	692.3	13.4
50°-60°	931.3	18.0
60°-70°	1182.1	22.9
70°-80°	1072.8	20.8
80°-90°	156.4	3.0
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°	5166.0	100.0
0°-180°	5166.0	100.0

Coefficient of Utilization



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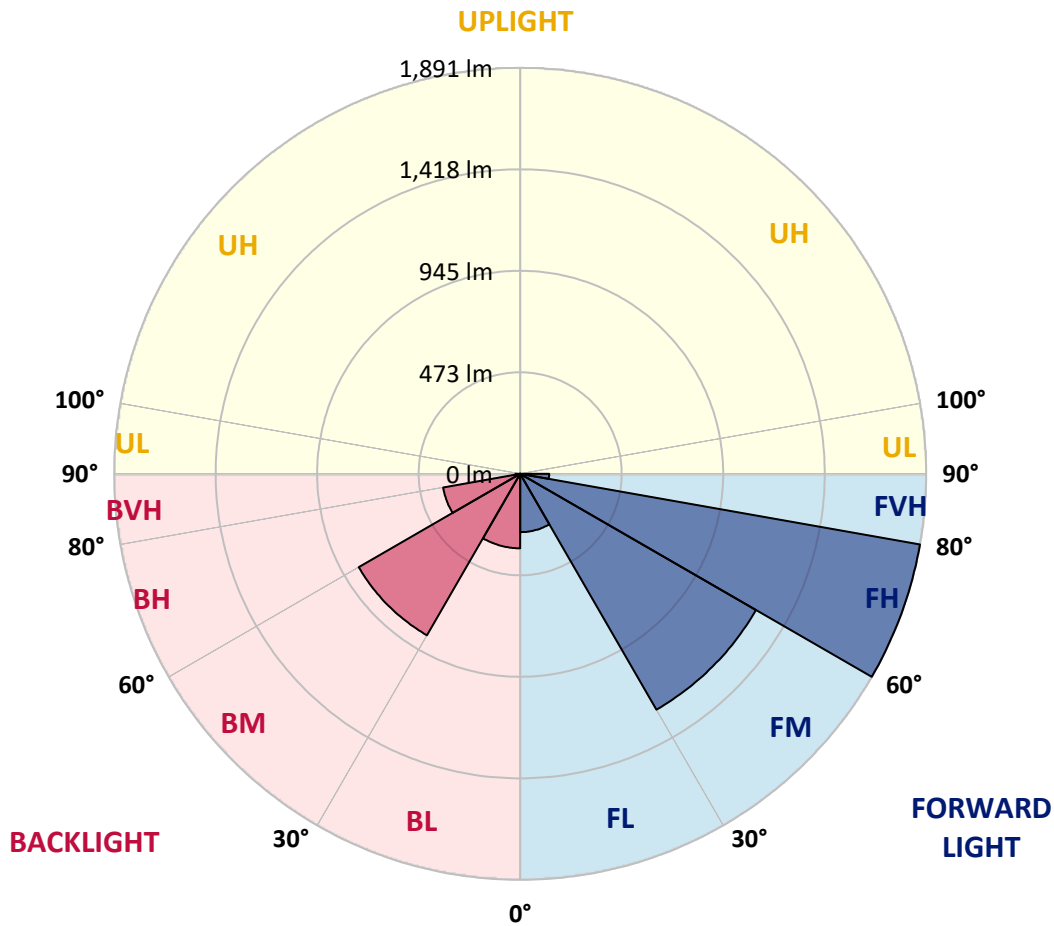
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.7	5.3			
FM (30°-60°)	1268.1	24.5			
FH (60°-80°)	1890.7	36.6			G2/5000
FVH (80°-90°)	134.8	2.6			G2/225
BL (0°-30°)	346.7	6.7	B1/500		
BM (30°-60°)	868.2	16.8	B1/1000		
BH (60°-80°)	364.2	7.0	B1/500		G1/500
BVH (80°-90°)	21.5	0.4			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°	40°	45°	55°	65°	75°
0°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	581.7	585.0	584.2	583.1	583.1	583.3	583.1	585.0	586.9	588.8
5°	587.7	591.0	589.4	588.0	586.9	586.6	585.8	585.5	586.6	589.1
7.5°	599.5	602.8	600.3	597.9	595.7	594.6	593.5	591.8	591.0	592.4
10°	612.7	615.9	612.9	608.5	605.0	603.6	602.5	600.9	599.8	600.6
12.5°	625.8	629.1	625.0	619.0	614.3	613.5	612.1	611.6	611.3	611.0
15°	638.1	640.9	635.7	628.6	623.6	622.2	620.9	621.7	623.1	624.7
17.5°	647.7	650.5	642.8	633.5	628.8	628.3	627.5	630.2	634.0	638.1
20°	656.5	659.2	649.4	636.8	631.3	631.3	631.6	637.3	642.8	648.8
22.5°	668.8	671.0	659.0	641.7	633.8	634.3	636.5	642.3	649.1	657.3
25°	687.2	688.8	674.0	651.0	642.0	643.6	645.5	648.3	654.9	664.4
27.5°	716.8	718.1	698.7	667.5	653.8	656.5	659.2	657.3	660.3	668.6
30°	758.4	759.2	734.6	693.2	673.8	675.1	675.7	667.7	662.0	668.6
32.5°	807.7	807.5	778.2	724.4	696.5	695.1	690.5	674.9	661.4	667.2
35°	884.2	881.2	843.4	768.3	722.3	713.8	702.8	682.8	664.2	665.8
37.5°	1010.8	1001.5	949.1	840.1	760.6	739.0	722.8	695.7	670.2	665.3
40°	1153.5	1141.7	1084.2	938.4	818.2	783.4	757.3	714.0	680.1	667.7
42.5°	1322.9	1306.1	1244.2	1054.3	891.0	840.6	801.4	737.3	694.6	675.7
45°	1530.8	1508.6	1421.0	1185.0	982.8	915.7	863.4	772.7	716.8	691.0
47.5°	1741.0	1746.5	1621.8	1334.6	1093.0	1008.3	940.9	825.8	749.1	715.7
50°	1964.3	1968.1	1821.5	1500.4	1217.9	1113.0	1028.0	885.3	794.0	750.8
52.5°	2138.6	2139.1	2002.9	1673.9	1348.1	1228.1	1122.0	953.2	846.1	797.3
55°	2247.6	2246.2	2130.1	1838.0	1497.7	1348.9	1226.1	1030.5	909.7	852.1
57.5°	2326.8	2322.7	2217.7	1979.1	1657.1	1491.6	1344.0	1118.2	984.7	917.3
60°	2356.9	2354.5	2277.2	2101.0	1824.8	1649.5	1479.9	1216.3	1070.0	994.3
62.5°	2368.4	2373.1	2335.6	2219.1	2004.3	1824.3	1629.2	1333.5	1165.9	1081.5
65°	2409.0	2417.5	2409.8	2373.6	2207.1	2029.0	1827.3	1473.0	1270.5	1174.9
67.5°	2489.3	2497.8	2501.1	2558.6	2454.7	2284.0	2074.4	1646.7	1393.0	1271.9
70°	2487.4	2484.9	2543.0	2705.7	2764.9	2637.2	2407.6	1860.4	1539.0	1352.5
72.5°	2264.0	2244.3	2381.6	2704.1	3023.0	3006.0	2814.5	2136.1	1665.1	1362.3
75°	1698.5	1645.9	1888.4	2436.9	3066.0	3215.4	3073.2	2307.1	1635.2	1203.7
77.5°	726.4	673.5	959.3	1804.0	2744.1	3005.8	2835.9	2012.8	1305.3	796.0
80°	190.2	189.9	289.9	817.9	1866.2	2219.7	1947.3	1299.8	745.8	284.4
82.5°	78.6	76.7	106.6	318.1	911.9	1245.6	1016.5	579.8	269.3	77.0
85°	29.3	29.0	51.8	109.9	321.7	513.7	371.8	148.2	67.1	37.5
87.5°	8.2	7.9	11.2	38.1	78.4	118.9	63.6	24.4	18.9	14.8
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°
590.7	0°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
591.8	2.5°	592.7	594.0	596.5	598.4	600.9	603.6	607.5	609.9	612.4	614.0
593.2	5°	595.1	598.1	604.4	610.7	618.1	625.0	632.9	638.7	643.3	644.7
598.1	7.5°	600.6	605.5	616.2	626.9	638.7	649.9	661.4	671.3	679.2	682.3
606.9	10°	610.2	616.8	631.8	646.9	662.5	679.8	694.6	708.8	720.1	724.7
617.3	12.5°	622.2	630.5	650.2	671.0	692.7	716.5	735.7	753.2	767.2	773.5
631.8	15°	637.9	648.6	673.8	701.7	733.5	766.6	791.0	810.5	826.1	833.8
646.9	17.5°	654.9	669.1	700.9	743.1	788.6	832.1	860.6	874.9	891.0	898.4
660.9	20°	671.3	688.8	734.3	795.7	856.2	902.5	925.6	929.4	930.5	931.3
674.0	22.5°	688.3	711.8	776.2	862.0	926.9	959.0	962.3	945.8	922.8	912.1
686.9	25°	706.9	738.1	831.0	935.2	987.8	991.6	966.4	926.4	882.8	862.8
697.3	27.5°	725.0	768.6	896.8	1005.0	1031.6	997.9	943.6	886.9	834.3	813.2
704.7	30°	743.1	803.4	969.4	1066.1	1051.6	982.3	907.8	844.5	791.6	769.4
711.3	32.5°	761.4	843.9	1053.0	1110.2	1048.0	949.1	863.1	796.8	750.2	726.9
717.1	35°	782.3	893.8	1132.2	1134.4	1024.2	900.4	804.2	739.8	699.2	680.6
723.9	37.5°	809.4	957.1	1202.0	1140.4	982.6	828.8	731.0	672.4	639.0	630.5
734.0	40°	843.1	1033.2	1255.5	1130.8	920.9	742.0	651.0	604.2	585.3	587.2
747.7	42.5°	886.9	1118.5	1293.0	1106.1	835.1	652.4	580.9	560.1	569.1	576.8
768.3	45°	943.9	1207.0	1316.3	1064.2	738.1	576.5	539.5	544.4	551.3	552.1
801.4	47.5°	1016.8	1296.6	1331.6	1000.9	639.2	523.1	513.2	514.3	512.9	507.2
851.0	50°	1107.8	1383.7	1345.3	917.1	555.1	489.6	476.5	472.6	453.7	435.1
917.1	52.5°	1211.3	1463.7	1351.1	813.0	489.6	461.7	440.3	416.2	380.9	375.1
1000.1	55°	1326.4	1537.7	1336.3	685.0	434.6	425.8	393.5	364.4	360.6	355.6
1109.4	57.5°	1464.0	1617.4	1306.1	542.2	378.1	383.9	352.4	355.6	348.8	341.1
1250.0	60°	1614.4	1699.9	1253.3	412.1	319.8	331.5	341.7	341.4	339.5	333.2
1398.2	62.5°	1749.7	1754.1	1149.1	315.6	268.5	291.0	318.7	318.4	316.7	313.2
1553.0	65°	1830.3	1745.9	975.4	248.5	226.3	257.6	287.4	289.6	289.9	289.6
1669.5	67.5°	1816.1	1649.7	737.1	197.8	191.5	223.6	256.5	259.5	261.7	262.2
1684.3	70°	1654.9	1438.5	480.6	157.8	160.6	193.7	227.1	230.2	232.1	234.3
1461.5	72.5°	1290.0	1057.6	275.1	127.7	133.4	168.0	198.1	201.7	202.8	206.9
1017.1	75°	786.1	622.0	148.5	100.6	109.6	143.6	169.3	173.4	175.4	180.3
499.5	77.5°	373.7	269.3	84.7	78.4	88.2	117.3	143.0	147.7	142.5	145.2
137.8	80°	126.3	100.0	53.4	59.7	67.4	91.5	114.5	119.2	108.2	107.7
45.8	82.5°	44.1	40.6	34.0	39.7	43.6	65.5	86.6	92.6	80.6	80.3
20.5	85°	17.3	16.4	18.9	21.6	26.0	40.3	57.0	60.0	49.6	40.0
6.0	87.5°	3.6	3.8	4.7	4.9	7.9	14.0	20.5	25.2	20.0	17.0
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°
590.7
612.9
645.3
682.5
725.0
773.5
833.2
898.2
933.5
915.2
865.8
815.7
771.9
729.9
684.7
636.5
593.8
583.9
557.6
511.6
437.6
377.0
356.5
339.8
331.0
311.8
289.6
262.8
235.4
208.5
180.8
143.0
106.6
76.4
39.5
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