

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: P940288

Luminaire Tested: **GALN-SB3B-740-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940288
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-SB3B-740-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 450mA 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: 13534 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

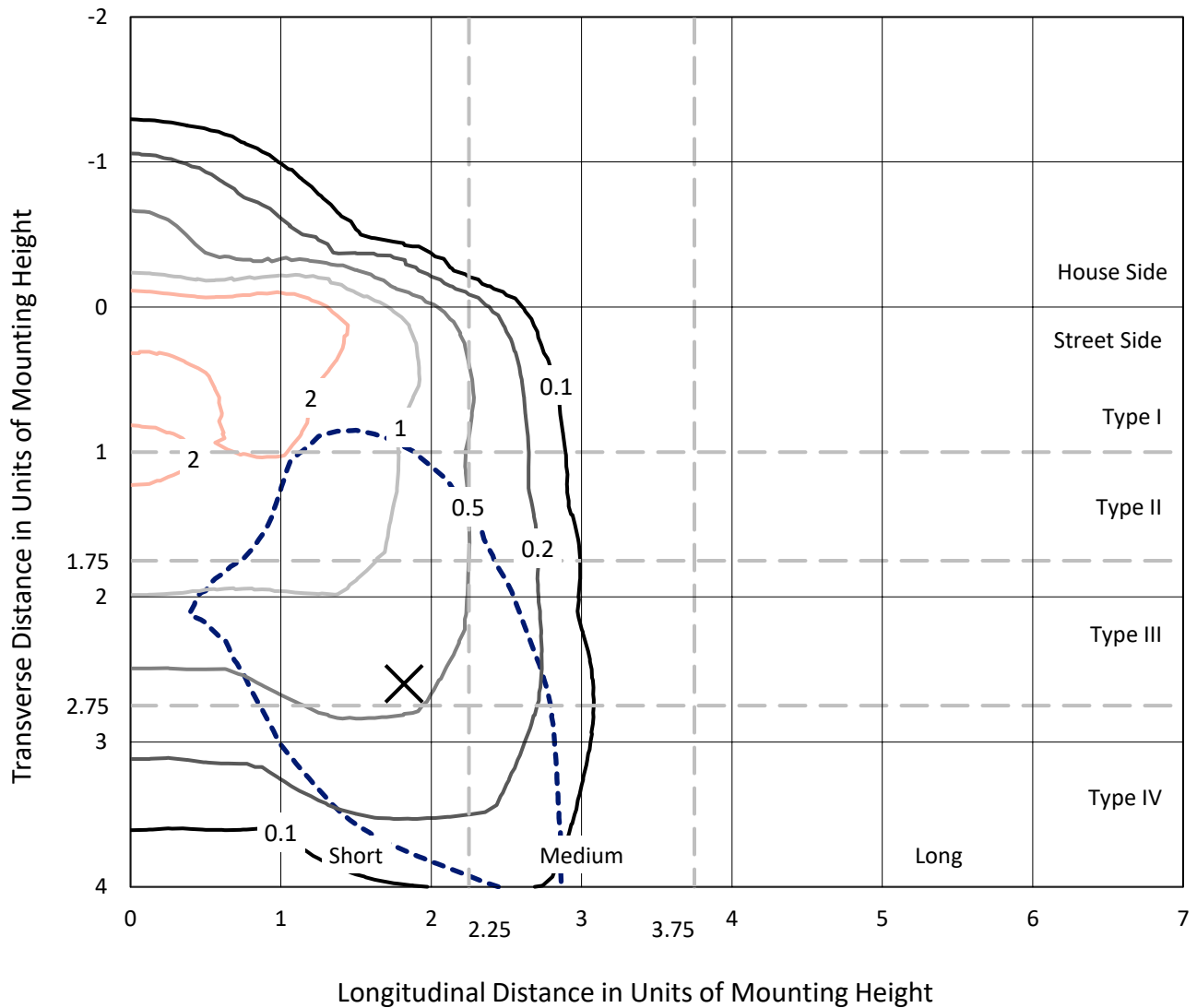
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940288
 CATALOG NUMBER: GALN-SB3B-740-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

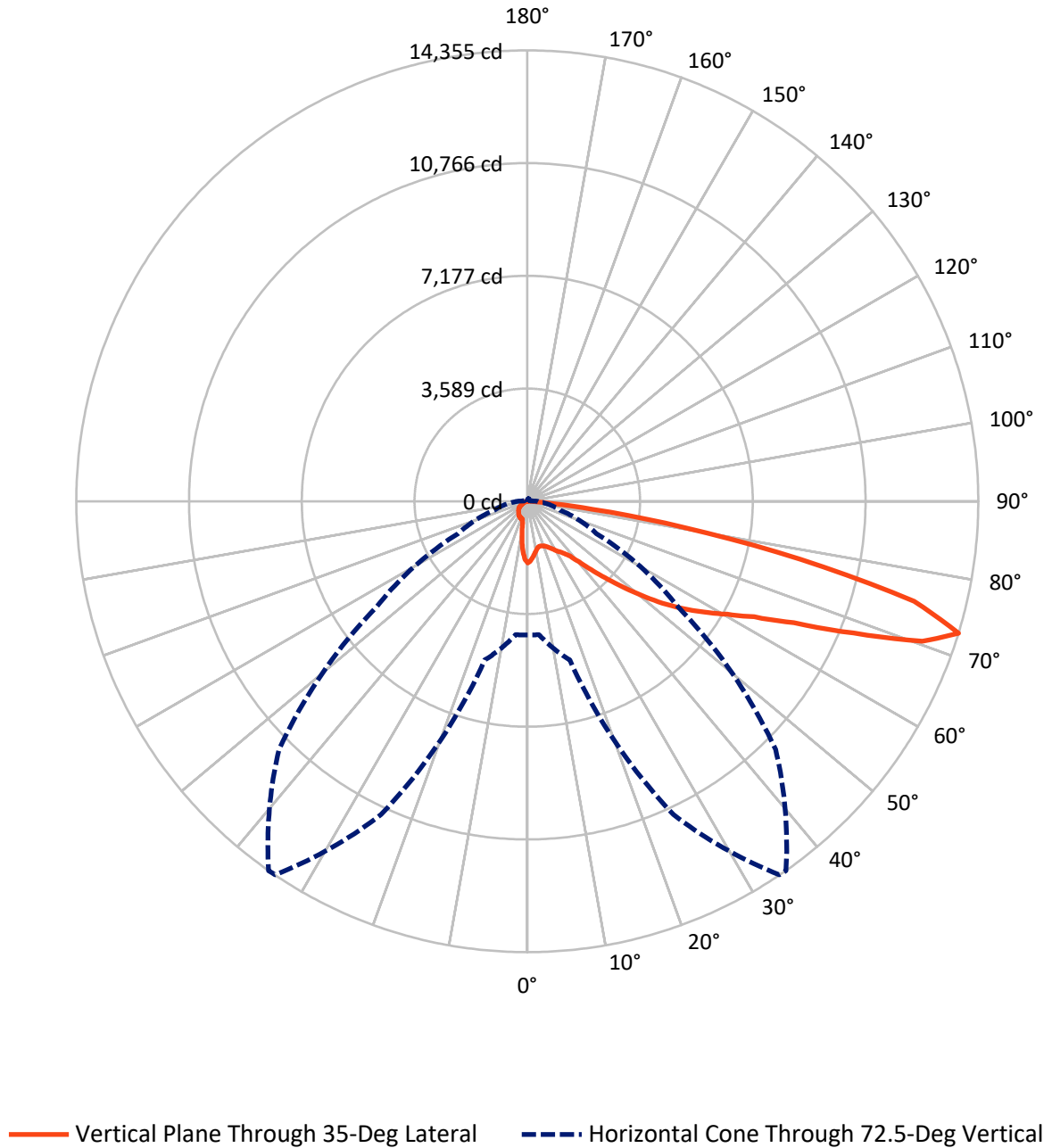
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P940288
CATALOG NUMBER: GALN-SB3B-740-U-T4FT-HSS

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1523.2	0.0	1523.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	12010.8	0.0	12010.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	13534.0	0.0	13534.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	1.2
10°-20°	377.1	2.8
20°-30°	612.5	4.5
30°-40°	1022.0	7.6
40°-50°	1933.7	14.3
50°-60°	3072.6	22.7
60°-70°	3801.1	28.1
70°-80°	2362.8	17.5
80°-90°	191.0	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°	13534.0	100.0
0°-180°	13534.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940288

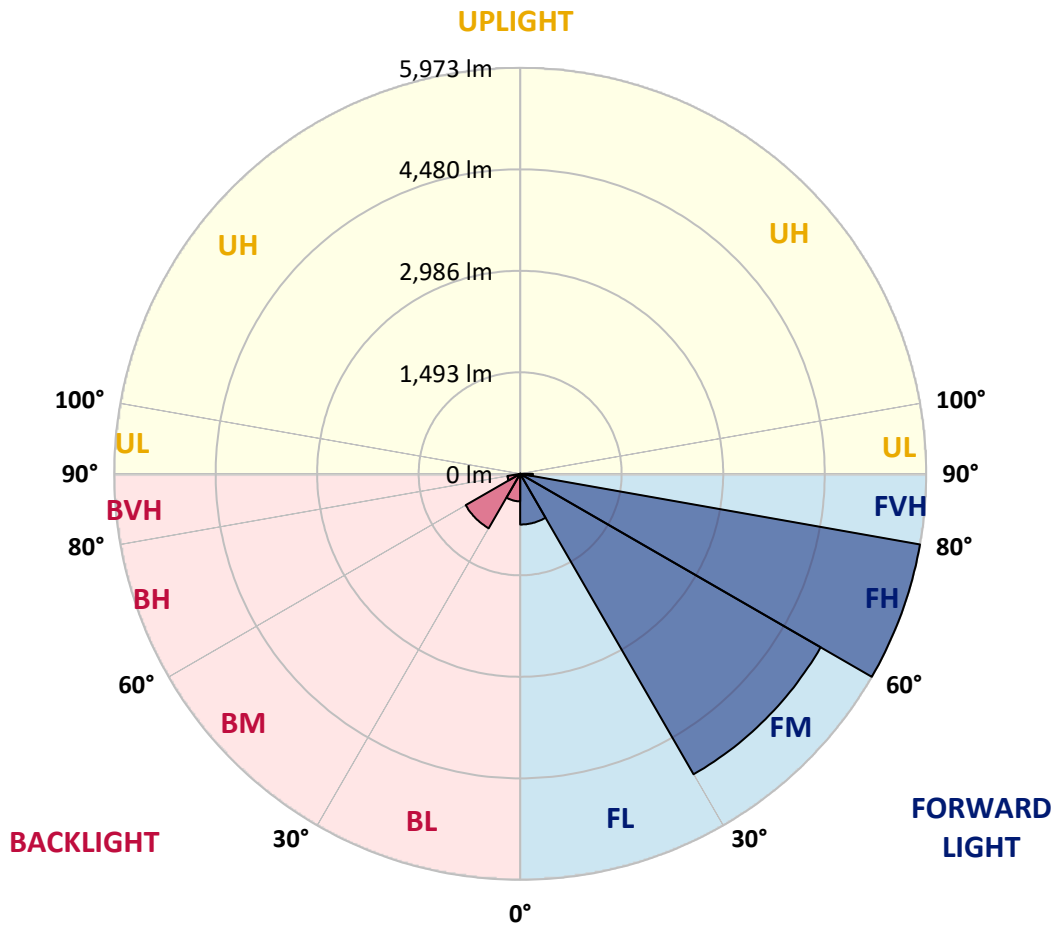
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	746.1	5.5			
FM (30°-60°)	5103.7	37.7			
FH (60°-80°)	5972.7	44.1			G3/7500
FVH (80°-90°)	188.4	1.4			G2/225
BL (0°-30°)	404.7	3.0	B1/500		
BM (30°-60°)	924.7	6.8	B1/1000		
BH (60°-80°)	191.1	1.4	B1/500		G1/500
BVH (80°-90°)	2.6	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



REPORT NUMBER: P940288

CATALOG NUMBER: GALN-SB3B-740-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5
2.5°	1874.3	1890.1	1893.1	1898.1	1898.1	1904.0	1913.9	1927.8	1950.6	1962.5
5°	1727.5	1739.4	1754.3	1766.2	1789.0	1792.0	1830.6	1868.3	1920.9	1960.5
7.5°	1579.7	1593.6	1613.5	1642.2	1672.0	1680.9	1739.4	1802.9	1886.2	1960.5
10°	1475.6	1476.6	1494.5	1523.2	1570.8	1581.7	1653.1	1743.4	1847.5	1948.6
12.5°	1417.1	1424.0	1432.0	1453.8	1499.4	1506.4	1582.7	1688.8	1808.8	1941.7
15°	1417.1	1422.1	1427.0	1437.9	1474.6	1480.6	1548.0	1654.1	1789.0	1944.7
17.5°	1432.0	1439.9	1435.9	1448.8	1487.5	1491.5	1551.0	1644.2	1788.0	1963.5
20°	1467.7	1473.6	1465.7	1473.6	1512.3	1520.2	1581.7	1663.0	1804.8	1996.2
22.5°	1524.2	1527.2	1508.3	1514.3	1554.0	1563.9	1635.3	1716.6	1845.5	2048.8
25°	1595.6	1601.6	1572.8	1579.7	1617.4	1629.3	1711.6	1796.9	1910.0	2121.2
27.5°	1677.9	1680.9	1656.1	1655.1	1703.7	1720.6	1803.9	1896.1	1996.2	2212.4
30°	1772.1	1781.0	1757.2	1753.3	1814.8	1828.6	1911.0	2018.1	2123.2	2349.3
32.5°	1846.5	1853.4	1839.6	1849.5	1911.9	1922.9	2040.9	2190.6	2322.5	2543.6
35°	1953.6	1957.6	1925.8	1943.7	2015.1	2042.8	2218.4	2432.6	2573.4	2787.6
37.5°	2341.3	2341.3	2206.5	2118.2	2186.6	2211.4	2461.3	2737.0	2882.8	3114.8
40°	2877.8	2868.9	2671.6	2491.1	2482.2	2530.8	2807.4	3120.8	3282.4	3507.5
42.5°	3450.0	3436.1	3167.4	2988.9	2959.2	2976.0	3207.1	3593.8	3758.4	3986.5
45°	3957.8	3953.8	3707.9	3467.9	3414.3	3467.9	3705.9	4147.2	4265.2	4505.2
47.5°	4383.2	4383.2	4203.7	4047.0	4019.3	4051.0	4381.2	4761.0	4750.1	5057.5
50°	4873.1	4869.1	4698.5	4631.1	4659.9	4704.5	5158.7	5407.6	5251.9	5600.0
52.5°	5216.2	5240.0	5181.5	5170.6	5317.4	5394.7	5948.1	6040.3	5701.1	6114.7
55°	5487.9	5515.7	5583.1	5659.5	5942.1	6043.3	6712.6	6640.2	6077.0	6560.9
57.5°	5872.7	5833.0	5937.1	6087.9	6545.0	6667.0	7453.4	7206.5	6379.4	6922.9
60°	6339.8	6345.7	6363.6	6554.0	7147.0	7303.7	8183.3	7742.0	6573.8	7145.0
62.5°	6901.1	6910.0	6946.7	7239.2	7955.2	8103.0	8960.8	8180.3	6663.1	7082.5
65°	6862.4	6900.1	7309.6	8310.2	9183.9	9329.7	9868.1	8487.7	6528.2	6511.3
67.5°	6251.5	6313.0	6998.2	9589.5	11036.3	11199.0	10964.9	8548.2	5946.1	5063.5
70°	5450.2	5472.1	6296.1	10739.8	13181.3	13345.9	11946.7	7882.8	4512.1	2824.3
72.5°	4256.3	4261.2	5228.1	11006.6	14345.6	14354.5	11176.2	5851.9	2426.6	1084.9
75°	3040.5	3010.7	3501.6	8926.1	12621.0	12722.2	8378.7	2745.0	927.2	512.7
77.5°	1630.3	1663.0	1981.4	5293.6	8718.8	8891.3	4571.6	791.4	472.0	349.1
80°	503.8	531.5	812.2	2423.7	4938.5	5042.7	1694.8	352.0	329.2	248.9
82.5°	158.7	164.6	378.8	1018.4	2049.8	2097.4	490.9	199.3	225.1	164.6
85°	45.6	46.6	168.6	379.8	506.7	516.7	137.8	77.4	128.9	102.1
87.5°	5.0	15.9	63.5	63.5	44.6	43.6	14.9	16.9	36.7	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940288
 CATALOG NUMBER: GALN-SB3B-740-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1961.5	0°	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5	1961.5
1970.5	2.5°	1965.5	1966.5	1953.6	1931.8	1908.0	1888.1	1863.4	1843.5	1829.6	1825.7
1988.3	5°	1979.4	1972.4	1935.7	1869.3	1790.0	1721.5	1645.2	1584.7	1545.0	1528.2
2007.1	7.5°	2000.2	1980.4	1900.0	1769.1	1617.4	1482.6	1345.7	1239.6	1172.2	1138.4
2025.0	10°	2018.1	1978.4	1840.5	1624.4	1392.3	1188.0	1003.6	875.6	804.2	770.5
2045.8	12.5°	2034.9	1977.4	1763.2	1452.8	1138.4	888.5	717.0	653.5	633.7	626.7
2079.5	15°	2066.6	1980.4	1666.0	1256.5	885.6	671.4	608.9	607.9	611.9	609.9
2131.1	17.5°	2110.3	1983.3	1555.9	1048.2	683.3	592.0	589.1	598.0	603.9	601.0
2195.6	20°	2166.8	1995.2	1438.9	841.9	587.1	572.2	579.1	587.1	592.0	587.1
2281.8	22.5°	2246.1	2016.1	1311.0	676.3	556.3	560.3	566.2	575.2	580.1	573.2
2391.9	25°	2343.3	2048.8	1185.0	588.1	541.5	546.4	555.3	565.3	571.2	564.3
2530.8	27.5°	2469.3	2101.4	1069.0	568.2	526.6	529.6	542.4	557.3	565.3	556.3
2728.1	30°	2651.7	2187.6	968.9	577.2	517.7	510.7	528.6	549.4	558.3	550.4
2996.8	32.5°	2893.7	2309.6	907.4	591.0	513.7	488.9	505.8	532.5	547.4	542.4
3347.9	35°	3211.0	2495.1	883.6	606.9	510.7	466.1	478.0	506.7	532.5	537.5
3790.2	37.5°	3595.8	2752.9	890.5	613.8	501.8	447.2	453.2	478.0	511.7	527.6
4288.0	40°	4033.1	3053.4	930.2	606.9	491.9	431.4	432.4	451.2	481.0	504.8
4823.5	42.5°	4484.3	3404.4	1003.6	581.1	482.9	417.5	414.5	427.4	447.2	464.1
5358.0	45°	4913.7	3765.4	1076.0	545.4	472.0	403.6	396.7	401.6	405.6	412.5
5878.6	47.5°	5288.6	4019.3	1055.1	512.7	457.2	387.7	375.8	373.9	362.0	361.0
6343.7	50°	5547.4	4074.8	937.1	480.0	435.3	369.9	351.1	339.2	318.3	308.4
6691.8	52.5°	5629.7	3855.6	765.6	447.2	399.6	346.1	319.3	300.5	274.7	265.8
6892.1	55°	5520.6	3426.2	611.9	407.6	350.1	314.4	284.6	259.8	239.0	228.1
6913.9	57.5°	5253.9	2879.8	483.9	361.0	297.5	278.7	248.9	224.1	206.3	195.4
6672.0	60°	4811.6	2286.8	382.8	305.4	253.9	240.0	209.2	193.4	177.5	164.6
6047.2	62.5°	4140.2	1632.3	300.5	242.0	212.2	196.4	178.5	166.6	147.8	129.9
4923.7	65°	3230.9	998.6	232.1	177.5	170.6	162.6	151.7	140.8	118.0	100.2
3212.0	67.5°	2037.9	473.0	165.6	133.9	134.9	130.9	125.9	117.0	100.2	84.3
1438.9	70°	897.5	229.1	109.1	102.1	100.2	100.2	104.1	101.2	85.3	70.4
499.8	72.5°	305.4	123.0	81.3	77.4	72.4	71.4	87.3	84.3	68.4	54.5
248.9	75°	159.7	82.3	59.5	55.5	43.6	52.6	69.4	65.5	48.6	35.7
164.6	77.5°	104.1	58.5	40.7	35.7	24.8	34.7	51.6	45.6	28.8	17.9
108.1	80°	65.5	38.7	23.8	16.9	11.9	18.8	27.8	19.8	10.9	4.0
63.5	82.5°	34.7	19.8	8.9	6.0	5.0	6.0	6.9	5.0	2.0	0.0
32.7	85°	13.9	6.9	3.0	2.0	1.0	0.0	2.0	1.0	0.0	0.0
6.0	87.5°	5.0	1.0	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>
1961.5
1832.6
1534.1
1143.4
771.5
624.8
608.9
600.0
586.1
572.2
563.3
556.3
549.4
542.4
537.5
531.5
512.7
471.0
416.5
360.0
309.4
264.8
228.1
193.4
161.6
126.9
97.2
82.3
67.4
51.6
32.7
15.9
3.0
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