

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: P948755

Luminaire Tested: **GALN-SB3C-950-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-950-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12041 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

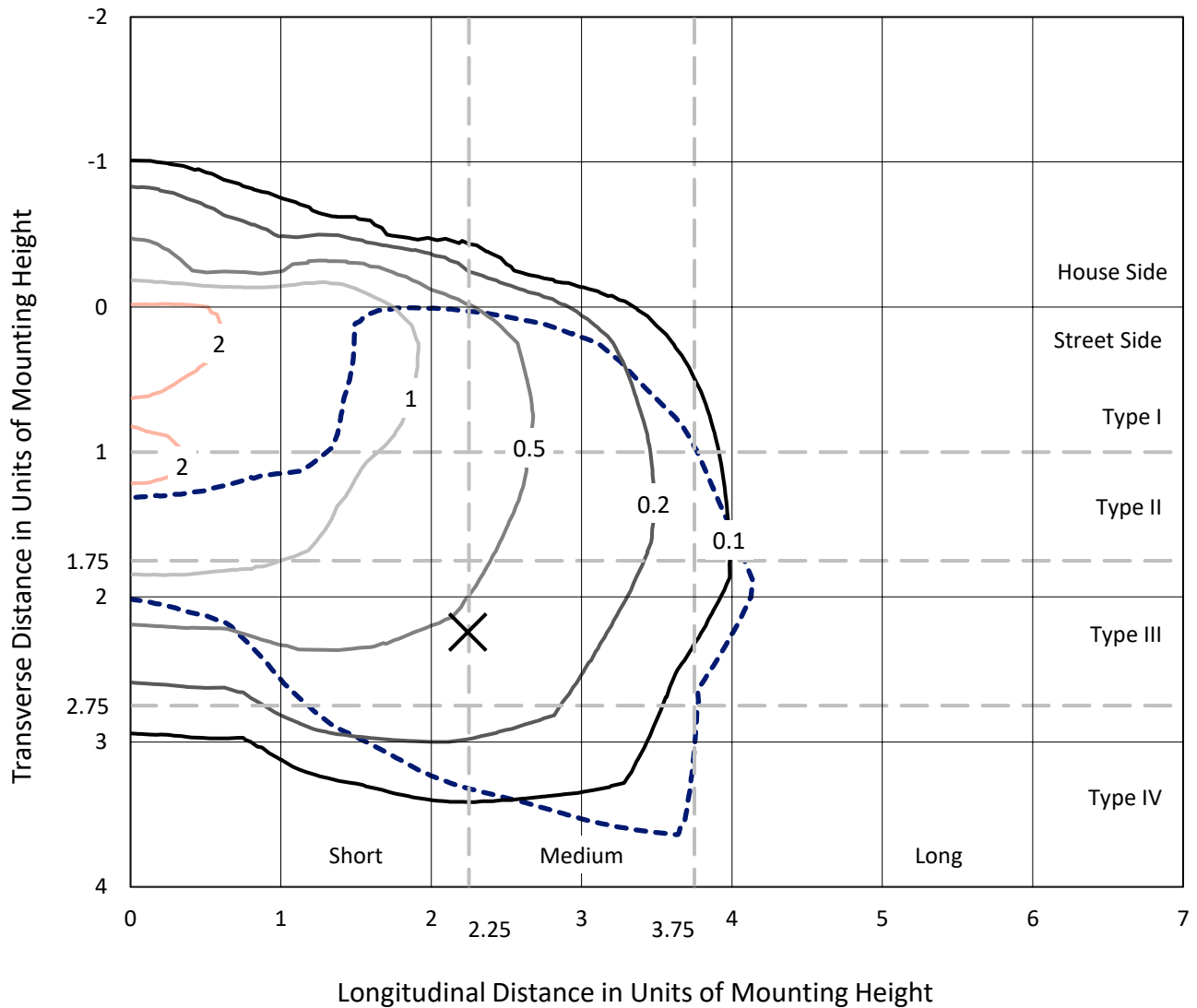
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

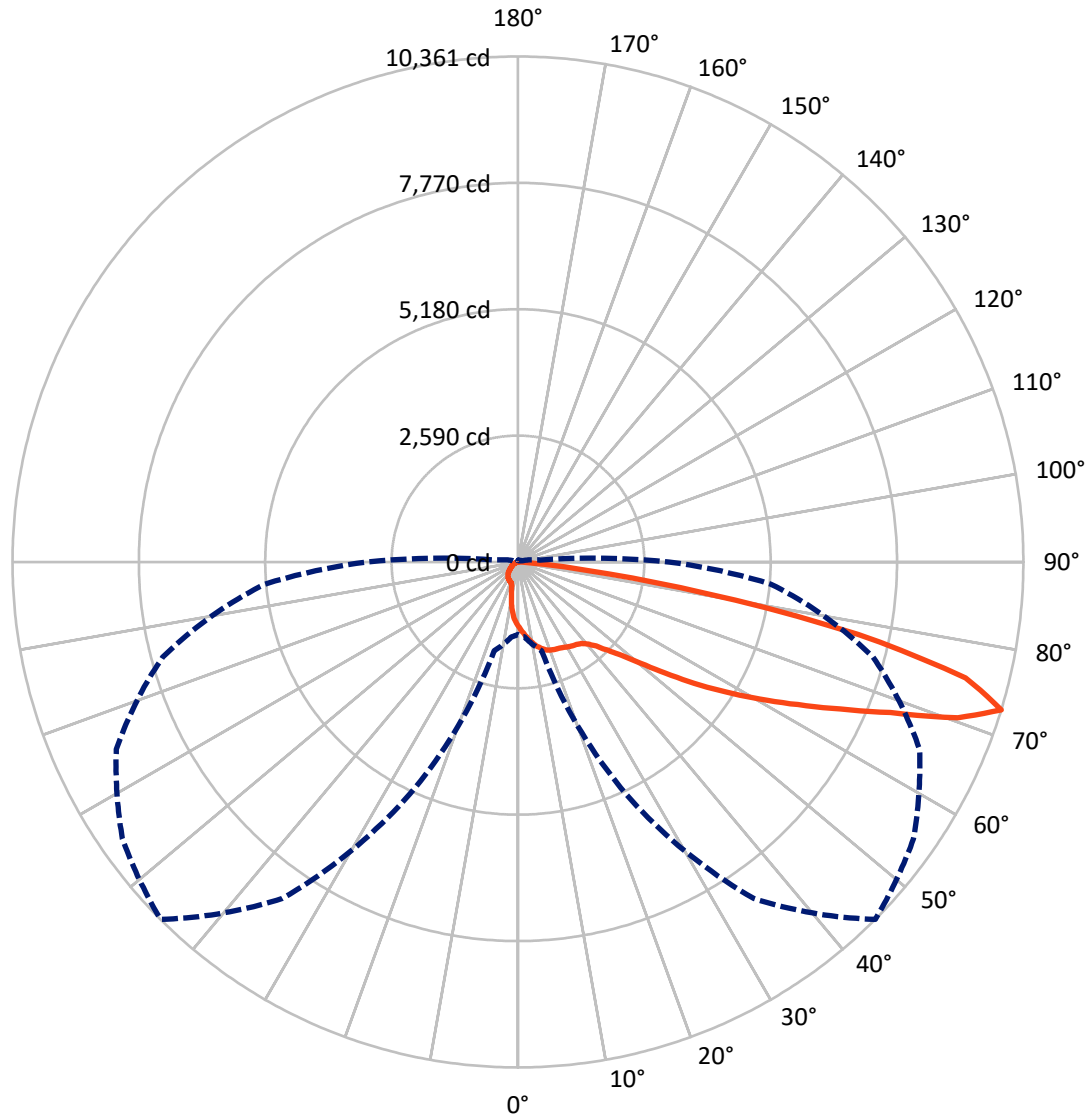
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1265.2	0.0	1265.2
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	10775.8	0.0	10775.8
	% Fixture	89.5	0.0	89.5
Total	Lumens	12041.0	0.0	12041.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.3	1.0
10°-20°	363.2	3.0
20°-30°	596.5	5.0
30°-40°	846.0	7.0
40°-50°	1398.3	11.6
50°-60°	2511.9	20.9
60°-70°	3487.9	29.0
70°-80°	2530.0	21.0
80°-90°	182.9	1.5
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°	12041.0	100.0
0°-180°	12041.0	100.0

Coefficient of Utilization



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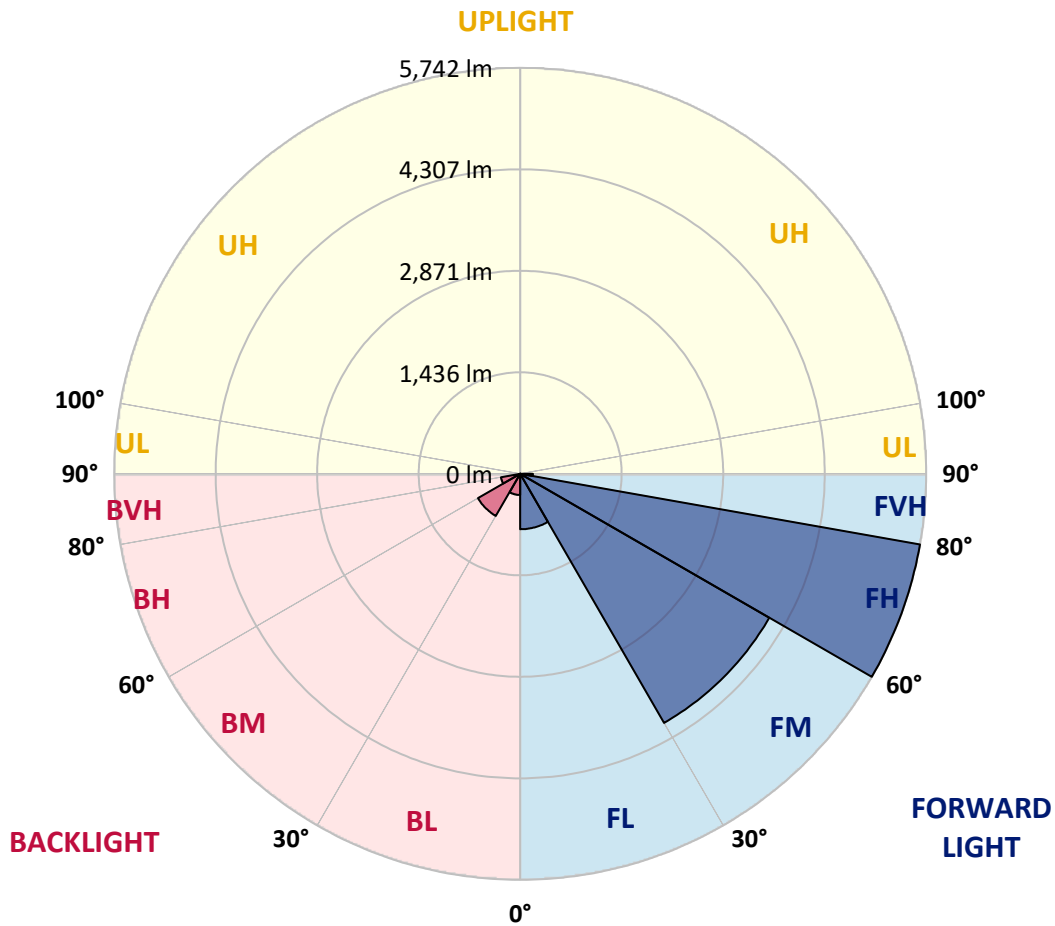
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	784.4	6.5			
FM (30°-60°)	4068.1	33.8			
FH (60°-80°)	5742.0	47.7			G3/7500
FVH (80°-90°)	181.4	1.5			G2/225
BL (0°-30°)	299.7	2.5	B1/500		
BM (30°-60°)	688.1	5.7	B1/1000		
BH (60°-80°)	275.9	2.3	B1/500		G1/500
BVH (80°-90°)	1.5	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1
2.5°	1440.8	1443.2	1441.6	1431.7	1415.3	1406.2	1401.3	1384.9	1374.2	1355.3
5°	1573.1	1582.9	1577.2	1557.5	1526.2	1504.0	1497.5	1463.8	1433.4	1398.0
7.5°	1713.6	1718.6	1707.9	1682.4	1640.5	1602.7	1596.9	1550.1	1501.6	1447.3
10°	1835.3	1841.0	1824.6	1787.6	1739.9	1693.1	1684.9	1633.1	1575.5	1509.0
12.5°	1937.2	1942.9	1921.6	1877.2	1824.6	1776.1	1767.9	1713.6	1650.3	1576.4
15°	2014.4	2025.1	1996.3	1948.7	1892.0	1843.5	1839.4	1785.9	1724.3	1642.1
17.5°	2059.6	2070.3	2043.2	1985.7	1937.2	1896.1	1891.1	1846.8	1789.2	1710.3
20°	2067.0	2076.9	2048.1	1998.0	1957.7	1924.8	1922.4	1890.3	1848.4	1772.8
22.5°	2044.8	2057.2	2030.9	1990.6	1962.6	1945.4	1942.1	1924.0	1900.2	1836.1
25°	2021.8	2031.7	2012.0	1976.6	1961.8	1960.2	1962.6	1959.4	1954.4	1900.2
27.5°	2020.2	2030.9	2008.7	1975.0	1966.8	1984.0	1986.5	2002.1	2006.2	1958.5
30°	2034.2	2041.5	2020.2	1984.8	1980.7	2020.2	2021.0	2048.9	2055.5	2007.9
32.5°	2064.6	2072.8	2051.4	1999.6	1993.9	2048.9	2051.4	2088.4	2099.1	2060.5
35°	2136.1	2145.9	2121.3	2040.7	2020.2	2076.1	2083.5	2127.0	2148.4	2116.3
37.5°	2314.4	2285.6	2252.0	2123.7	2080.2	2118.8	2131.1	2182.1	2219.9	2182.9
40°	2757.4	2667.0	2561.8	2265.1	2185.4	2210.0	2219.9	2270.9	2322.6	2286.5
42.5°	3422.3	3315.5	3146.2	2590.6	2344.0	2356.3	2363.7	2408.1	2481.3	2452.5
45°	4014.9	3976.3	3803.7	3146.2	2640.7	2579.9	2588.9	2611.9	2719.6	2708.9
47.5°	4470.2	4448.0	4314.9	3783.9	3142.0	2853.6	2879.0	2889.7	3045.1	3082.9
50°	4820.3	4812.1	4692.9	4351.0	3797.1	3257.1	3266.2	3243.1	3475.7	3569.4
52.5°	5150.7	5178.7	5090.7	4877.9	4496.5	3785.6	3783.9	3675.4	3989.4	4130.8
55°	5449.1	5458.9	5468.0	5415.4	5200.0	4387.2	4371.6	4194.1	4585.3	4731.6
57.5°	5729.3	5733.4	5814.0	5921.6	5932.3	5033.2	5004.4	4791.6	5236.2	5340.6
60°	5917.5	5936.4	6106.6	6405.7	6536.4	5699.7	5684.1	5467.1	5898.6	5947.1
62.5°	5646.3	5761.4	6190.4	6783.8	7106.8	6438.6	6431.2	6227.4	6595.6	6556.1
65°	4570.5	4765.3	5519.7	7039.4	7666.5	7263.8	7274.5	7057.5	7311.4	7183.2
67.5°	3197.1	3402.6	4295.1	7059.9	8291.9	8232.8	8294.4	7954.2	8071.7	7784.0
70°	2210.9	2316.9	2897.9	6617.8	8779.3	9567.5	9565.9	9055.5	8827.8	8057.7
72.5°	1486.8	1541.8	1882.1	5250.2	8421.0	10360.6	10312.9	9897.1	9082.6	7535.8
75°	627.1	667.4	871.2	2950.5	6662.2	9478.7	9349.7	8746.4	8070.0	5934.0
77.5°	198.9	216.2	343.5	1056.1	3669.7	7124.9	6988.4	5462.2	5408.8	2976.8
80°	94.5	110.1	193.1	424.1	1444.0	3875.2	3856.3	2478.0	2326.7	803.8
82.5°	41.1	48.5	106.8	226.8	646.0	1382.4	1410.3	843.2	697.8	304.9
85°	13.2	17.3	49.3	104.4	272.9	343.5	339.4	200.5	281.1	166.0
87.5°	0.0	0.0	16.4	23.8	27.9	19.7	22.2	17.3	78.1	46.0
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°
1319.1	0°	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1	1319.1
1335.6	2.5°	1325.7	1312.5	1289.5	1268.2	1249.3	1230.4	1218.8	1202.4	1200.8	1200.8
1356.9	5°	1334.7	1313.4	1272.3	1228.7	1178.6	1130.9	1083.2	1037.2	1022.4	1011.7
1391.4	7.5°	1361.0	1327.3	1262.4	1179.4	1084.1	979.7	906.5	827.6	797.2	780.8
1437.5	10°	1398.8	1352.8	1254.2	1108.7	954.2	812.0	707.6	622.2	589.3	575.3
1487.6	12.5°	1440.8	1384.0	1239.4	1020.8	812.0	641.9	540.0	500.5	495.6	495.6
1547.6	15°	1490.9	1421.9	1213.9	917.2	663.3	507.9	471.8	473.4	478.3	481.6
1606.0	17.5°	1542.7	1462.1	1173.6	801.3	531.8	457.0	457.8	460.3	464.4	467.6
1669.2	20°	1598.6	1502.4	1120.2	678.1	456.1	442.2	444.6	447.1	450.4	452.0
1728.4	22.5°	1658.6	1540.2	1056.9	557.2	430.7	429.8	430.7	433.1	437.2	437.2
1797.5	25°	1722.7	1582.1	984.6	469.3	417.5	417.5	419.2	420.8	424.1	424.1
1864.0	27.5°	1788.4	1620.7	908.2	423.3	406.0	405.2	405.2	407.7	409.3	410.1
1929.8	30°	1860.7	1666.0	831.7	413.4	397.0	392.9	390.4	392.0	393.7	394.5
1998.8	32.5°	1934.7	1709.5	763.5	417.5	387.9	380.5	372.3	370.7	370.7	374.0
2070.3	35°	2016.9	1757.2	710.9	431.5	383.0	362.4	349.3	341.9	342.7	347.7
2155.8	37.5°	2115.5	1814.7	672.3	443.8	379.7	341.9	320.5	311.5	305.7	311.5
2273.3	40°	2244.6	1899.4	644.4	453.7	375.6	318.1	289.3	274.5	263.8	267.1
2455.8	42.5°	2434.4	2032.5	633.7	454.5	366.6	290.1	257.2	237.5	221.9	222.7
2730.3	45°	2700.7	2242.9	688.7	443.8	346.8	259.7	223.6	197.3	187.4	184.9
3140.4	47.5°	3065.6	2549.5	816.1	421.6	318.1	230.1	190.7	168.5	161.1	157.0
3678.7	50°	3554.6	2943.2	957.5	397.0	289.3	202.2	163.6	149.6	144.7	140.5
4317.3	52.5°	4121.7	3342.6	1073.4	372.3	260.5	177.5	146.3	138.1	134.0	130.7
4933.7	55°	4642.0	3617.9	1066.8	346.0	232.6	157.8	134.0	129.0	124.1	120.8
5464.7	57.5°	4965.8	3656.5	879.4	317.2	200.5	142.2	122.5	119.2	113.4	109.3
5924.1	60°	5114.6	3436.3	616.4	279.4	168.5	127.4	110.1	108.5	101.1	95.3
6358.9	62.5°	5141.7	3027.0	410.9	232.6	140.5	113.4	97.8	95.3	85.5	75.6
6712.3	65°	5031.5	2441.8	284.4	181.6	120.0	98.6	83.8	78.9	68.2	58.4
6796.1	67.5°	4683.1	1714.4	198.1	130.7	101.9	78.1	66.6	64.9	56.7	48.5
6368.7	70°	4044.5	977.2	132.3	97.8	80.5	53.4	52.6	54.2	46.0	39.5
5203.3	72.5°	3101.0	447.1	82.2	71.5	55.1	36.2	41.9	42.7	35.3	29.6
3246.4	75°	1825.4	191.5	51.8	46.0	27.9	23.8	30.4	31.2	23.8	18.9
1186.8	77.5°	621.3	72.3	32.9	27.1	14.0	13.2	19.7	19.7	13.2	7.4
238.3	80°	141.4	27.1	16.4	10.7	6.6	5.8	6.6	5.8	3.3	0.8
73.1	82.5°	40.3	10.7	6.6	4.1	2.5	2.5	0.8	0.0	0.0	0.0
25.5	85°	11.5	4.9	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
9.0	87.5°	4.9	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>
1319.1
1204.9
1016.7
783.3
575.3
495.6
481.6
467.6
452.9
438.9
424.9
410.9
396.1
376.4
350.1
309.8
265.5
219.4
181.6
154.5
139.7
129.9
119.2
108.5
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