

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: P940397

Luminaire Tested: **GALN-SB3B-940-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940397
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-SB3B-940-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12251 lumens
Efficiency: N/A
Efficacy: 112.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

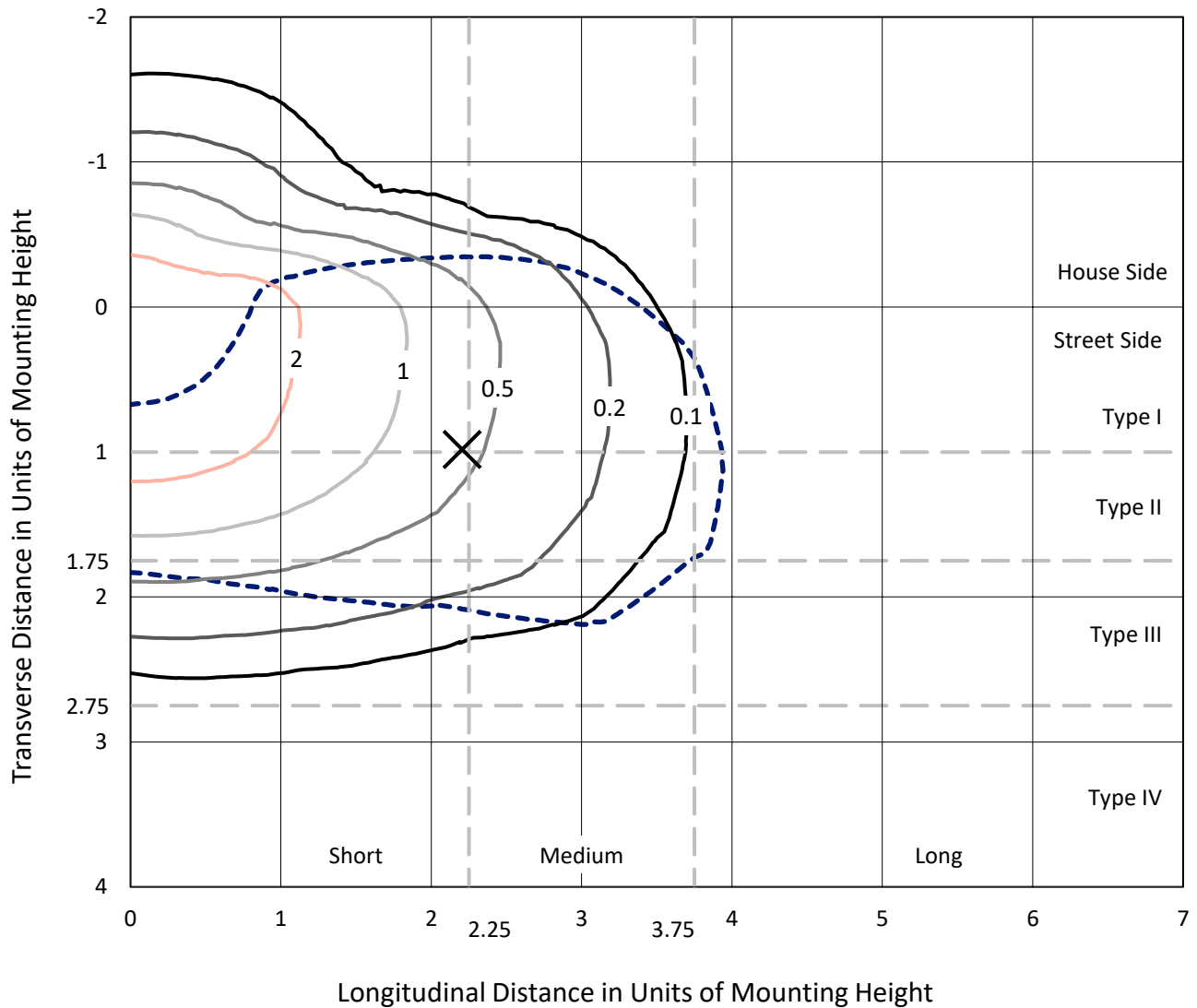
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

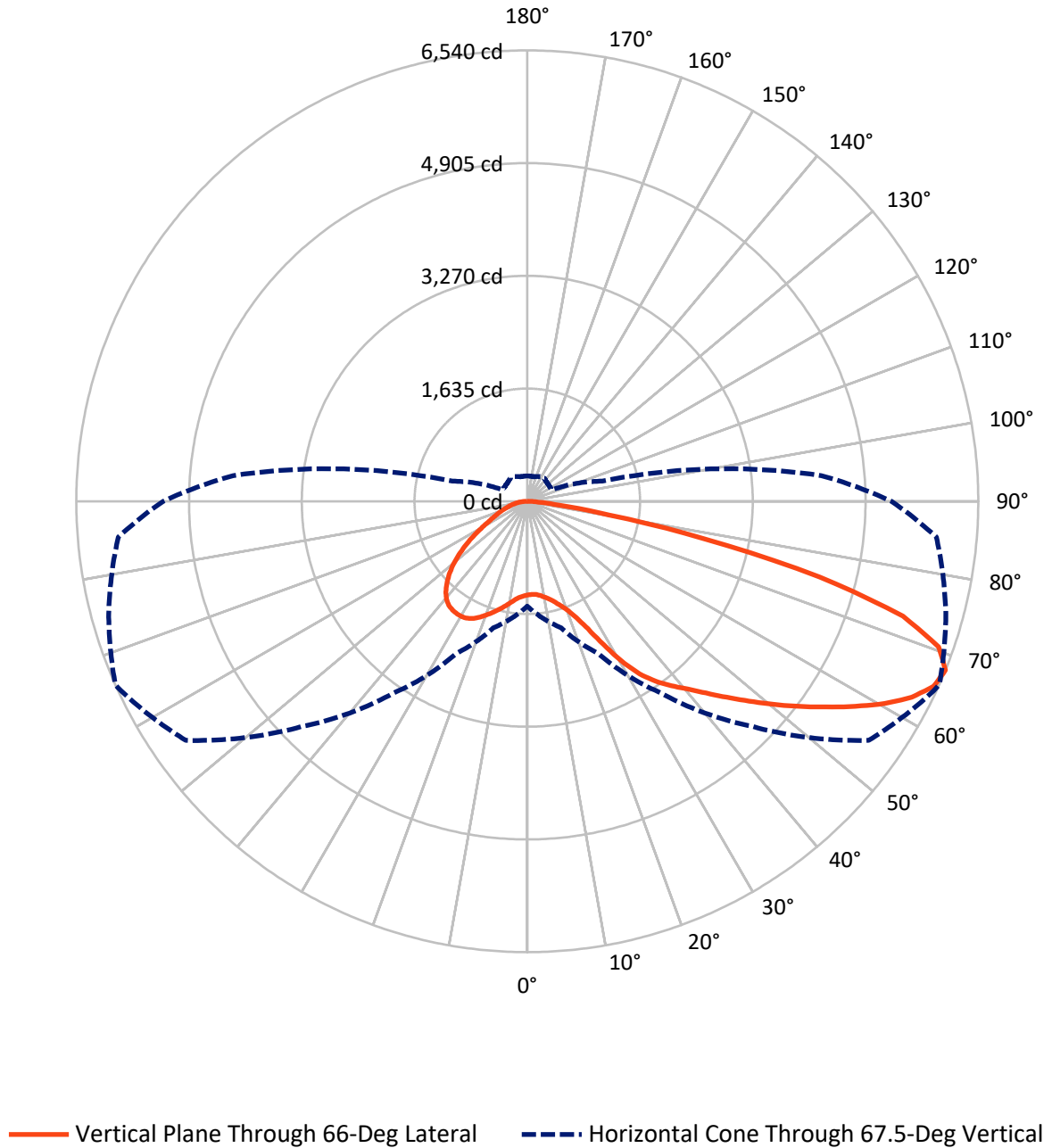
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3046.2	0.0	3046.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	9204.8	0.0	9204.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	12251.0	0.0	12251.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	1.1
10°-20°	445.1	3.6
20°-30°	857.9	7.0
30°-40°	1504.2	12.3
40°-50°	2236.3	18.3
50°-60°	2834.7	23.1
60°-70°	2773.7	22.6
70°-80°	1323.1	10.8
80°-90°	141.4	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°	12251.0	100.0
0°-180°	12251.0	100.0

Coefficient of Utilization



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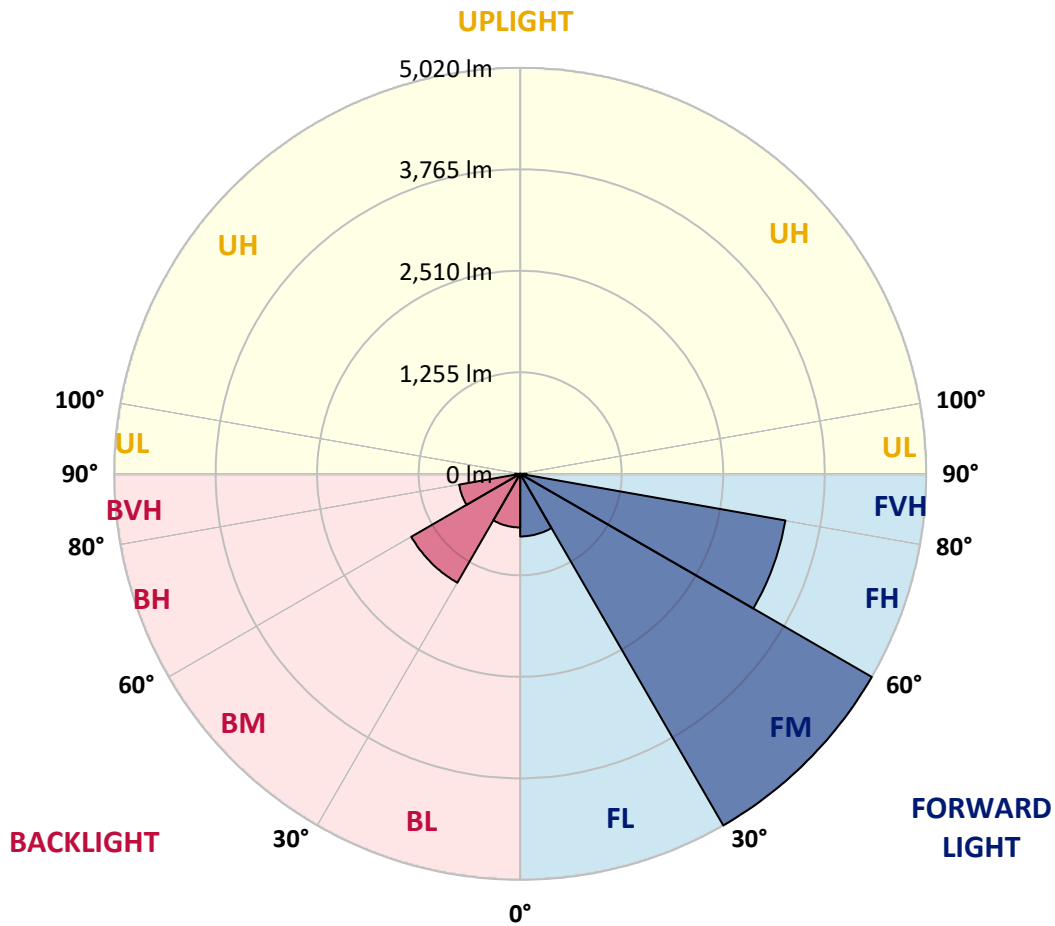
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	774.1	6.3			
FM (30°-60°)	5020.4	41.0			
FH (60°-80°)	3330.2	27.2			G2/5000
FVH (80°-90°)	80.2	0.7			G1/100
BL (0°-30°)	663.6	5.4	B2/1000		
BM (30°-60°)	1554.8	12.7	B2/2500		
BH (60°-80°)	766.6	6.3	B2/1000		G2/1000
BVH (80°-90°)	61.2	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8
2.5°	1344.6	1352.4	1350.4	1347.2	1346.6	1347.9	1349.8	1351.7	1351.1	1354.3
5°	1340.8	1348.5	1347.9	1347.9	1350.4	1355.6	1358.8	1362.0	1358.8	1362.7
7.5°	1343.3	1349.1	1351.7	1354.3	1360.7	1370.4	1378.1	1385.2	1381.3	1385.8
10°	1376.2	1380.7	1383.3	1383.3	1387.8	1398.7	1406.4	1419.3	1416.1	1423.2
12.5°	1436.0	1440.5	1440.5	1438.0	1441.2	1448.3	1450.8	1465.0	1459.2	1470.8
15°	1509.4	1518.4	1511.3	1506.8	1508.1	1515.2	1514.6	1525.5	1519.7	1529.4
17.5°	1590.5	1602.1	1590.5	1589.9	1587.3	1595.0	1595.7	1605.3	1595.0	1602.1
20°	1686.4	1702.5	1692.9	1696.1	1690.3	1693.5	1696.7	1710.9	1694.8	1699.9
22.5°	1821.6	1840.9	1830.6	1842.8	1839.0	1836.4	1835.8	1860.9	1835.8	1837.7
25°	2018.6	2041.7	2023.7	2040.4	2040.4	2048.8	2058.5	2090.7	2048.8	2036.6
27.5°	2309.5	2332.7	2297.3	2307.6	2304.4	2325.0	2314.7	2394.5	2349.4	2329.5
30°	2659.7	2700.9	2633.9	2631.3	2628.1	2661.0	2675.8	2728.5	2682.8	2662.9
32.5°	3038.1	3081.3	3001.5	2978.3	2966.1	2986.0	2973.8	3016.3	2984.7	2953.8
35°	3438.5	3481.0	3405.0	3360.0	3311.1	3269.2	3225.5	3236.4	3206.8	3159.8
37.5°	3817.0	3894.9	3814.4	3766.1	3676.0	3594.3	3472.0	3421.1	3393.5	3350.3
40°	4202.6	4247.0	4185.8	4144.6	4046.8	3918.7	3723.0	3615.5	3578.2	3536.4
42.5°	4486.4	4528.9	4496.1	4467.7	4391.2	4242.5	3989.5	3855.0	3800.9	3753.9
45°	4711.7	4743.2	4722.6	4732.9	4700.1	4555.9	4265.6	4111.8	4055.8	3998.5
47.5°	4802.5	4835.9	4868.8	4929.9	4985.9	4879.7	4562.4	4389.9	4330.6	4272.1
50°	4792.2	4826.3	4921.5	5051.6	5225.4	5190.0	4875.2	4686.0	4631.2	4564.3
52.5°	4709.8	4748.4	4870.7	5087.0	5363.7	5422.3	5193.8	4991.7	4940.2	4860.4
55°	4493.5	4516.7	4700.1	5006.5	5396.6	5584.5	5506.0	5317.4	5265.9	5154.5
57.5°	4092.5	4126.0	4393.1	4789.6	5314.2	5694.6	5780.2	5659.8	5610.3	5450.0
60°	3569.2	3622.6	3928.3	4425.3	5104.3	5693.9	6029.3	5996.5	5955.3	5740.9
62.5°	2977.0	3038.8	3332.9	3910.3	4737.4	5532.4	6185.1	6278.4	6257.2	6009.3
65°	2286.3	2328.8	2621.7	3244.1	4166.5	5185.4	6203.1	6470.9	6474.7	6213.4
67.5°	1522.3	1644.6	1898.8	2434.4	3401.8	4618.4	6044.8	6502.4	6539.7	6283.6
70°	742.8	903.7	1152.8	1582.2	2434.4	3748.8	5630.9	6243.6	6326.7	6078.9
72.5°	308.3	360.5	496.3	780.8	1397.4	2529.6	4799.2	5542.0	5695.9	5386.3
75°	207.9	225.3	283.9	400.4	636.6	1247.4	3461.0	4132.4	4380.2	4068.0
77.5°	160.3	171.2	206.6	280.0	378.5	471.8	1852.5	2490.4	2618.5	2424.1
80°	126.2	134.5	154.5	204.0	268.4	252.3	631.4	1128.4	1202.4	1008.6
82.5°	109.4	112.6	110.7	138.4	178.3	147.4	207.3	416.5	459.6	333.4
85°	79.2	88.2	92.0	85.6	94.6	74.7	85.0	147.4	162.2	144.8
87.5°	32.2	47.6	58.6	55.4	34.8	21.2	26.4	43.1	49.6	54.1
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°
1358.8	0°	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8	1358.8
1359.4	2.5°	1360.1	1364.6	1367.8	1371.7	1374.2	1378.1	1385.8	1390.3	1391.0	1394.2
1369.7	5°	1372.3	1378.8	1385.8	1396.1	1407.7	1417.4	1432.2	1442.5	1446.3	1449.6
1394.8	7.5°	1398.7	1407.7	1420.6	1438.6	1455.3	1468.2	1486.2	1498.5	1510.7	1515.2
1434.8	10°	1438.0	1450.8	1469.5	1494.0	1512.0	1528.7	1547.4	1557.7	1569.9	1575.1
1482.4	12.5°	1486.9	1500.4	1524.9	1559.0	1575.7	1587.3	1593.7	1591.2	1593.7	1598.2
1539.7	15°	1542.9	1557.7	1585.4	1622.1	1633.6	1623.3	1609.2	1596.3	1594.4	1595.7
1609.2	17.5°	1609.2	1620.1	1652.3	1683.2	1674.8	1632.4	1601.5	1580.9	1570.6	1567.3
1698.0	20°	1701.9	1701.9	1728.3	1747.6	1691.6	1619.5	1571.2	1537.7	1516.5	1507.5
1819.0	22.5°	1814.5	1804.2	1821.0	1807.4	1688.4	1583.4	1516.5	1458.6	1426.4	1413.5
1988.3	25°	1957.4	1945.2	1940.7	1857.0	1665.2	1526.2	1417.4	1347.2	1318.9	1311.8
2232.3	27.5°	2173.0	2142.2	2083.6	1884.0	1622.7	1436.0	1301.5	1236.5	1220.4	1221.1
2545.7	30°	2460.1	2398.3	2254.8	1888.5	1553.2	1308.6	1183.1	1136.7	1129.0	1132.2
2809.0	32.5°	2726.0	2667.4	2429.9	1867.9	1446.3	1183.7	1076.9	1046.0	1034.4	1038.2
3009.8	35°	2934.5	2918.4	2592.1	1839.0	1315.0	1066.6	981.6	955.2	932.7	927.5
3199.1	37.5°	3131.5	3125.0	2713.7	1798.4	1185.0	983.5	905.0	870.2	837.4	819.4
3408.3	40°	3347.8	3341.3	2793.5	1736.0	1069.8	911.4	836.1	790.4	749.9	717.1
3645.1	42.5°	3591.1	3553.1	2831.5	1646.5	971.9	850.3	780.1	718.3	664.9	634.7
3912.9	45°	3856.9	3771.3	2830.9	1532.6	889.6	794.3	720.3	632.7	583.2	554.8
4187.7	47.5°	4138.8	3979.8	2796.1	1406.4	809.7	732.5	627.6	560.6	527.8	510.4
4486.4	50°	4429.8	4174.9	2736.9	1261.6	728.0	662.3	569.7	524.0	498.8	482.8
4782.5	52.5°	4703.3	4351.9	2665.5	1097.5	645.0	594.1	543.9	508.5	482.1	464.1
5069.6	55°	4957.6	4504.4	2564.4	929.5	577.4	548.4	531.7	502.1	471.8	450.6
5361.2	57.5°	5183.5	4603.6	2390.0	771.8	529.1	516.9	518.8	491.1	456.4	438.3
5648.2	60°	5371.5	4676.3	2131.9	625.7	489.8	486.0	498.8	470.5	430.0	409.4
5890.9	62.5°	5484.1	4675.0	1815.2	512.4	456.4	457.7	472.5	444.8	403.6	384.3
6017.7	65°	5474.5	4560.4	1467.6	438.3	424.2	425.5	444.8	416.5	381.7	370.1
5954.0	67.5°	5280.7	4281.1	1125.8	390.1	388.8	394.6	417.1	397.1	368.2	366.9
5574.2	70°	4756.1	3701.1	811.0	351.4	352.1	360.5	390.1	384.9	361.1	363.7
4686.6	72.5°	3813.8	2821.9	544.5	310.9	311.5	325.1	364.3	375.3	354.0	388.1
3325.2	75°	2539.9	1759.8	350.2	267.8	268.4	285.8	341.8	356.6	334.7	386.8
1730.2	77.5°	1220.4	791.1	253.6	225.3	225.3	241.4	295.4	319.3	285.1	300.6
556.1	80°	421.6	297.4	199.5	181.5	177.7	188.6	249.1	276.8	245.9	226.6
181.5	82.5°	166.1	154.5	160.3	141.0	128.1	135.2	193.7	228.5	180.9	163.5
102.3	85°	95.3	100.4	113.3	93.3	74.0	83.0	142.3	164.1	136.5	120.4
33.5	87.5°	25.7	35.4	52.1	48.3	33.5	35.4	67.6	90.8	78.5	60.5
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>
1358.8
1393.6
1448.9
1515.9
1577.6
1599.5
1600.2
1571.9
1505.6
1411.6
1313.1
1223.0
1143.2
1043.4
931.4
820.0
720.3
636.6
553.6
506.6
477.0
456.4
442.2
426.8
400.4
378.5
369.5
368.8
363.0
393.3
390.1
275.5
212.4
162.8
122.9
62.4
0.0

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