

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: P940568

Luminaire Tested: **GALN-SB3C-940-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P940568  
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-940-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

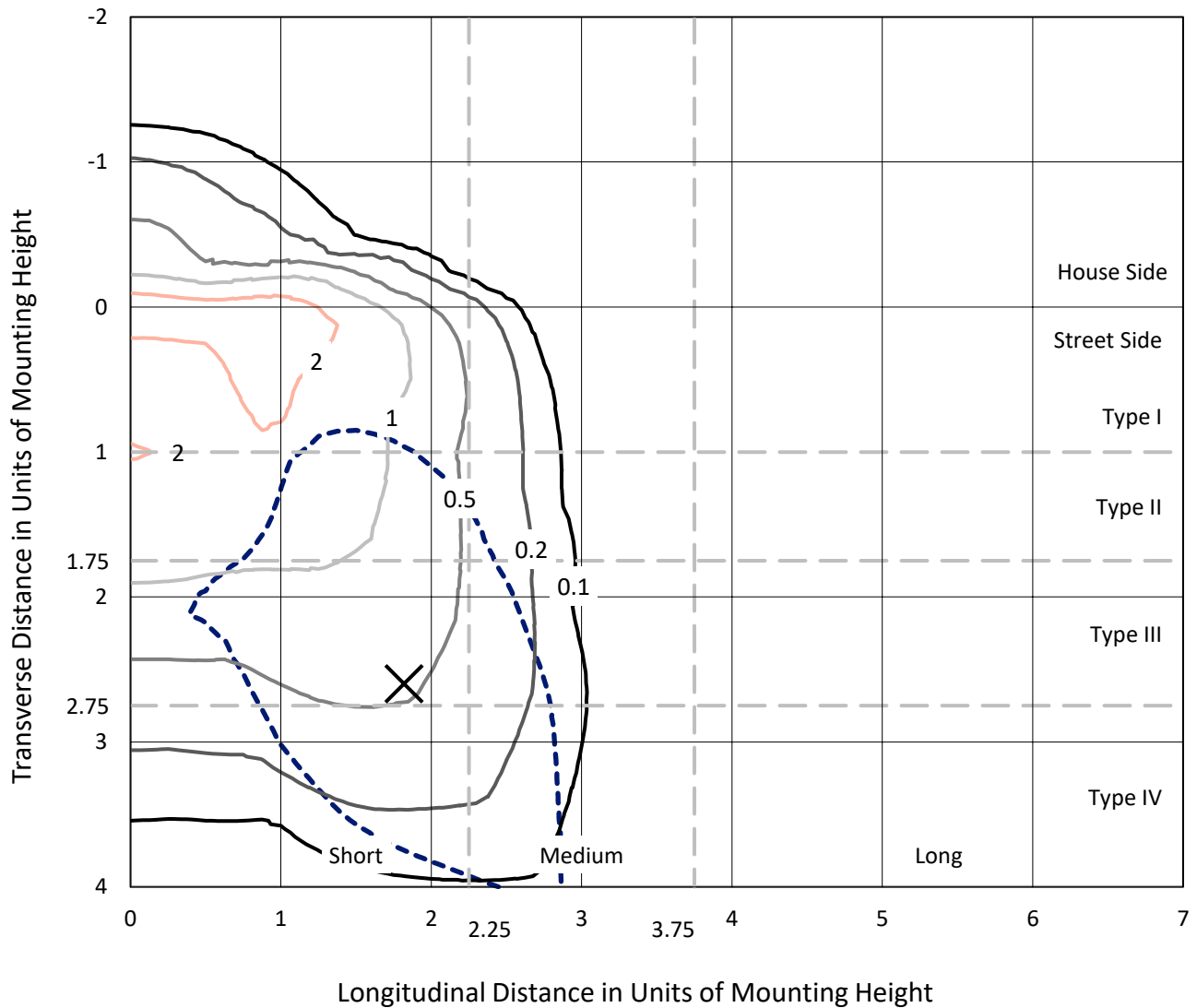
Lumens per Lamp: N/A  
Luminaire Lumens: 12328 lumens  
Efficiency: N/A  
Efficacy: 82.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

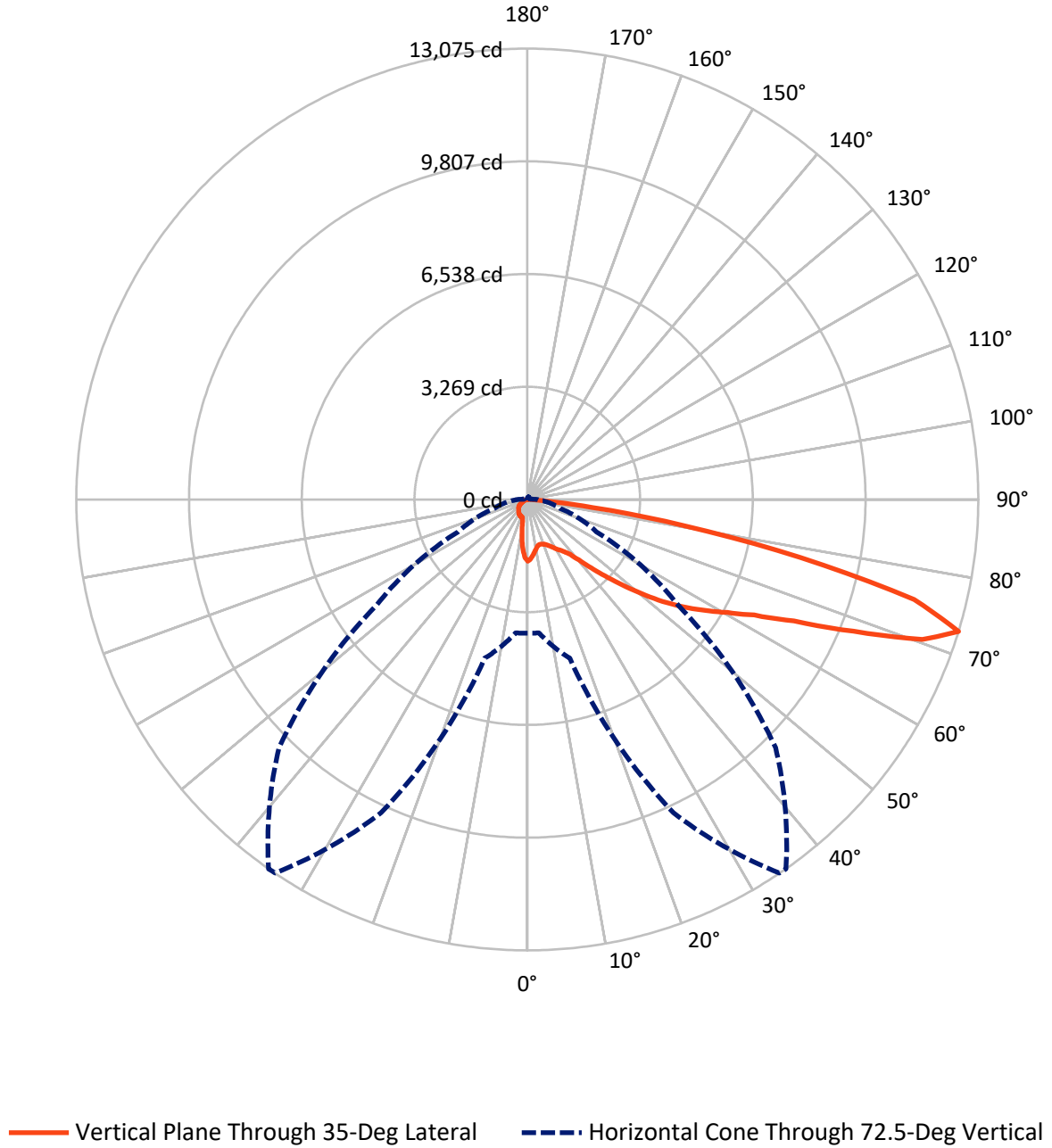
✕ Max cd  
 - - - 1/2 Max cd



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



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1387.5	0.0	1387.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	10940.5	0.0	10940.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	12328.0	0.0	12328.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	146.8	1.2
10°-20°	343.5	2.8
20°-30°	558.0	4.5
30°-40°	931.0	7.6
40°-50°	1761.4	14.3
50°-60°	2798.8	22.7
60°-70°	3462.4	28.1
70°-80°	2152.2	17.5
80°-90°	173.9	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°	12328.0	100.0
0°-180°	12328.0	100.0

**Coefficient of Utilization**



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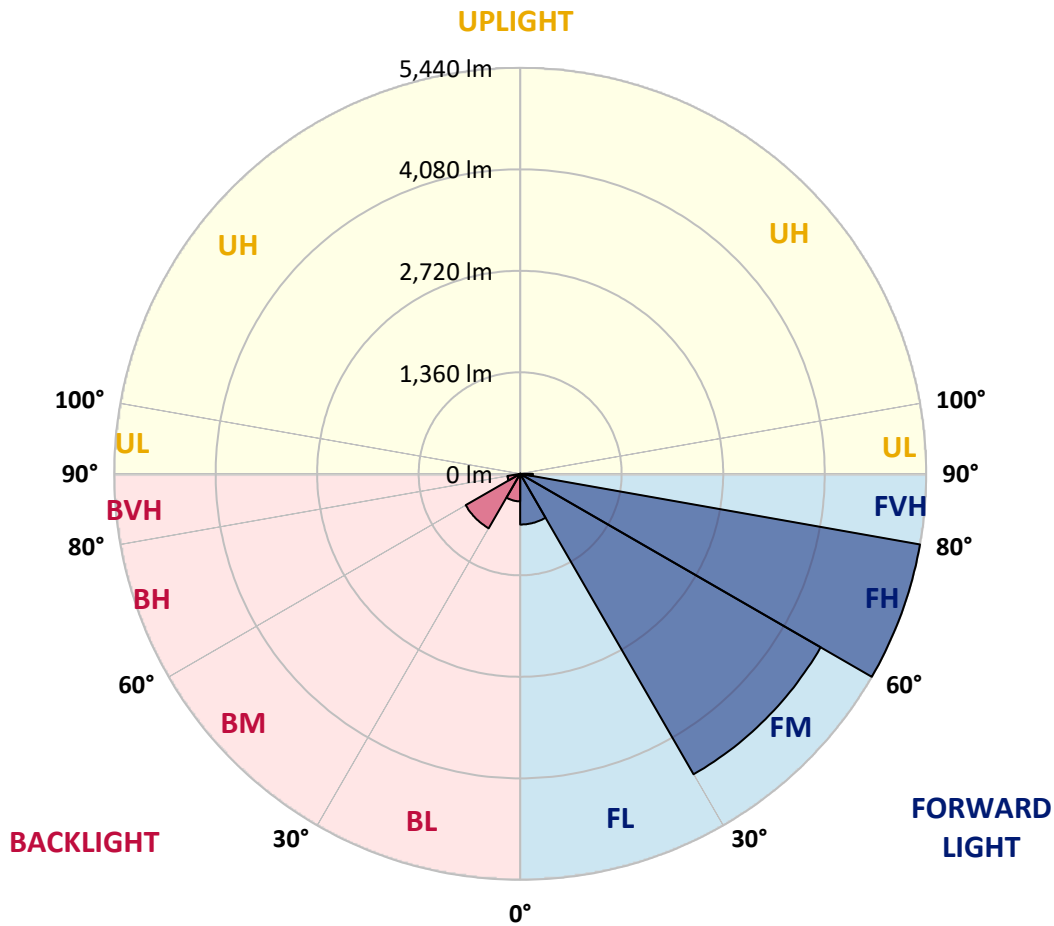
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	679.6	5.5			
FM (30°-60°)	4648.9	37.7			
FH (60°-80°)	5440.5	44.1			G3/7500
FVH (80°-90°)	171.6	1.4			G2/225
BL (0°-30°)	368.7	3.0	B1/500		
BM (30°-60°)	842.3	6.8	B1/1000		
BH (60°-80°)	174.1	1.4	B1/500		G1/500
BVH (80°-90°)	2.4	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°	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7
2.5°	1707.2	1721.7	1724.4	1728.9	1728.9	1734.3	1743.4	1756.0	1776.8	1787.6
5°	1573.6	1584.4	1597.9	1608.8	1629.6	1632.3	1667.5	1701.8	1749.7	1785.8
7.5°	1439.0	1451.6	1469.7	1495.9	1523.0	1531.1	1584.4	1642.2	1718.1	1785.8
10°	1344.1	1345.0	1361.3	1387.5	1430.8	1440.8	1505.8	1588.0	1682.9	1775.0
12.5°	1290.8	1297.1	1304.4	1324.2	1365.8	1372.1	1441.7	1538.3	1647.6	1768.7
15°	1290.8	1295.3	1299.9	1309.8	1343.2	1348.6	1410.1	1506.7	1629.6	1771.4
17.5°	1304.4	1311.6	1308.0	1319.7	1355.0	1358.6	1412.8	1497.7	1628.7	1788.5
20°	1336.9	1342.3	1335.1	1342.3	1377.5	1384.8	1440.8	1514.8	1644.0	1818.4
22.5°	1388.4	1391.1	1373.9	1379.3	1415.5	1424.5	1489.6	1563.6	1681.1	1866.2
25°	1453.4	1458.8	1432.6	1439.0	1473.3	1484.1	1559.1	1636.8	1739.8	1932.2
27.5°	1528.4	1531.1	1508.5	1507.6	1551.9	1567.2	1643.1	1727.1	1818.4	2015.3
30°	1614.2	1622.3	1600.7	1597.0	1653.1	1665.7	1740.7	1838.2	1934.0	2139.9
32.5°	1682.0	1688.3	1675.6	1684.7	1741.6	1751.5	1859.0	1995.4	2115.5	2317.0
35°	1779.5	1783.1	1754.2	1770.5	1835.5	1860.8	2020.7	2215.8	2344.1	2539.2
37.5°	2132.7	2132.7	2009.9	1929.5	1991.8	2014.4	2242.0	2493.1	2625.9	2837.3
40°	2621.4	2613.3	2433.5	2269.1	2261.0	2305.2	2557.3	2842.7	2989.9	3195.0
42.5°	3142.6	3130.0	2885.2	2722.6	2695.5	2710.8	2921.3	3273.6	3423.5	3631.3
45°	3605.1	3601.5	3377.5	3158.9	3110.1	3158.9	3375.7	3777.6	3885.1	4103.7
47.5°	3992.6	3992.6	3829.1	3686.4	3661.1	3690.0	3990.8	4336.8	4326.8	4606.9
50°	4438.8	4435.2	4279.9	4218.4	4244.6	4285.3	4699.0	4925.7	4783.9	5101.0
52.5°	4751.4	4773.1	4719.8	4709.8	4843.5	4914.0	5418.0	5502.0	5193.1	5569.8
55°	4998.9	5024.2	5085.6	5155.2	5412.6	5504.8	6114.5	6048.5	5535.5	5976.3
57.5°	5349.4	5313.2	5408.1	5545.4	5961.8	6072.9	6789.3	6564.3	5811.0	6306.0
60°	5774.8	5780.3	5796.5	5970.0	6510.1	6652.9	7454.1	7052.1	5988.0	6508.3
62.5°	6286.1	6294.2	6327.7	6594.1	7246.3	7380.9	8162.3	7451.4	6069.3	6451.4
65°	6250.9	6285.2	6658.3	7569.7	8365.5	8498.3	8988.8	7731.4	5946.5	5931.1
67.5°	5694.4	5750.5	6374.6	8735.0	10052.9	10201.0	9987.9	7786.5	5416.2	4612.3
70°	4964.6	4984.4	5735.1	9782.8	12006.8	12156.7	10882.1	7180.4	4110.0	2572.6
72.5°	3877.0	3881.5	4762.2	10025.8	13067.2	13075.4	10180.3	5330.4	2210.4	988.2
75°	2769.5	2742.4	3189.6	8130.7	11496.4	11588.5	7632.0	2500.4	844.6	467.0
77.5°	1485.0	1514.8	1804.8	4821.9	7941.9	8099.0	4164.2	720.8	430.0	318.0
80°	458.9	484.2	739.8	2207.7	4498.5	4593.3	1543.8	320.7	299.9	226.7
82.5°	144.5	149.9	345.1	927.7	1867.1	1910.5	447.1	181.6	205.1	149.9
85°	41.6	42.5	153.6	346.0	461.6	470.6	125.6	70.5	117.4	93.0
87.5°	4.5	14.5	57.8	57.8	40.6	39.7	13.5	15.4	33.4	11.7
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°
1786.7	0°	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7	1786.7
1794.9	2.5°	1790.4	1791.3	1779.5	1759.6	1738.0	1719.9	1697.3	1679.2	1666.6	1663.0
1811.1	5°	1803.0	1796.7	1763.3	1702.7	1630.5	1568.1	1498.6	1443.5	1407.4	1392.0
1828.3	7.5°	1822.0	1803.9	1730.7	1611.5	1473.3	1350.4	1225.8	1129.1	1067.7	1037.0
1844.6	10°	1838.2	1802.1	1676.5	1479.6	1268.2	1082.2	914.1	797.6	732.6	701.9
1863.5	12.5°	1853.6	1801.2	1606.1	1323.3	1037.0	809.4	653.1	595.3	577.2	570.9
1894.2	15°	1882.5	1803.9	1517.6	1144.5	806.7	611.5	554.6	553.7	557.3	555.5
1941.2	17.5°	1922.2	1806.6	1417.3	954.8	622.4	539.3	536.6	544.7	550.1	547.4
1999.9	20°	1973.7	1817.5	1310.7	766.9	534.8	521.2	527.5	534.8	539.3	534.8
2078.5	22.5°	2046.0	1836.4	1194.2	616.1	506.8	510.4	515.8	523.9	528.4	522.1
2178.8	25°	2134.5	1866.2	1079.5	535.7	493.2	497.7	505.9	514.9	520.3	514.0
2305.2	27.5°	2249.2	1914.1	973.8	517.6	479.7	482.4	494.1	507.7	514.9	506.8
2485.0	30°	2415.4	1992.7	882.5	525.7	471.5	465.2	481.5	500.4	508.6	501.3
2729.8	32.5°	2635.8	2103.8	826.5	538.4	467.9	445.3	460.7	485.1	498.6	494.1
3049.6	35°	2924.9	2272.7	804.8	552.8	465.2	424.6	435.4	461.6	485.1	489.6
3452.4	37.5°	3275.4	2507.6	811.2	559.1	457.1	407.4	412.8	435.4	466.1	480.6
3905.9	40°	3673.7	2781.3	847.3	552.8	448.0	392.9	393.8	411.0	438.1	459.8
4393.7	42.5°	4084.8	3101.1	914.1	529.3	439.9	380.3	377.6	389.3	407.4	422.7
4880.6	45°	4475.9	3429.9	980.1	496.8	430.0	367.6	361.3	365.8	369.5	375.8
5354.8	47.5°	4817.3	3661.1	961.1	467.0	416.4	353.2	342.4	340.5	329.7	328.8
5778.5	50°	5053.1	3711.7	853.6	437.2	396.6	336.9	319.8	308.9	290.0	280.9
6095.5	52.5°	5128.1	3512.1	697.4	407.4	364.0	315.3	290.9	273.7	250.2	242.1
6278.0	55°	5028.7	3120.9	557.3	371.3	318.9	286.3	259.2	236.7	217.7	207.8
6297.9	57.5°	4785.7	2623.2	440.8	328.8	271.0	253.8	226.7	204.1	187.9	178.0
6077.4	60°	4382.8	2083.0	348.7	278.2	231.2	218.6	190.6	176.1	161.7	149.9
5508.4	62.5°	3771.3	1486.8	273.7	220.4	193.3	178.9	162.6	151.8	134.6	118.3
4484.9	65°	2943.0	909.6	211.4	161.7	155.4	148.1	138.2	128.3	107.5	91.2
2925.8	67.5°	1856.3	430.9	150.9	121.9	122.8	119.2	114.7	106.6	91.2	76.8
1310.7	70°	817.5	208.7	99.4	93.0	91.2	91.2	94.8	92.1	77.7	64.1
455.3	72.5°	278.2	112.0	74.1	70.5	65.9	65.0	79.5	76.8	62.3	49.7
226.7	75°	145.4	75.0	54.2	50.6	39.7	47.9	63.2	59.6	44.3	32.5
149.9	77.5°	94.8	53.3	37.0	32.5	22.6	31.6	47.0	41.6	26.2	16.3
98.5	80°	59.6	35.2	21.7	15.4	10.8	17.2	25.3	18.1	9.9	3.6
57.8	82.5°	31.6	18.1	8.1	5.4	4.5	5.4	6.3	4.5	1.8	0.0
29.8	85°	12.6	6.3	2.7	1.8	0.9	0.0	1.8	0.9	0.0	0.0
5.4	87.5°	4.5	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>
1786.7
1669.3
1397.4
1041.5
702.8
569.1
554.6
546.5
533.9
521.2
513.1
506.8
500.4
494.1
489.6
484.2
467.0
429.1
379.4
327.9
281.8
241.2
207.8
176.1
147.2
115.6
88.5
75.0
61.4
47.0
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