

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: P940538

Luminaire Tested: **GALN-SB3C-927-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-927-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10356 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

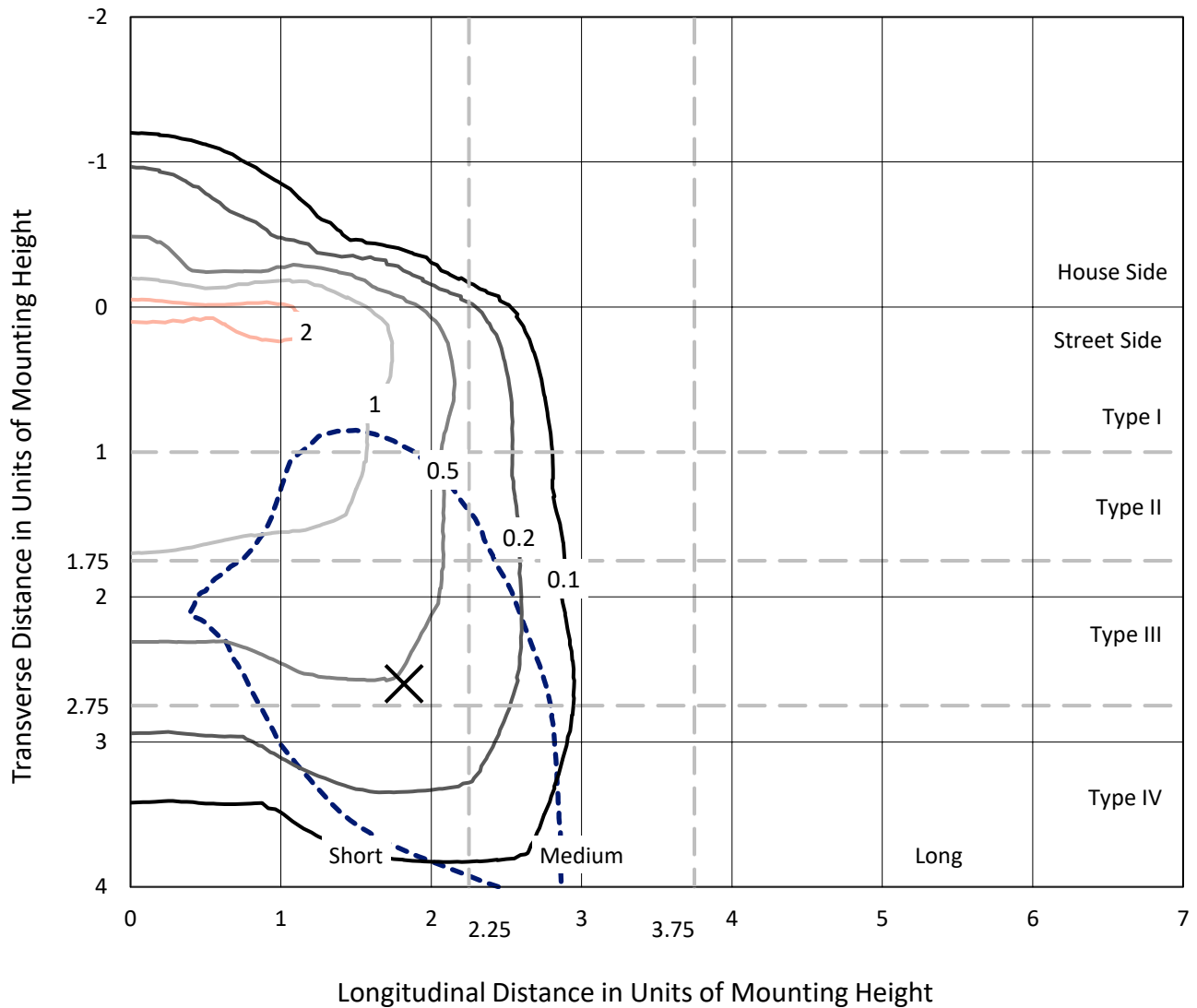
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

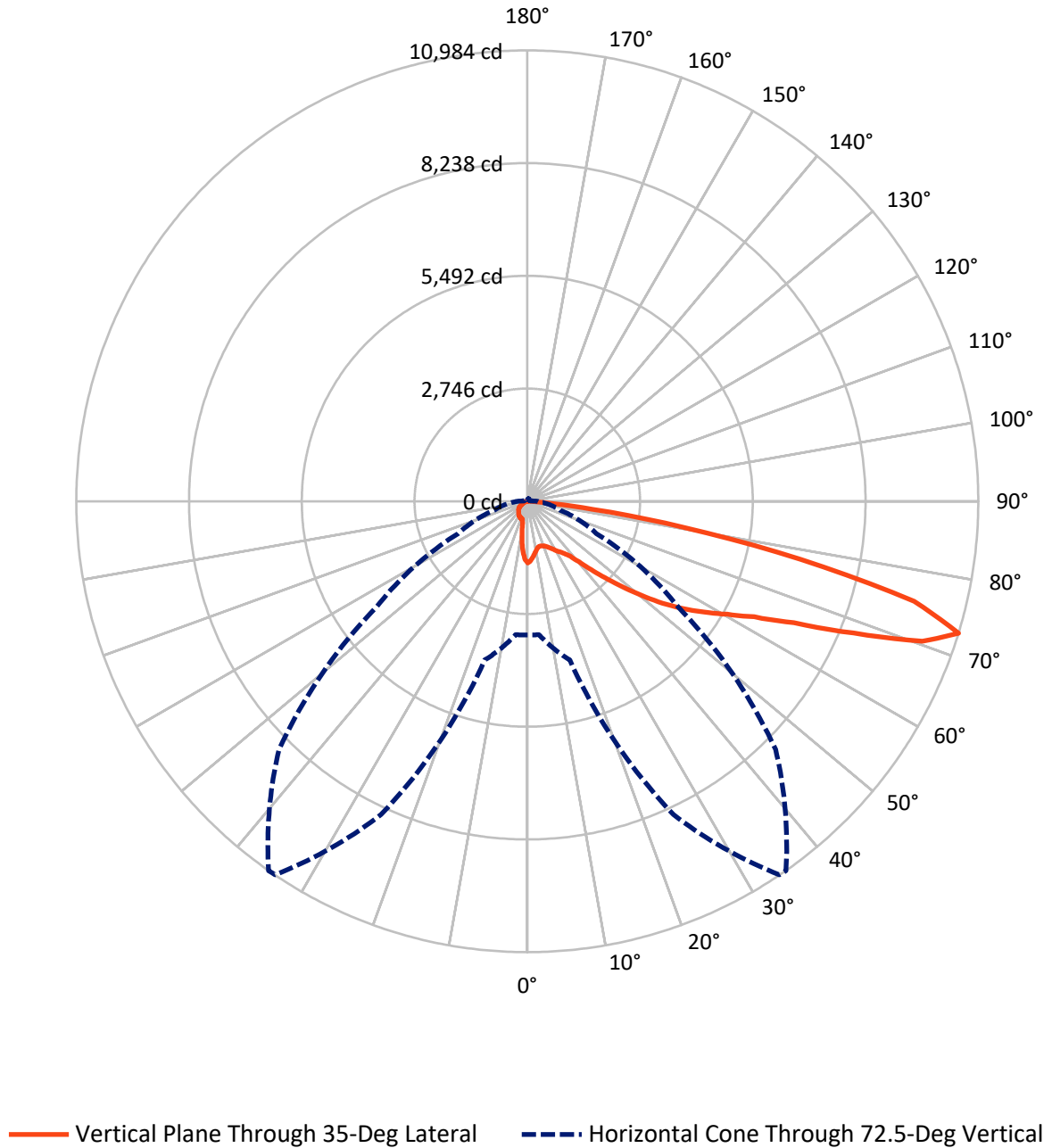
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1165.5	0.0	1165.5
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	9190.5	0.0	9190.5
	% Fixture	88.7	0.0	88.7
Total	Lumens	10356.0	0.0	10356.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	1.2
10°-20°	288.5	2.8
20°-30°	468.7	4.5
30°-40°	782.0	7.6
40°-50°	1479.6	14.3
50°-60°	2351.1	22.7
60°-70°	2908.5	28.1
70°-80°	1808.0	17.5
80°-90°	146.1	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°	10356.0	100.0
0°-180°	10356.0	100.0

Coefficient of Utilization



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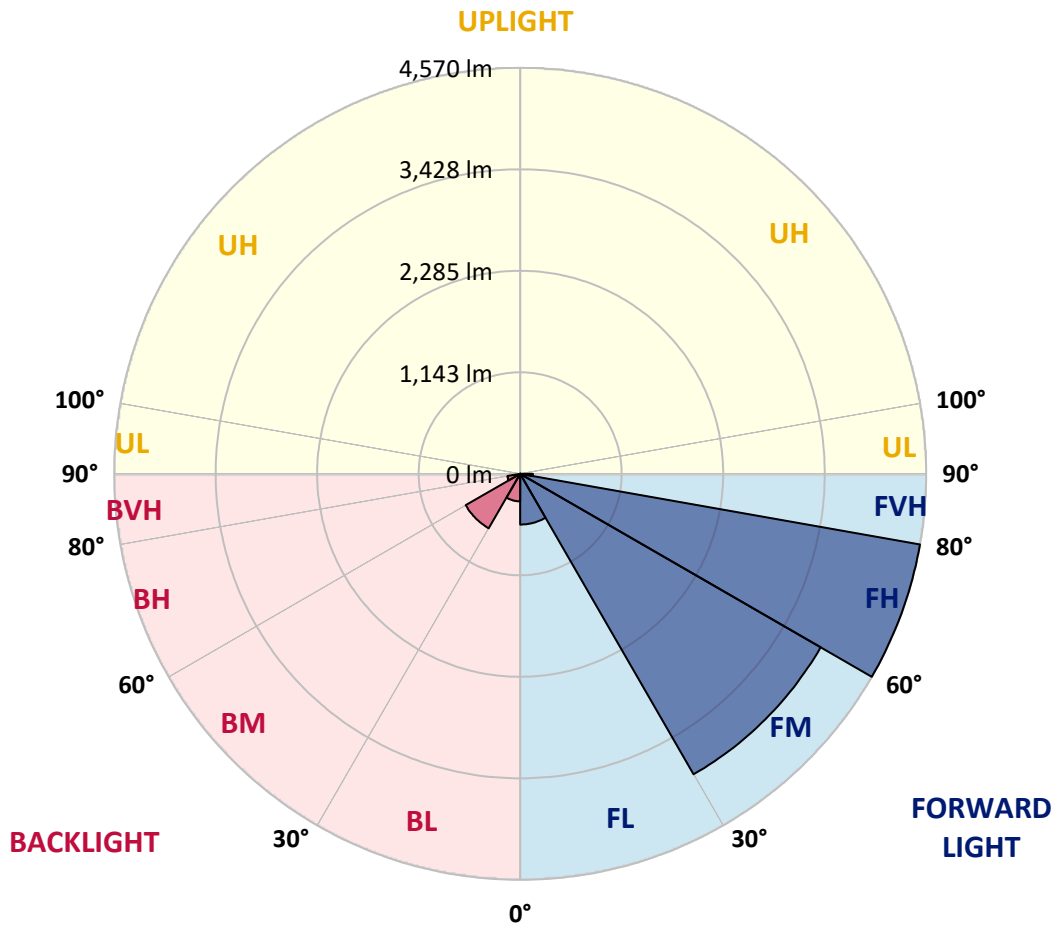
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	570.9	5.5			
FM (30°-60°)	3905.2	37.7			
FH (60°-80°)	4570.2	44.1			G2/5000
FVH (80°-90°)	144.1	1.4			G2/225
BL (0°-30°)	309.7	3.0	B1/500		
BM (30°-60°)	707.6	6.8	B1/1000		
BH (60°-80°)	146.3	1.4	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9
2.5°	1434.2	1446.3	1448.6	1452.4	1452.4	1456.9	1464.5	1475.1	1492.6	1501.7
5°	1321.9	1331.0	1342.3	1351.4	1368.9	1371.2	1400.8	1429.6	1469.8	1500.2
7.5°	1208.8	1219.4	1234.6	1256.6	1279.4	1286.2	1331.0	1379.5	1443.3	1500.2
10°	1129.1	1129.9	1143.5	1165.5	1202.0	1210.3	1264.9	1334.0	1413.7	1491.1
12.5°	1084.3	1089.7	1095.7	1112.4	1147.3	1152.6	1211.1	1292.3	1384.1	1485.8
15°	1084.3	1088.1	1091.9	1100.3	1128.4	1132.9	1184.5	1265.7	1368.9	1488.0
17.5°	1095.7	1101.8	1098.8	1108.6	1138.2	1141.3	1186.8	1258.1	1368.1	1502.4
20°	1123.0	1127.6	1121.5	1127.6	1157.2	1163.3	1210.3	1272.5	1381.0	1527.5
22.5°	1166.3	1168.6	1154.2	1158.7	1189.1	1196.6	1251.3	1313.5	1412.2	1567.7
25°	1220.9	1225.5	1203.5	1208.8	1237.6	1246.7	1309.7	1375.0	1461.5	1623.1
27.5°	1283.9	1286.2	1267.2	1266.5	1303.6	1316.5	1380.3	1450.8	1527.5	1692.9
30°	1356.0	1362.8	1344.6	1341.6	1388.6	1399.3	1462.2	1544.2	1624.6	1797.6
32.5°	1412.9	1418.2	1407.6	1415.2	1463.0	1471.3	1561.6	1676.2	1777.1	1946.4
35°	1494.9	1497.9	1473.6	1487.3	1541.9	1563.2	1697.5	1861.4	1969.1	2133.0
37.5°	1791.6	1791.6	1688.4	1620.8	1673.2	1692.2	1883.4	2094.3	2205.9	2383.4
40°	2202.1	2195.2	2044.2	1906.1	1899.3	1936.5	2148.2	2388.0	2511.7	2683.9
42.5°	2639.9	2629.3	2423.6	2287.1	2264.3	2277.2	2454.0	2749.9	2875.9	3050.4
45°	3028.4	3025.4	2837.2	2653.6	2612.6	2653.6	2835.7	3173.4	3263.7	3447.3
47.5°	3354.0	3354.0	3216.6	3096.7	3075.5	3099.8	3352.4	3643.1	3634.7	3869.9
50°	3728.8	3725.8	3595.3	3543.7	3565.7	3599.8	3947.3	4137.8	4018.7	4285.0
52.5°	3991.4	4009.6	3964.8	3956.4	4068.8	4127.9	4551.4	4621.9	4362.4	4678.8
55°	4199.3	4220.5	4272.1	4330.5	4546.8	4624.2	5136.4	5081.0	4650.0	5020.3
57.5°	4493.7	4463.3	4543.0	4658.4	5008.2	5101.5	5703.2	5514.3	4881.4	5297.3
60°	4851.1	4855.6	4869.3	5015.0	5468.8	5588.7	6261.7	5924.1	5030.2	5467.2
62.5°	5280.6	5287.4	5315.5	5539.3	6087.2	6200.3	6856.6	6259.4	5098.5	5419.4
65°	5251.0	5279.8	5593.2	6358.9	7027.4	7138.9	7550.9	6494.7	4995.3	4982.4
67.5°	4783.6	4830.6	5354.9	7337.7	8444.8	8569.3	8390.2	6541.0	4549.8	3874.5
70°	4170.4	4187.1	4817.7	8217.9	10086.1	10212.1	9141.4	6031.8	3452.6	2161.1
72.5°	3256.8	3260.6	4000.5	8422.1	10977.0	10983.8	8551.8	4477.8	1856.8	830.1
75°	2326.5	2303.8	2679.4	6830.1	9657.4	9734.8	6411.2	2100.4	709.5	392.3
77.5°	1247.5	1272.5	1516.1	4050.5	6671.5	6803.5	3498.1	605.5	361.2	267.1
80°	385.5	406.7	621.5	1854.5	3778.9	3858.6	1296.8	269.4	251.9	190.5
82.5°	121.4	126.0	289.9	779.3	1568.5	1604.9	375.6	152.5	172.3	126.0
85°	34.9	35.7	129.0	290.6	387.8	395.3	105.5	59.2	98.6	78.2
87.5°	3.8	12.1	48.6	48.6	34.1	33.4	11.4	12.9	28.1	9.9
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°
1500.9	0°	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9	1500.9
1507.8	2.5°	1504.0	1504.7	1494.9	1478.2	1460.0	1444.8	1425.8	1410.6	1400.0	1397.0
1521.4	5°	1514.6	1509.3	1481.2	1430.4	1369.7	1317.3	1258.9	1212.6	1182.2	1169.3
1535.8	7.5°	1530.5	1515.3	1453.9	1353.7	1237.6	1134.4	1029.7	948.5	896.9	871.1
1549.5	10°	1544.2	1513.8	1408.4	1242.9	1065.4	909.1	767.9	670.0	615.4	589.6
1565.4	12.5°	1557.1	1513.1	1349.2	1111.7	871.1	679.9	548.6	500.1	484.9	479.6
1591.2	15°	1581.4	1515.3	1274.8	961.4	677.6	513.7	465.9	465.2	468.2	466.7
1630.7	17.5°	1614.8	1517.6	1190.6	802.1	522.8	453.0	450.7	457.6	462.1	459.8
1680.0	20°	1658.0	1526.7	1101.0	644.2	449.2	437.8	443.1	449.2	453.0	449.2
1746.0	22.5°	1718.7	1542.7	1003.2	517.5	425.7	428.7	433.3	440.1	443.9	438.6
1830.3	25°	1793.1	1567.7	906.8	450.0	414.3	418.1	424.9	432.5	437.1	431.8
1936.5	27.5°	1889.4	1607.9	818.0	434.8	402.9	405.2	415.1	426.5	432.5	425.7
2087.5	30°	2029.1	1673.9	741.4	441.6	396.1	390.8	404.4	420.4	427.2	421.1
2293.1	32.5°	2214.2	1767.3	694.3	452.3	393.1	374.1	387.0	407.5	418.9	415.1
2561.8	35°	2457.0	1909.2	676.1	464.4	390.8	356.6	365.7	387.8	407.5	411.3
2900.2	37.5°	2751.5	2106.5	681.4	469.7	384.0	342.2	346.8	365.7	391.5	403.7
3281.1	40°	3086.1	2336.4	711.8	464.4	376.4	330.1	330.8	345.3	368.0	386.2
3690.9	42.5°	3431.4	2605.0	767.9	444.7	369.5	319.5	317.2	327.0	342.2	355.1
4099.9	45°	3759.9	2881.2	823.3	417.3	361.2	308.8	303.5	307.3	310.4	315.7
4498.2	47.5°	4046.7	3075.5	807.4	392.3	349.8	296.7	287.6	286.1	277.0	276.2
4854.1	50°	4244.8	3118.0	717.1	367.3	333.1	283.0	268.6	259.5	243.6	236.0
5120.5	52.5°	4307.8	2950.3	585.8	342.2	305.8	264.8	244.3	229.9	210.2	203.4
5273.7	55°	4224.3	2621.7	468.2	311.9	267.9	240.5	217.8	198.8	182.9	174.5
5290.4	57.5°	4020.2	2203.6	370.3	276.2	227.6	213.2	190.5	171.5	157.8	149.5
5105.3	60°	3681.8	1749.8	292.9	233.7	194.3	183.6	160.1	148.0	135.8	126.0
4627.2	62.5°	3168.0	1249.0	229.9	185.2	162.4	150.2	136.6	127.5	113.1	99.4
3767.5	65°	2472.2	764.1	177.6	135.8	130.5	124.4	116.1	107.8	90.3	76.6
2457.8	67.5°	1559.4	362.0	126.7	102.4	103.2	100.2	96.4	89.5	76.6	64.5
1101.0	70°	686.7	175.3	83.5	78.2	76.6	76.6	79.7	77.4	65.3	53.9
382.4	72.5°	233.7	94.1	62.2	59.2	55.4	54.6	66.8	64.5	52.4	41.7
190.5	75°	122.2	63.0	45.5	42.5	33.4	40.2	53.1	50.1	37.2	27.3
126.0	77.5°	79.7	44.8	31.1	27.3	19.0	26.6	39.5	34.9	22.0	13.7
82.7	80°	50.1	29.6	18.2	12.9	9.1	14.4	21.2	15.2	8.3	3.0
48.6	82.5°	26.6	15.2	6.8	4.6	3.8	4.6	5.3	3.8	1.5	0.0
25.0	85°	10.6	5.3	2.3	1.5	0.8	0.0	1.5	0.8	0.0	0.0
4.6	87.5°	3.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

<u>180°</u>
1500.9
1402.3
1173.9
874.9
590.4
478.1
465.9
459.1
448.5
437.8
431.0
425.7
420.4
415.1
411.3
406.7
392.3
360.4
318.7
275.4
236.7
202.6
174.5
148.0
123.7
97.1
74.4
63.0
51.6
39.5
25.0
12.1
2.3
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