

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: P942278

Luminaire Tested: **GALN-SB6A-950-U-T4FT-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942278  
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-SB6A-950-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

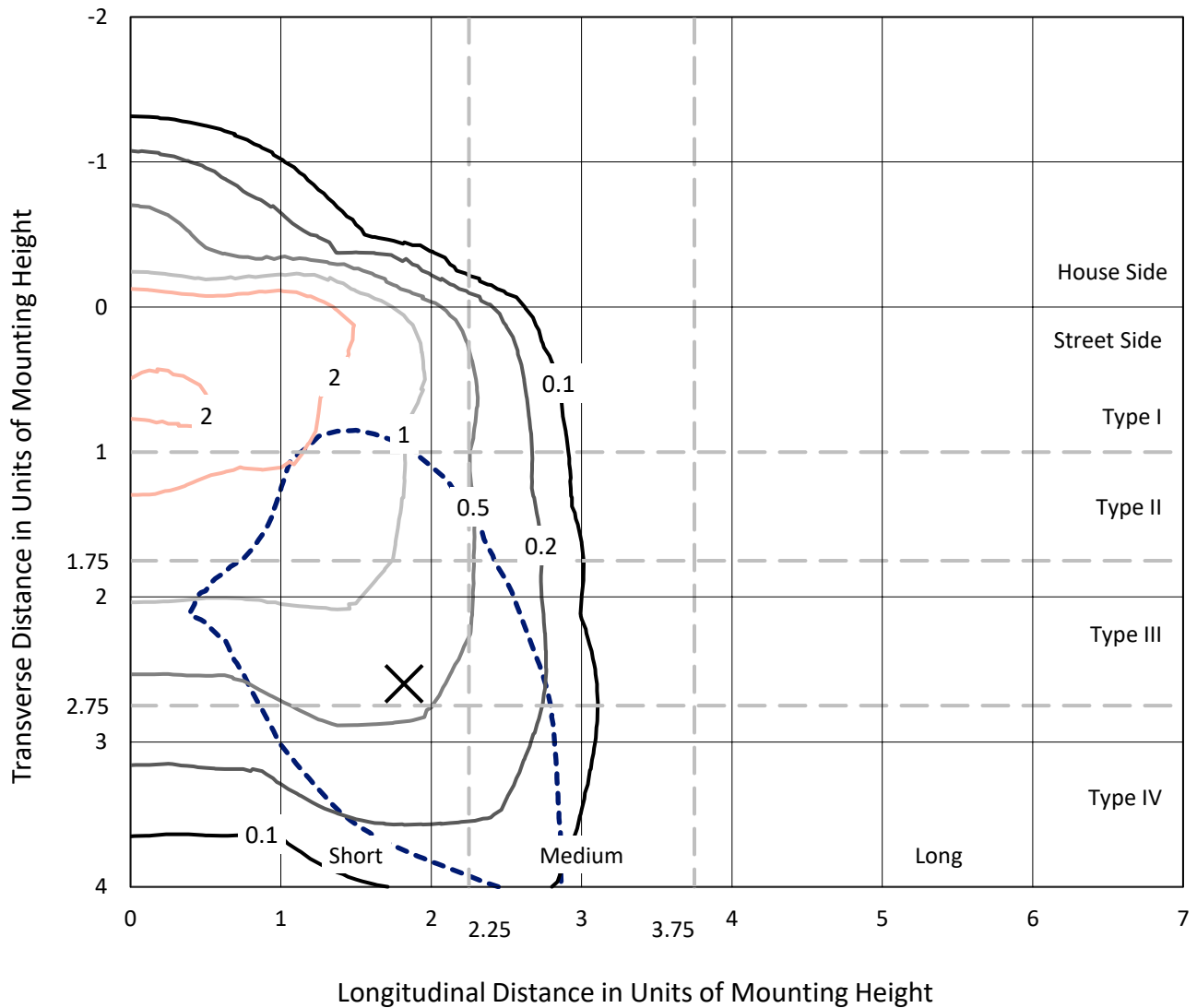
Lumens per Lamp: N/A  
Luminaire Lumens: 14328 lumens  
Efficiency: N/A  
Efficacy: 83.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

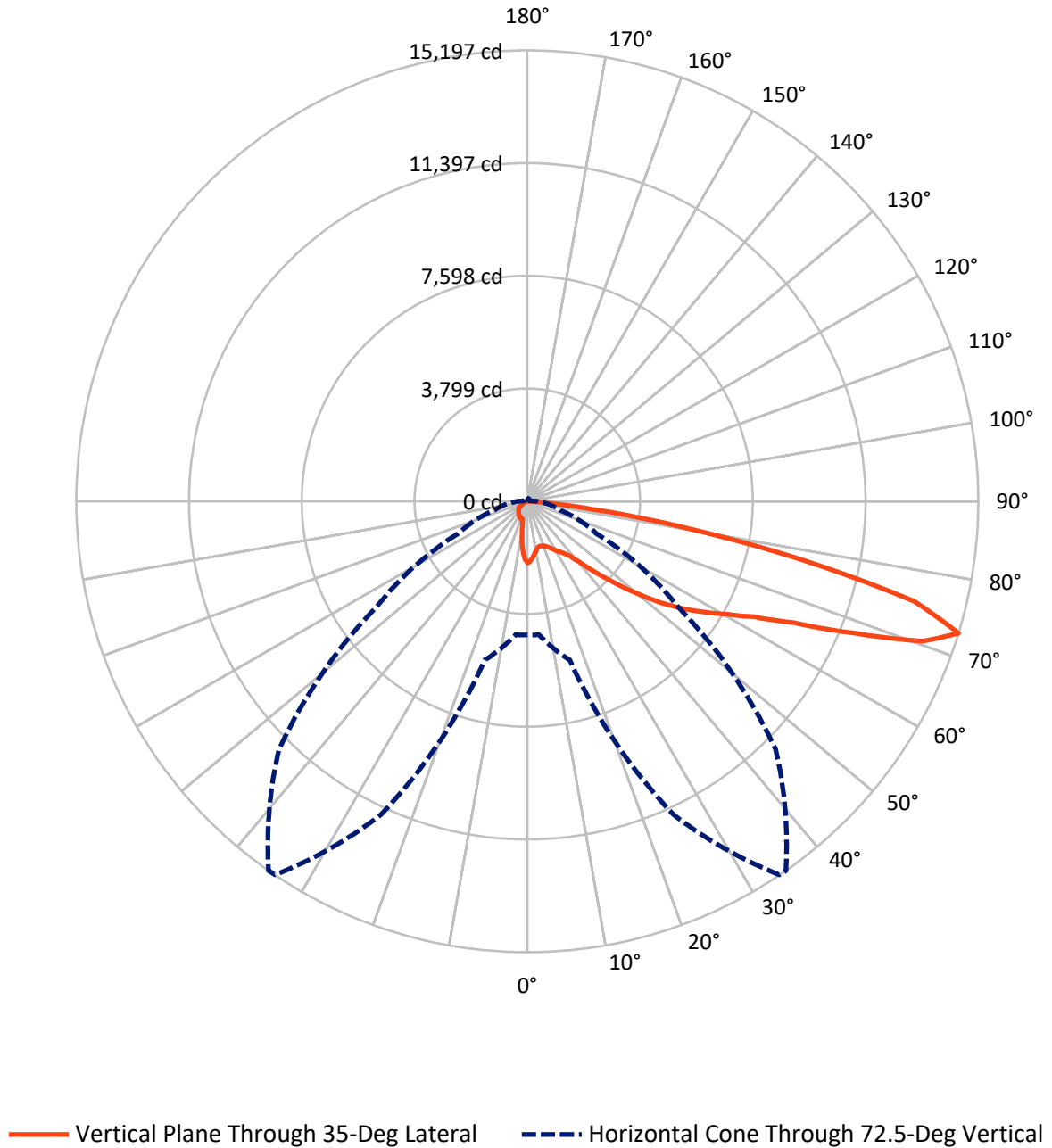
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 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	1612.5	0.0	1612.5
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	12715.4	0.0	12715.4
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	14328.0	0.0	14328.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.6	1.2
10°-20°	399.2	2.8
20°-30°	648.5	4.5
30°-40°	1082.0	7.6
40°-50°	2047.1	14.3
50°-60°	3252.9	22.7
60°-70°	4024.1	28.1
70°-80°	2501.4	17.5
80°-90°	202.1	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°	14328.0	100.0
0°-180°	14328.0	100.0

**Coefficient of Utilization**



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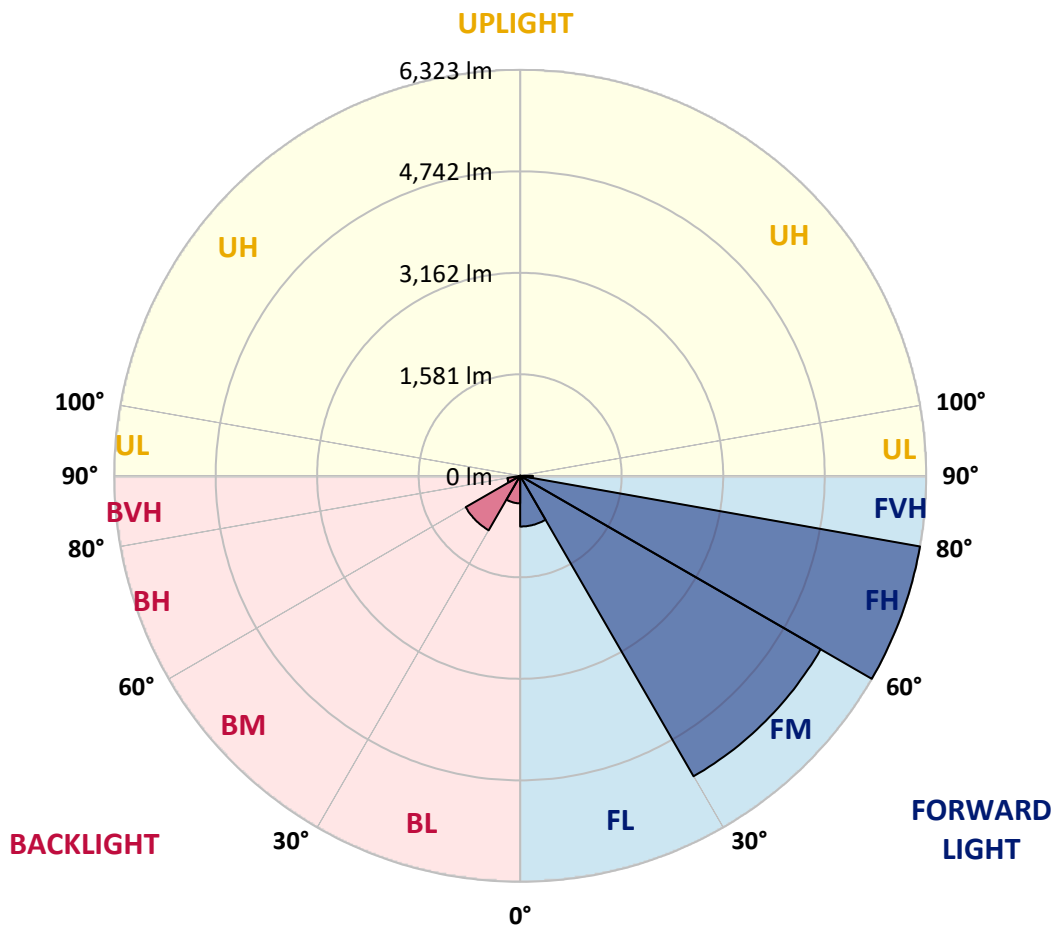
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	789.8	5.5			
FM (30°-60°)	5403.1	37.7			
FH (60°-80°)	6323.1	44.1			G3/7500
FVH (80°-90°)	199.4	1.4			G2/225
BL (0°-30°)	428.5	3.0	B1/500		
BM (30°-60°)	979.0	6.8	B1/1000		
BH (60°-80°)	202.3	1.4	B1/500		G1/500
BVH (80°-90°)	2.7	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°	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6
2.5°	1984.2	2001.0	2004.2	2009.4	2009.4	2015.7	2026.2	2040.9	2065.1	2077.7
5°	1828.8	1841.4	1857.2	1869.8	1893.9	1897.1	1938.0	1977.9	2033.6	2075.6
7.5°	1672.4	1687.1	1708.1	1738.6	1770.1	1779.5	1841.4	1908.6	1996.8	2075.6
10°	1562.2	1563.2	1582.1	1612.6	1663.0	1674.5	1750.1	1845.6	1955.9	2063.0
12.5°	1500.2	1507.6	1516.0	1539.1	1587.4	1594.7	1675.6	1787.9	1914.9	2055.6
15°	1500.2	1505.5	1510.7	1522.3	1561.1	1567.4	1638.8	1751.2	1893.9	2058.8
17.5°	1516.0	1524.4	1520.2	1533.8	1574.8	1579.0	1642.0	1740.7	1892.9	2078.7
20°	1553.8	1560.1	1551.7	1560.1	1601.0	1609.4	1674.5	1760.6	1910.7	2113.4
22.5°	1613.6	1616.8	1596.8	1603.1	1645.1	1655.6	1731.2	1817.3	1953.8	2169.0
25°	1689.2	1695.5	1665.1	1672.4	1712.3	1724.9	1812.0	1902.3	2022.0	2245.6
27.5°	1776.3	1779.5	1753.3	1752.2	1803.6	1821.5	1909.7	2007.3	2113.4	2342.2
30°	1876.1	1885.5	1860.3	1856.1	1921.2	1935.9	2023.1	2136.4	2247.7	2487.1
32.5°	1954.8	1962.2	1947.5	1958.0	2024.1	2035.7	2160.6	2319.1	2458.8	2692.9
35°	2068.2	2072.4	2038.8	2057.7	2133.3	2162.7	2348.5	2575.3	2724.4	2951.1
37.5°	2478.7	2478.7	2335.9	2242.5	2314.9	2341.2	2605.7	2897.6	3051.9	3297.6
40°	3046.7	3037.2	2828.3	2637.2	2627.8	2679.2	2972.1	3303.9	3475.0	3713.3
42.5°	3652.4	3637.7	3353.2	3164.3	3132.8	3150.6	3395.2	3804.7	3978.9	4220.4
45°	4190.0	4185.8	3925.4	3671.3	3614.6	3671.3	3923.3	4390.5	4515.4	4769.5
47.5°	4640.3	4640.3	4450.3	4284.4	4255.1	4288.6	4638.2	5040.3	5028.8	5354.2
50°	5159.0	5154.8	4974.2	4902.8	4933.3	4980.5	5461.3	5724.8	5560.0	5928.5
52.5°	5522.2	5547.4	5485.5	5473.9	5629.3	5711.2	6297.0	6394.6	6035.6	6473.4
55°	5809.9	5839.3	5910.7	5991.5	6290.7	6397.8	7106.4	7029.8	6433.5	6945.8
57.5°	6217.2	6175.2	6285.5	6445.0	6929.0	7058.2	7890.7	7629.3	6753.7	7329.0
60°	6711.7	6718.0	6736.9	6938.5	7566.3	7732.2	8663.4	8196.2	6959.5	7564.2
62.5°	7305.9	7315.4	7354.2	7663.9	8421.9	8578.3	9486.5	8660.2	7054.0	7498.0
65°	7265.0	7304.9	7738.5	8797.8	9722.7	9877.0	10447.1	8985.7	6911.2	6893.3
67.5°	6618.3	6683.4	7408.8	10152.1	11683.8	11856.0	11608.2	9049.7	6294.9	5360.5
70°	5770.0	5793.1	6665.5	11369.9	13954.6	14128.9	12647.6	8345.3	4776.8	2990.0
72.5°	4506.0	4511.2	5534.8	11652.3	15187.2	15196.6	11831.8	6195.2	2569.0	1148.5
75°	3218.8	3187.4	3707.0	9449.7	13361.5	13468.6	8870.2	2906.0	981.6	542.8
77.5°	1726.0	1760.6	2097.6	5604.1	9230.3	9413.0	4839.8	837.8	499.7	369.5
80°	533.3	562.7	859.8	2565.8	5228.3	5338.5	1794.2	372.7	348.6	263.5
82.5°	168.0	174.3	401.0	1078.2	2170.0	2220.4	519.7	211.0	238.3	174.3
85°	48.3	49.3	178.5	402.1	536.5	547.0	145.9	81.9	136.5	108.1
87.5°	5.2	16.8	67.2	67.2	47.2	46.2	15.7	17.8	38.8	13.6
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°
2076.6	0°	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6	2076.6
2086.1	2.5°	2080.8	2081.9	2068.2	2045.1	2019.9	1998.9	1972.7	1951.7	1937.0	1932.8
2105.0	5°	2095.5	2088.2	2049.3	1979.0	1895.0	1822.5	1741.7	1677.7	1635.7	1617.8
2124.9	7.5°	2117.6	2096.6	2011.5	1872.9	1712.3	1569.5	1424.6	1312.3	1240.9	1205.2
2143.8	10°	2136.4	2094.5	1948.5	1719.7	1474.0	1257.7	1062.5	927.0	851.4	815.7
2165.8	12.5°	2154.3	2093.4	1866.6	1538.0	1205.2	940.7	759.0	691.9	670.9	663.5
2201.5	15°	2187.9	2096.6	1763.8	1330.2	937.5	710.7	644.6	643.6	647.8	645.7
2256.1	17.5°	2234.1	2099.7	1647.2	1109.7	723.3	626.8	623.6	633.1	639.4	636.2
2324.4	20°	2293.9	2112.3	1523.3	891.3	621.5	605.8	613.1	621.5	626.8	621.5
2415.7	22.5°	2377.9	2134.3	1387.9	716.0	589.0	593.2	599.5	608.9	614.2	606.8
2532.2	25°	2480.8	2169.0	1254.6	622.6	573.2	578.5	587.9	598.4	604.7	597.4
2679.2	27.5°	2614.1	2224.6	1131.7	601.6	557.5	560.6	574.3	590.0	598.4	589.0
2888.1	30°	2807.3	2316.0	1025.7	611.0	548.0	540.7	559.6	581.6	591.1	582.7
3172.7	32.5°	3063.5	2445.1	960.6	625.7	543.8	517.6	535.4	563.8	579.5	574.3
3544.3	35°	3399.4	2641.4	935.4	642.5	540.7	493.4	506.0	536.5	563.8	569.0
4012.5	37.5°	3806.8	2914.4	942.8	649.9	531.2	473.5	479.8	506.0	541.7	558.5
4539.6	40°	4269.7	3232.5	984.8	642.5	520.7	456.7	457.7	477.7	509.2	534.4
5106.5	42.5°	4747.4	3604.1	1062.5	615.2	511.3	442.0	438.8	452.5	473.5	491.3
5672.4	45°	5202.0	3986.3	1139.1	577.4	499.7	427.3	419.9	425.2	429.4	436.7
6223.5	47.5°	5598.9	4255.1	1117.0	542.8	484.0	410.5	397.9	395.8	383.2	382.1
6715.9	50°	5872.9	4313.8	992.1	508.1	460.9	391.6	371.6	359.0	337.0	326.5
7084.4	52.5°	5960.0	4081.8	810.5	473.5	423.1	366.4	338.1	318.1	290.8	281.4
7296.5	55°	5844.5	3627.2	647.8	431.5	370.6	332.8	301.3	275.1	253.0	241.5
7319.6	57.5°	5562.1	3048.8	512.3	382.1	315.0	295.0	263.5	237.3	218.4	206.8
7063.4	60°	5093.9	2421.0	405.2	323.4	268.8	254.1	221.5	204.7	187.9	174.3
6402.0	62.5°	4383.1	1728.1	318.1	256.2	224.7	207.9	189.0	176.4	156.4	137.5
5212.5	65°	3420.4	1057.2	245.7	187.9	180.6	172.2	160.6	149.1	124.9	106.0
3400.5	67.5°	2157.4	500.8	175.3	141.7	142.8	138.6	133.3	123.9	106.0	89.2
1523.3	70°	950.1	242.5	115.5	108.1	106.0	106.0	110.2	107.1	90.3	74.5
529.1	72.5°	323.4	130.2	86.1	81.9	76.6	75.6	92.4	89.2	72.4	57.7
263.5	75°	169.0	87.1	63.0	58.8	46.2	55.6	73.5	69.3	51.4	37.8
174.3	77.5°	110.2	61.9	43.0	37.8	26.2	36.7	54.6	48.3	30.4	18.9
114.4	80°	69.3	40.9	25.2	17.8	12.6	19.9	29.4	21.0	11.5	4.2
67.2	82.5°	36.7	21.0	9.4	6.3	5.2	6.3	7.3	5.2	2.1	0.0
34.6	85°	14.7	7.3	3.1	2.1	1.0	0.0	2.1	1.0	0.0	0.0
6.3	87.5°	5.2	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

180°
2076.6
1940.1
1624.1
1210.5
816.8
661.4
644.6
635.2
620.5
605.8
596.3
589.0
581.6
574.3
569.0
562.7
542.8
498.7
440.9
381.1
327.6
280.3
241.5
204.7
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