

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: P940578

Luminaire Tested: **GALN-SB3C-950-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940578  
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-950-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

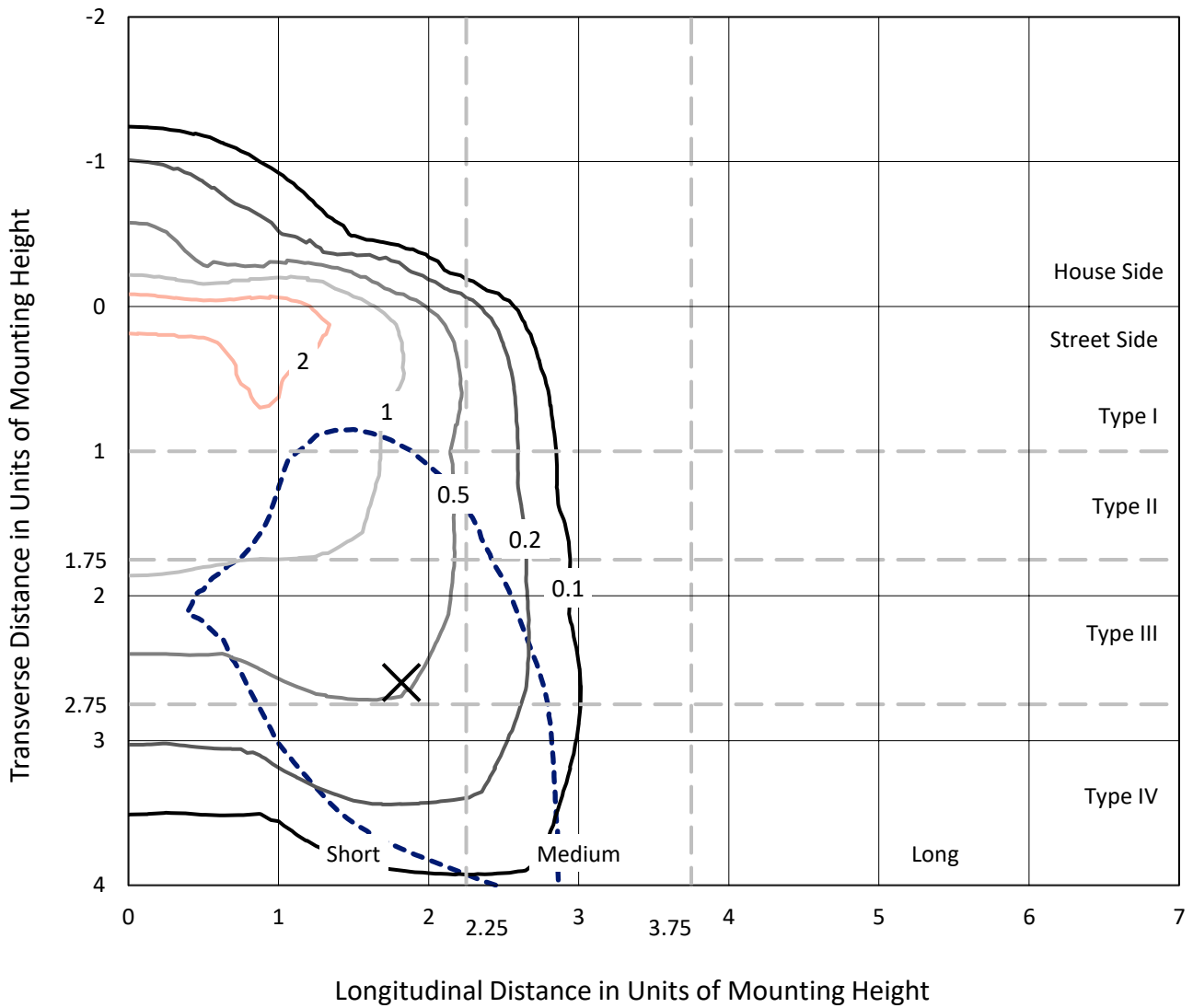
Lumens per Lamp: N/A  
Luminaire Lumens: 11835 lumens  
Efficiency: N/A  
Efficacy: 79.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

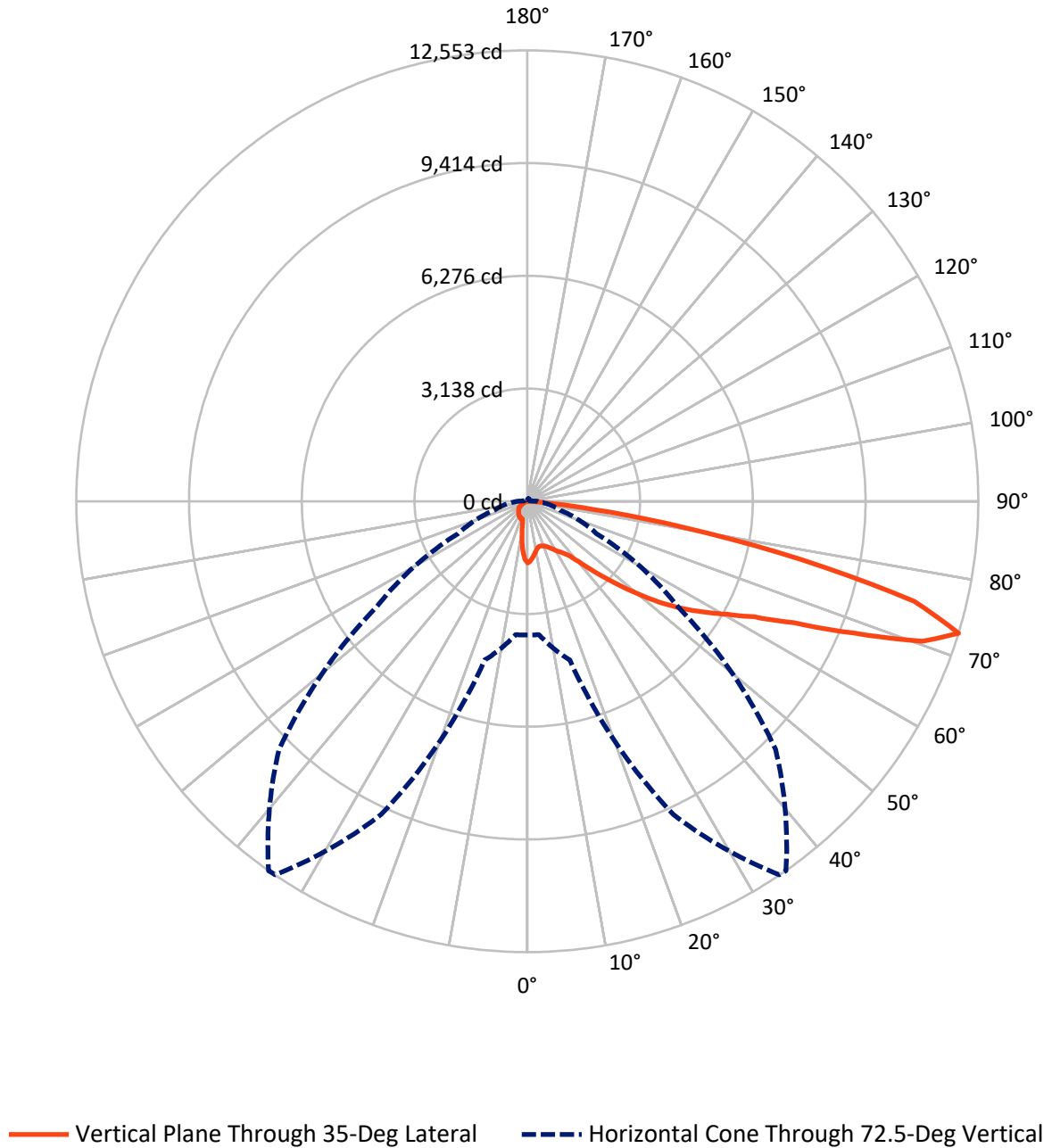
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1332.0	0.0	1332.0
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	10503.0	0.0	10503.0
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	11835.0	0.0	11835.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.0	1.2
10°-20°	329.7	2.8
20°-30°	535.7	4.5
30°-40°	893.7	7.6
40°-50°	1691.0	14.3
50°-60°	2686.9	22.7
60°-70°	3323.9	28.1
70°-80°	2066.2	17.5
80°-90°	167.0	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°	11835.0	100.0
0°-180°	11835.0	100.0

**Coefficient of Utilization**



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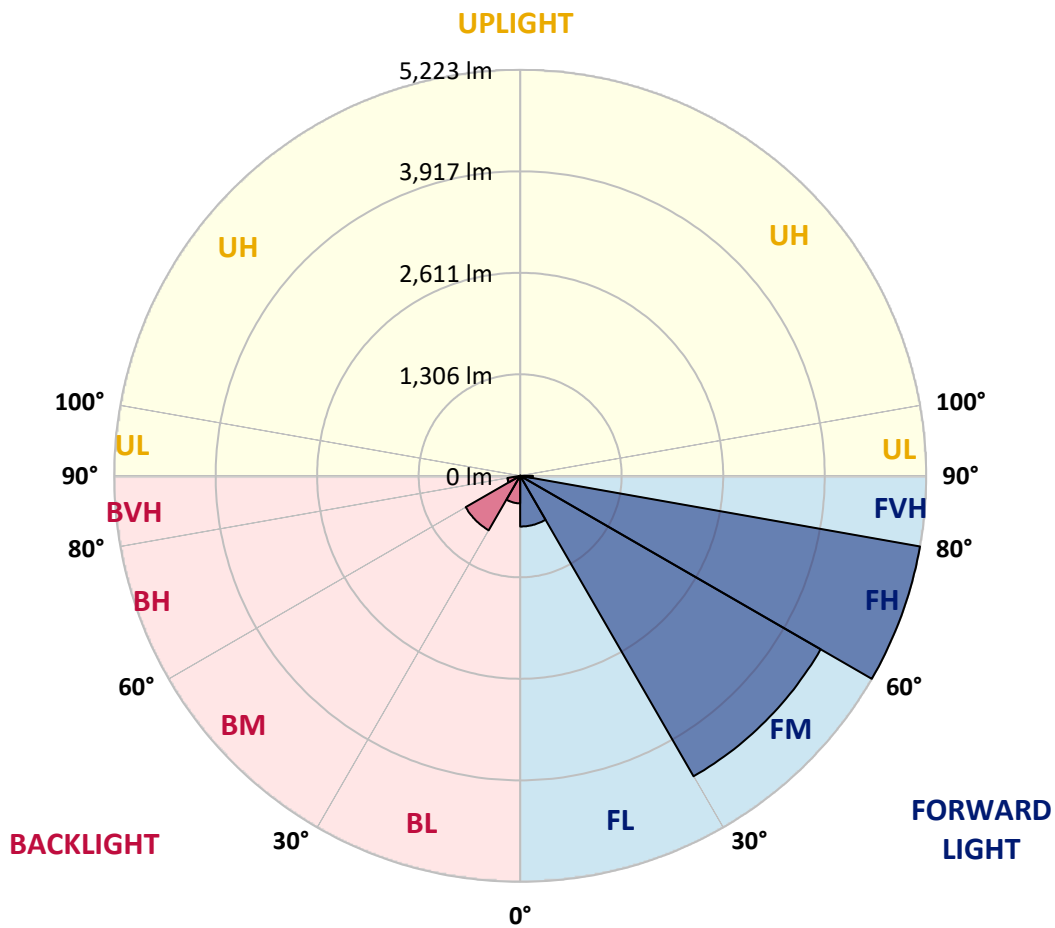
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	652.4	5.5			
FM (30°-60°)	4463.0	37.7			
FH (60°-80°)	5222.9	44.1			G3/7500
FVH (80°-90°)	164.7	1.4			G2/225
BL (0°-30°)	353.9	3.0	B1/500		
BM (30°-60°)	808.6	6.8	B1/1000		
BH (60°-80°)	167.1	1.4	B1/500		G1/500
BVH (80°-90°)	2.3	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°	34°	35°	45°	55°	65°	75°
0°	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3
2.5°	1639.0	1652.9	1655.5	1659.8	1659.8	1665.0	1673.7	1685.8	1705.7	1716.2
5°	1510.6	1521.0	1534.0	1544.5	1564.4	1567.0	1600.8	1633.8	1679.7	1714.4
7.5°	1381.4	1393.6	1410.9	1436.1	1462.1	1469.9	1521.0	1576.5	1649.4	1714.4
10°	1290.4	1291.2	1306.8	1332.0	1373.6	1383.2	1445.6	1524.5	1615.6	1704.0
12.5°	1239.2	1245.3	1252.2	1271.3	1311.2	1317.3	1384.0	1476.8	1581.7	1697.9
15°	1239.2	1243.5	1247.9	1257.4	1289.5	1294.7	1353.7	1446.5	1564.4	1700.5
17.5°	1252.2	1259.1	1255.7	1267.0	1300.8	1304.2	1356.3	1437.8	1563.5	1717.0
20°	1283.4	1288.6	1281.7	1288.6	1322.5	1329.4	1383.2	1454.3	1578.3	1745.6
22.5°	1332.9	1335.5	1319.0	1324.2	1358.9	1367.5	1430.0	1501.1	1613.8	1791.6
25°	1395.3	1400.5	1375.4	1381.4	1414.4	1424.8	1496.8	1571.3	1670.2	1854.9
27.5°	1467.3	1469.9	1448.2	1447.3	1489.8	1504.6	1577.4	1658.1	1745.6	1934.7
30°	1549.7	1557.5	1536.6	1533.2	1586.9	1599.1	1671.1	1764.7	1856.6	2054.4
32.5°	1614.7	1620.8	1608.6	1617.3	1671.9	1681.5	1784.7	1915.6	2030.9	2224.3
35°	1708.4	1711.8	1684.1	1699.7	1762.1	1786.4	1939.9	2127.2	2250.3	2437.7
37.5°	2047.4	2047.4	1929.5	1852.3	1912.1	1933.8	2152.3	2393.4	2520.9	2723.8
40°	2516.6	2508.8	2336.2	2178.4	2170.6	2213.1	2455.0	2729.0	2870.4	3067.2
42.5°	3016.9	3004.8	2769.8	2613.7	2587.7	2602.4	2804.5	3142.7	3286.6	3486.1
45°	3460.9	3457.5	3242.4	3032.5	2985.7	3032.5	3240.7	3626.6	3729.8	3939.6
47.5°	3832.9	3832.9	3676.0	3539.0	3514.7	3542.4	3831.2	4163.3	4153.8	4422.6
50°	4261.3	4257.9	4108.7	4049.7	4074.9	4113.9	4511.1	4728.7	4592.6	4897.0
52.5°	4561.4	4582.2	4531.0	4521.5	4649.8	4717.5	5201.4	5282.0	4985.4	5347.1
55°	4799.0	4823.3	4882.2	4949.0	5196.2	5284.6	5870.0	5806.7	5314.1	5737.3
57.5°	5135.5	5100.8	5191.8	5323.6	5723.4	5830.1	6517.7	6301.8	5578.6	6053.8
60°	5543.9	5549.1	5564.7	5731.2	6249.8	6386.8	7156.0	6770.1	5748.6	6248.1
62.5°	6034.7	6042.5	6074.6	6330.4	6956.5	7085.8	7835.9	7153.4	5826.6	6193.4
65°	6000.9	6033.9	6392.0	7267.0	8031.0	8158.5	8629.3	7422.2	5708.7	5693.9
67.5°	5466.7	5520.5	6119.7	8385.7	9650.9	9793.1	9588.4	7475.1	5199.6	4427.8
70°	4766.0	4785.1	5505.7	9391.6	11526.6	11670.6	10447.0	6893.2	3945.7	2469.7
72.5°	3722.0	3726.3	4571.8	9624.9	12544.7	12552.5	9773.2	5117.2	2122.0	948.7
75°	2658.8	2632.8	3062.0	7805.5	11036.6	11125.1	7326.8	2400.4	810.8	448.3
77.5°	1425.6	1454.3	1732.6	4629.0	7624.3	7775.2	3997.7	692.0	412.8	305.2
80°	440.5	464.8	710.2	2119.4	4318.6	4409.6	1482.0	307.9	287.9	217.7
82.5°	138.7	144.0	331.3	890.6	1792.5	1834.1	429.3	174.3	196.9	144.0
85°	39.9	40.8	147.4	332.1	443.1	451.8	120.5	67.6	112.7	89.3
87.5°	4.3	13.9	55.5	55.5	39.0	38.2	13.0	14.7	32.1	11.3
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°
1715.3	0°	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3	1715.3
1723.1	2.5°	1718.8	1719.6	1708.4	1689.3	1668.5	1651.1	1629.4	1612.1	1600.0	1596.5
1738.7	5°	1730.9	1724.8	1692.7	1634.6	1565.3	1505.4	1438.7	1385.8	1351.1	1336.3
1755.2	7.5°	1749.1	1731.8	1661.5	1547.1	1414.4	1296.4	1176.8	1084.0	1025.0	995.5
1770.8	10°	1764.7	1730.0	1609.5	1420.4	1217.5	1038.9	877.6	765.7	703.3	673.8
1789.0	12.5°	1779.5	1729.2	1541.9	1270.4	995.5	777.0	627.0	571.5	554.1	548.1
1818.5	15°	1807.2	1731.8	1456.9	1098.7	774.4	587.1	532.5	531.6	535.1	533.3
1863.6	17.5°	1845.4	1734.4	1360.6	916.6	597.5	517.7	515.1	522.9	528.1	525.5
1919.9	20°	1894.8	1744.8	1258.3	736.2	513.4	500.4	506.4	513.4	517.7	513.4
1995.4	22.5°	1964.2	1763.0	1146.4	591.4	486.5	490.0	495.2	503.0	507.3	501.2
2091.6	25°	2049.2	1791.6	1036.3	514.2	473.5	477.8	485.6	494.3	499.5	493.4
2213.1	27.5°	2159.3	1837.6	934.8	496.9	460.5	463.1	474.3	487.4	494.3	486.5
2385.6	30°	2318.8	1913.0	847.2	504.7	452.7	446.6	462.2	480.4	488.2	481.3
2620.6	32.5°	2530.4	2019.7	793.5	516.8	449.2	427.5	442.3	465.7	478.7	474.3
2927.6	35°	2807.9	2181.8	772.7	530.7	446.6	407.6	418.0	443.1	465.7	470.0
3314.4	37.5°	3144.4	2407.3	778.7	536.8	438.8	391.1	396.3	418.0	447.5	461.3
3749.7	40°	3526.8	2670.1	813.4	530.7	430.1	377.2	378.1	394.6	420.6	441.4
4218.0	42.5°	3921.4	2977.0	877.6	508.2	422.3	365.1	362.5	373.8	391.1	405.8
4685.4	45°	4296.9	3292.7	940.9	477.0	412.8	352.9	346.9	351.2	354.7	360.7
5140.7	47.5°	4624.7	3514.7	922.7	448.3	399.8	339.1	328.7	326.9	316.5	315.7
5547.4	50°	4851.0	3563.3	819.5	419.7	380.7	323.5	307.0	296.6	278.4	269.7
5851.8	52.5°	4923.0	3371.6	669.5	391.1	349.5	302.6	279.2	262.8	240.2	232.4
6026.9	55°	4827.6	2996.1	535.1	356.4	306.1	274.9	248.9	227.2	209.0	199.5
6046.0	57.5°	4594.3	2518.3	423.2	315.7	260.2	243.7	217.7	196.0	180.4	170.8
5834.4	60°	4207.6	1999.7	334.7	267.1	222.0	209.9	183.0	169.1	155.2	144.0
5288.1	62.5°	3620.5	1427.4	262.8	211.6	185.6	171.7	156.1	145.7	129.2	113.6
4305.6	65°	2825.3	873.3	202.9	155.2	149.2	142.2	132.7	123.1	103.2	87.6
2808.8	67.5°	1782.1	413.6	144.8	117.1	117.9	114.5	110.1	102.3	87.6	73.7
1258.3	70°	784.8	200.3	95.4	89.3	87.6	87.6	91.1	88.5	74.6	61.6
437.1	72.5°	267.1	107.5	71.1	67.6	63.3	62.4	76.3	73.7	59.8	47.7
217.7	75°	139.6	72.0	52.0	48.6	38.2	46.0	60.7	57.2	42.5	31.2
144.0	77.5°	91.1	51.2	35.6	31.2	21.7	30.4	45.1	39.9	25.1	15.6
94.5	80°	57.2	33.8	20.8	14.7	10.4	16.5	24.3	17.3	9.5	3.5
55.5	82.5°	30.4	17.3	7.8	5.2	4.3	5.2	6.1	4.3	1.7	0.0
28.6	85°	12.1	6.1	2.6	1.7	0.9	0.0	1.7	0.9	0.0	0.0
5.2	87.5°	4.3	0.9	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>
1715.3
1602.6
1341.5
999.9
674.7
546.3
532.5
524.6
512.5
500.4
492.6
486.5
480.4
474.3
470.0
464.8
448.3
411.9
364.2
314.8
270.6
231.5
199.5
169.1
141.4
111.0
85.0
72.0
59.0
45.1
28.6
13.9
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