

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: P945455

Luminaire Tested: **GALN-SB1B-927-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1B-927-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3475 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

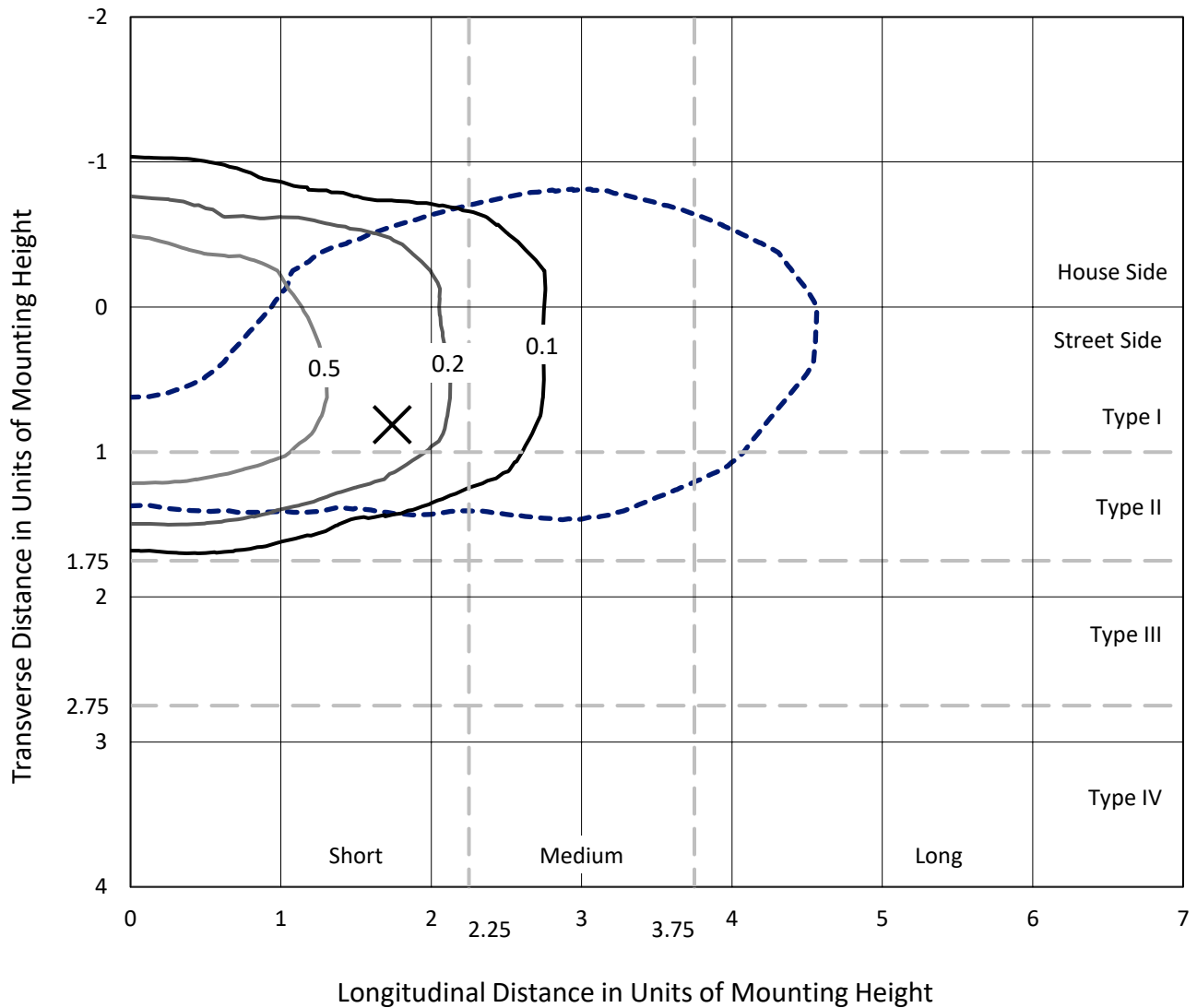
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

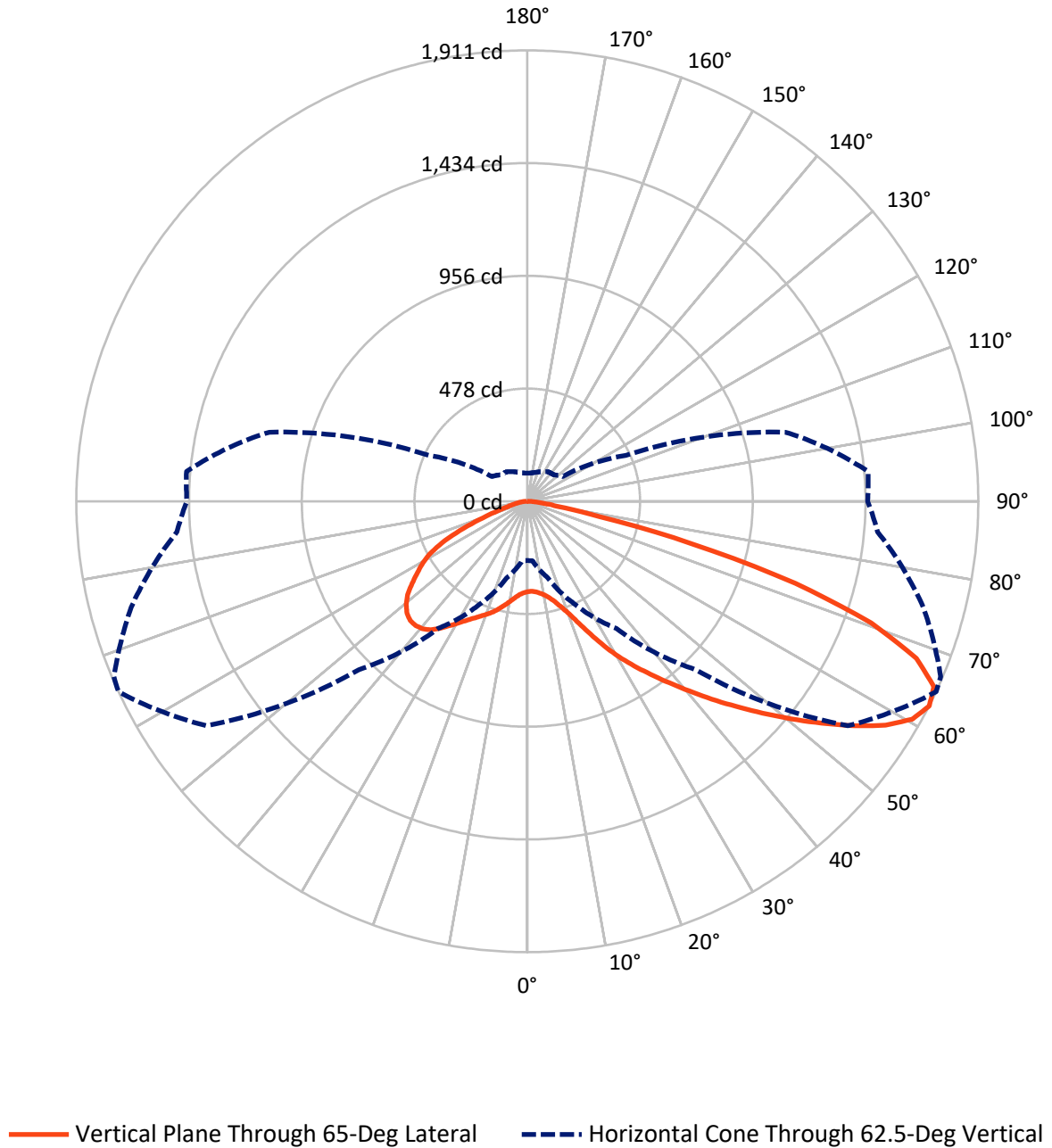
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1096.6	0.0	1096.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	2378.4	0.0	2378.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	3475.0	0.0	3475.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.2	1.1
10°-20°	129.5	3.7
20°-30°	262.5	7.6
30°-40°	454.3	13.1
40°-50°	687.4	19.8
50°-60°	806.0	23.2
60°-70°	675.7	19.4
70°-80°	373.0	10.7
80°-90°	48.5	1.4
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°	3475.0	100.0
0°-180°	3475.0	100.0



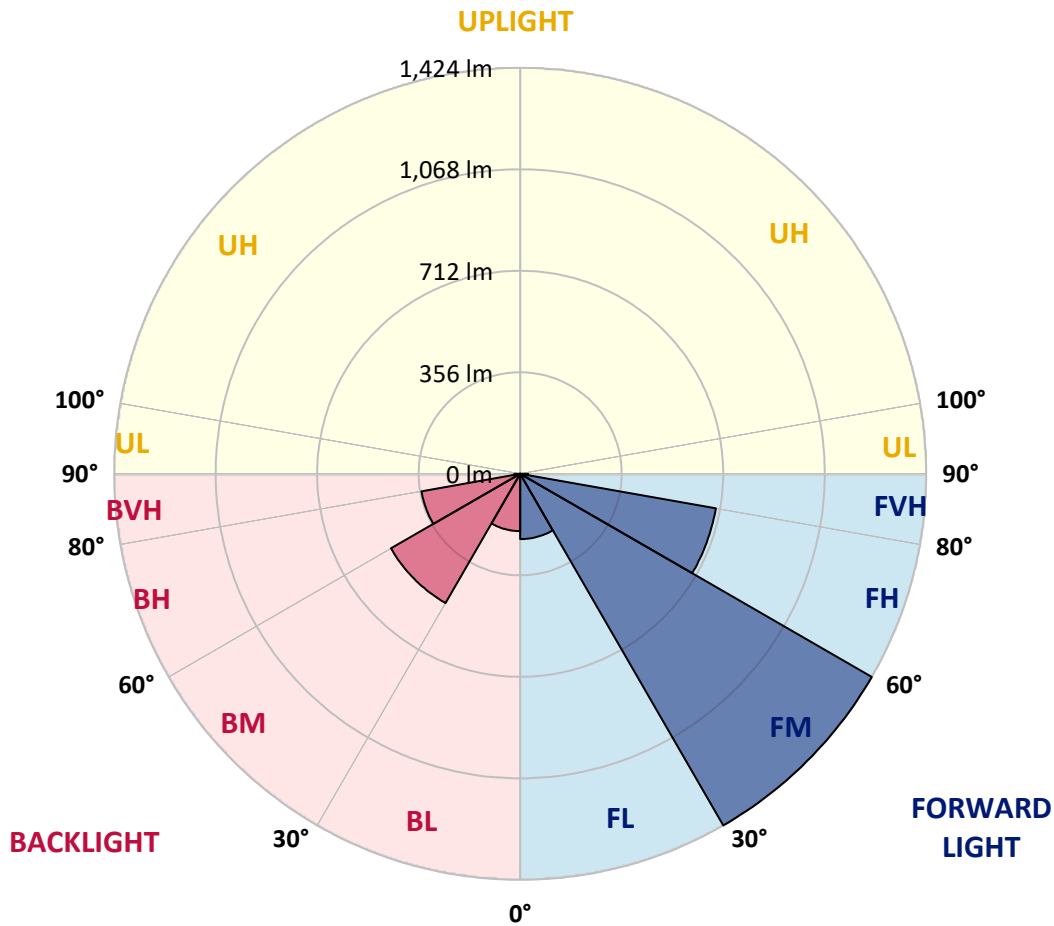
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.0	6.6			
FM (30°-60°)	1424.2	41.0			
FH (60°-80°)	697.0	20.1			G1/1800
FVH (80°-90°)	28.2	0.8			G1/100
BL (0°-30°)	201.1	5.8	B1/500		
BM (30°-60°)	523.5	15.1	B1/1000		
BH (60°-80°)	351.8	10.1	B1/500		G1/500
BVH (80°-90°)	20.2	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°
0°	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9
2.5°	380.4	379.3	380.2	380.2	380.6	380.4	381.7	382.0	382.6	383.7
5°	376.6	376.4	378.1	379.5	380.9	382.2	383.8	386.2	386.5	387.8
7.5°	375.4	374.3	376.8	378.6	382.0	385.1	389.4	393.4	395.0	395.6
10°	385.1	383.3	385.6	386.7	389.6	392.7	397.7	404.0	405.8	408.0
12.5°	401.7	399.7	403.1	404.7	407.4	410.2	413.6	419.7	420.6	424.6
15°	424.4	422.1	424.2	426.2	430.7	433.2	436.7	442.6	442.6	445.7
17.5°	455.2	452.2	453.8	454.5	457.4	461.2	466.9	472.2	474.9	473.8
20°	501.2	497.4	497.4	493.8	492.7	495.8	503.4	510.6	513.5	507.9
22.5°	570.2	564.8	561.8	549.5	544.6	545.0	552.6	561.4	563.8	553.8
25°	658.0	649.6	645.4	627.4	616.4	606.8	612.8	624.2	627.4	615.1
27.5°	745.8	746.4	742.4	720.8	702.6	685.1	682.0	693.9	697.4	683.5
30°	869.0	856.2	848.6	822.7	796.7	772.2	759.5	764.4	765.3	748.7
32.5°	975.2	971.9	955.7	933.0	899.6	861.2	840.1	832.4	830.9	807.3
35°	1096.1	1094.3	1077.2	1050.2	1014.1	960.8	922.7	900.5	898.7	865.6
37.5°	1219.1	1219.1	1202.3	1172.8	1135.4	1068.7	1010.9	975.7	969.9	926.7
40°	1317.2	1311.2	1314.3	1301.9	1259.1	1188.3	1108.8	1057.7	1050.0	998.1
42.5°	1372.9	1370.9	1389.3	1403.2	1385.7	1329.1	1216.6	1146.6	1135.8	1076.7
45°	1385.3	1383.2	1416.0	1466.8	1491.3	1468.1	1333.8	1240.2	1227.0	1158.9
47.5°	1356.7	1352.3	1400.5	1480.7	1559.3	1600.2	1460.7	1341.7	1322.6	1238.9
50°	1270.5	1266.3	1339.2	1445.7	1582.2	1690.0	1598.4	1449.3	1420.1	1324.8
52.5°	1083.2	1085.1	1199.3	1345.7	1552.1	1745.9	1717.1	1562.7	1527.6	1412.5
55°	843.7	848.1	988.3	1149.5	1431.7	1737.4	1798.0	1679.6	1644.6	1495.1
57.5°	604.1	623.3	754.7	914.2	1200.4	1603.1	1815.7	1790.6	1756.7	1585.3
60°	391.6	395.0	530.2	691.0	914.1	1364.4	1779.8	1874.8	1848.3	1677.2
62.5°	251.0	253.3	335.7	483.3	657.9	1009.4	1659.0	1911.4	1903.3	1738.0
65°	184.4	182.6	225.5	319.5	443.1	622.5	1424.4	1893.7	1909.8	1776.0
67.5°	154.0	151.4	172.5	221.2	326.5	353.5	1054.0	1778.9	1837.7	1771.7
70°	140.3	138.1	150.9	164.2	254.7	236.7	531.3	1546.5	1637.0	1722.5
72.5°	118.8	115.0	132.5	145.9	198.1	181.5	219.6	1187.9	1298.2	1564.7
75°	92.1	89.6	104.6	128.4	148.9	141.7	138.8	721.3	841.8	1210.1
77.5°	73.0	69.6	83.3	100.1	134.0	106.9	101.1	310.6	430.0	772.5
80°	55.0	51.9	63.3	79.1	102.9	80.6	65.4	126.7	162.1	391.4
82.5°	39.1	36.4	44.2	58.1	69.2	72.3	40.2	71.0	79.9	150.9
85°	25.1	23.4	29.6	36.4	44.0	46.5	24.5	37.1	40.7	62.2
87.5°	13.7	11.2	15.9	16.9	20.4	18.6	11.7	13.5	14.6	22.5
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°
382.9	0°	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9	382.9
383.7	2.5°	384.4	384.9	386.7	387.3	388.5	390.1	391.2	392.3	392.3	393.4
389.4	5°	389.6	390.9	394.6	396.6	399.9	403.1	405.1	407.4	408.9	409.6
398.6	7.5°	399.7	401.7	407.1	410.5	416.1	420.6	423.7	426.9	427.6	429.6
411.4	10°	413.4	415.7	421.9	428.4	435.0	440.6	443.5	445.9	446.8	447.1
427.8	12.5°	429.1	432.5	440.4	448.4	455.4	460.3	461.0	460.5	457.9	455.8
448.0	15°	448.4	451.4	460.3	468.9	475.8	476.7	472.2	469.3	466.2	465.7
470.5	17.5°	471.5	473.1	481.2	489.7	490.2	487.1	480.5	477.8	474.9	472.9
499.9	20°	498.3	497.8	503.5	507.1	503.4	494.0	483.9	479.4	476.5	474.2
536.0	22.5°	530.4	526.3	525.5	524.6	514.5	494.9	481.2	475.4	470.9	467.7
586.3	25°	577.1	561.2	550.2	544.1	521.4	490.0	472.5	459.7	451.3	445.7
647.8	27.5°	635.5	608.8	581.1	566.1	521.4	480.1	451.6	430.9	417.0	411.2
707.3	30°	691.2	663.3	622.4	592.6	520.1	463.9	417.9	389.1	372.8	367.1
758.1	32.5°	738.8	708.3	666.2	621.6	517.1	437.6	376.1	344.2	328.5	321.6
808.4	35°	783.0	750.5	710.2	653.5	509.0	399.0	330.1	305.8	288.3	277.3
859.6	37.5°	828.2	789.7	751.8	682.4	494.3	353.9	294.8	274.0	253.5	238.7
914.1	40°	877.5	831.3	796.3	699.5	470.4	311.0	267.4	248.4	226.6	210.9
976.8	42.5°	935.0	881.2	845.9	708.3	437.6	280.5	249.5	230.9	210.4	197.6
1044.0	45°	995.0	936.2	891.2	708.2	401.0	266.3	243.7	225.4	202.6	189.3
1113.1	47.5°	1057.9	993.7	930.3	696.6	369.2	268.3	240.5	213.3	188.2	175.2
1182.9	50°	1121.0	1056.7	968.1	675.0	355.7	263.9	228.4	196.3	166.8	155.0
1248.3	52.5°	1183.6	1123.5	1000.8	644.2	342.0	247.9	212.9	174.3	157.9	149.8
1315.9	55°	1246.5	1189.7	1036.3	599.3	307.8	229.1	187.0	166.0	150.9	143.5
1382.1	57.5°	1309.6	1266.2	1070.0	554.4	264.7	206.1	172.7	155.9	143.9	137.6
1437.4	60°	1375.2	1353.6	1104.8	513.1	222.1	176.5	162.3	147.8	135.6	128.5
1490.6	62.5°	1442.8	1449.9	1132.0	459.9	183.0	158.5	152.9	138.1	126.2	119.5
1534.6	65°	1511.0	1542.7	1149.9	386.2	148.4	141.3	142.8	127.5	115.4	109.6
1566.9	67.5°	1562.4	1609.6	1144.8	292.2	121.7	125.1	130.2	116.3	104.9	100.4
1561.6	70°	1568.1	1601.7	1095.1	200.1	101.9	109.3	116.1	105.3	93.6	90.3
1488.1	72.5°	1491.3	1493.5	956.4	130.7	86.2	95.9	101.3	94.1	82.8	79.5
1301.9	75°	1290.0	1235.1	702.2	86.2	72.1	82.4	87.4	82.4	71.4	72.1
974.1	77.5°	977.3	874.8	426.4	61.3	60.2	69.2	76.1	72.5	63.1	70.9
489.8	80°	503.5	473.3	190.2	45.8	47.6	55.3	62.6	57.9	49.9	47.6
109.4	82.5°	115.4	134.1	75.0	32.8	34.4	39.8	47.8	43.4	35.9	30.3
45.6	85°	40.4	44.2	33.2	20.6	20.2	24.9	32.5	29.0	24.3	19.5
19.3	87.5°	12.8	16.8	12.4	8.3	8.7	11.2	15.0	13.7	11.4	7.4
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>
382.9
393.4
410.0
428.9
446.2
455.8
465.7
473.1
474.3
468.7
447.8
414.1
370.5
325.1
280.9
242.7
214.0
200.1
191.5
177.0
155.8
149.8
142.8
136.5
128.0
119.4
109.4
100.6
90.5
79.3
69.6
62.4
43.4
29.9
20.6
7.8
0.0

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