

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: P952241

Luminaire Tested: **GALN-SB6A-927-U-T4W-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952241  
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-SB6A-927-U-T4W-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

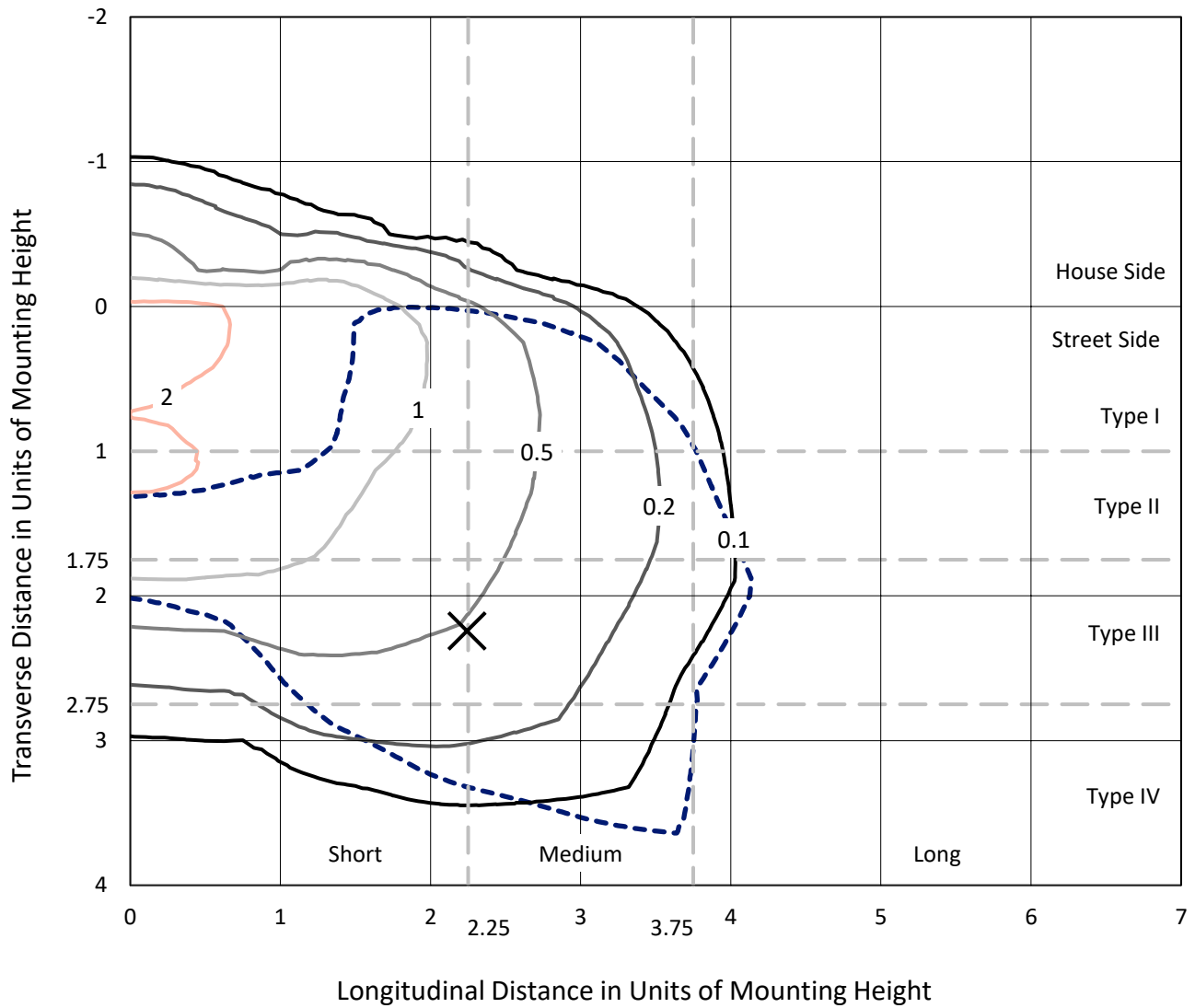
Lumens per Lamp: N/A  
Luminaire Lumens: 12754 lumens  
Efficiency: N/A  
Efficacy: 74.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3  
  
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

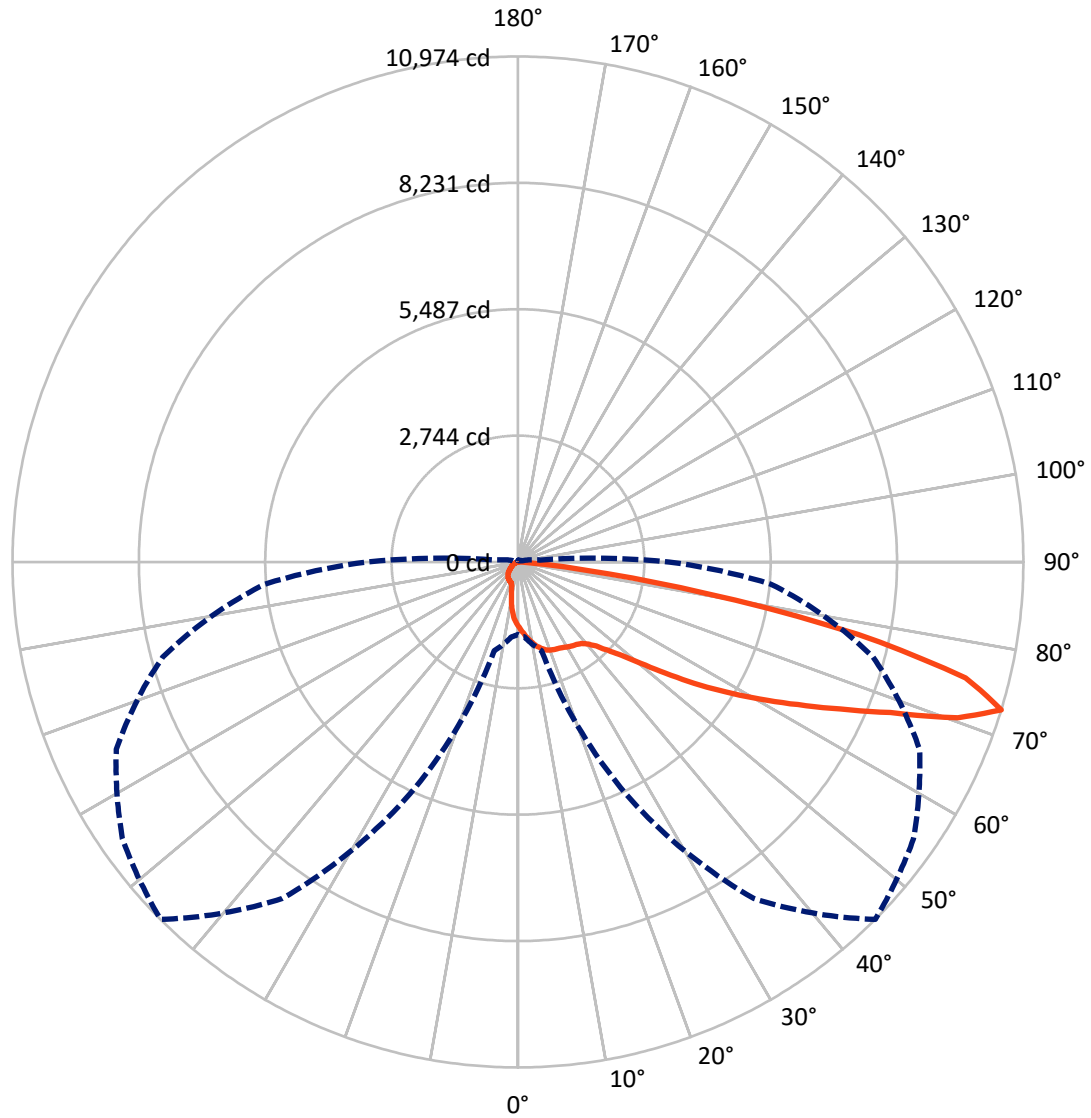
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 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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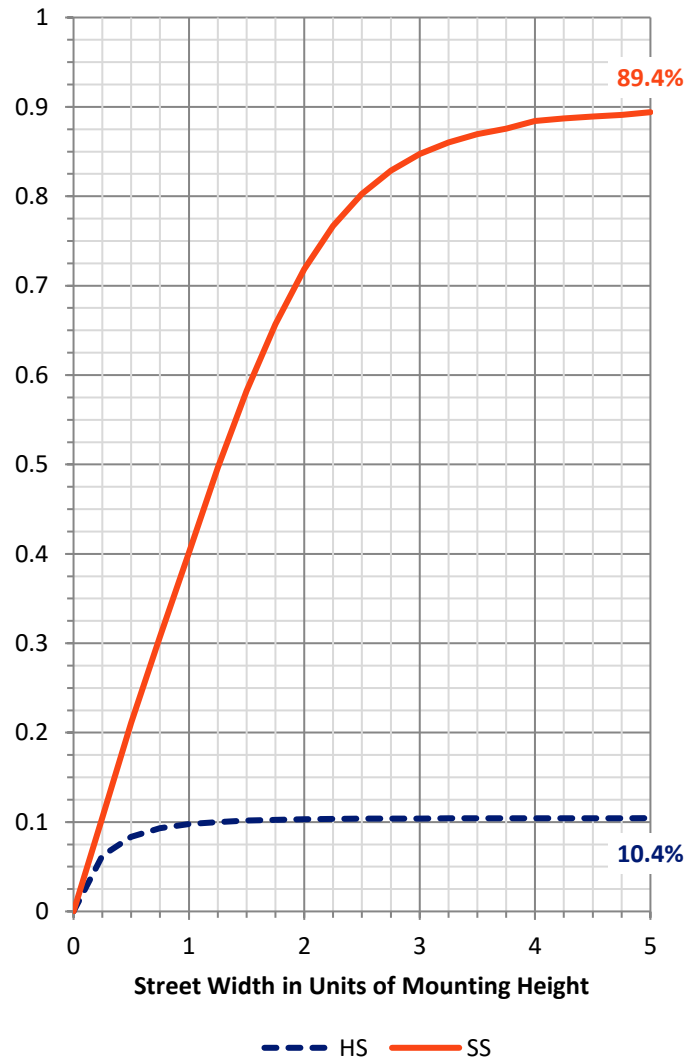
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1340.1	0.0	1340.1
	% Fixture	10.5	0.0	10.5
<b>Street Side</b>	Lumens	11413.9	0.0	11413.9
	% Fixture	89.5	0.0	89.5
<b>Total</b>	Lumens	12754.0	0.0	12754.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.6	1.0
10°-20°	384.7	3.0
20°-30°	631.8	5.0
30°-40°	896.1	7.0
40°-50°	1481.1	11.6
50°-60°	2660.6	20.9
60°-70°	3694.4	29.0
70°-80°	2679.8	21.0
80°-90°	193.7	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°	12754.0	100.0
0°-180°	12754.0	100.0

**Coefficient of Utilization**



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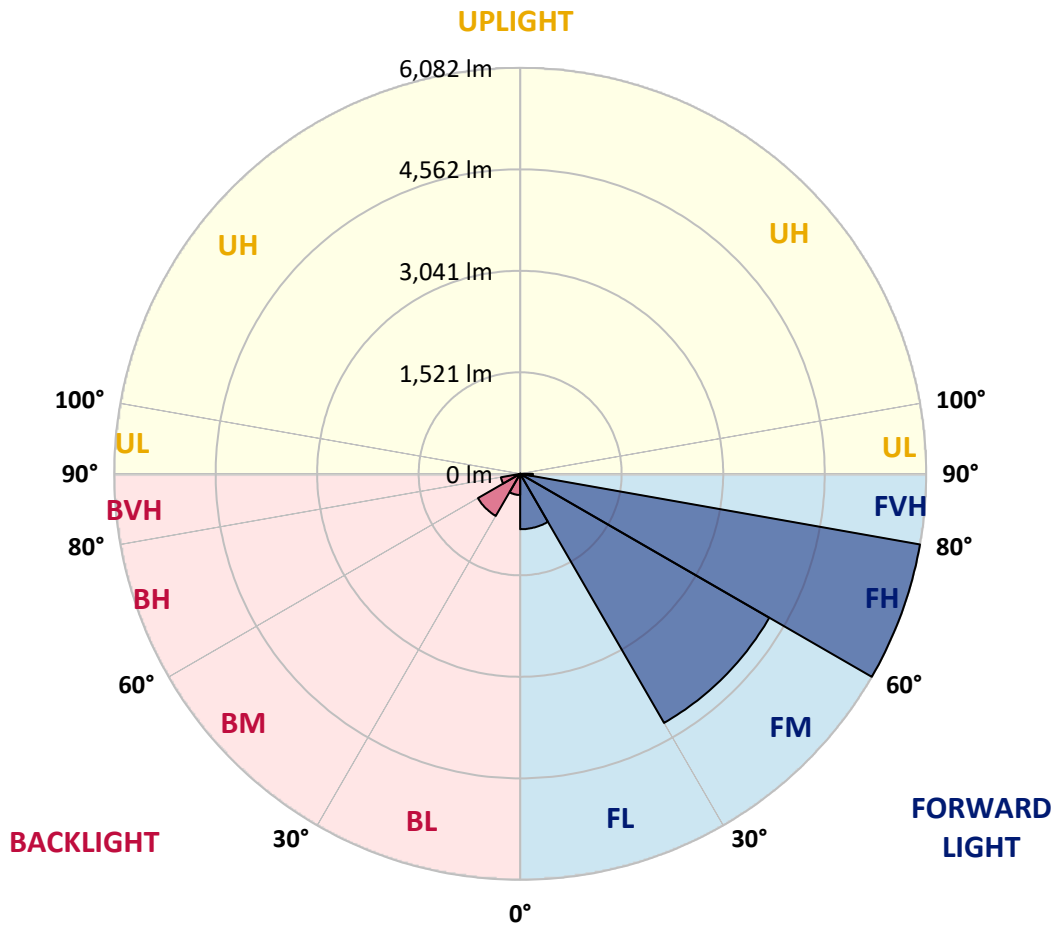
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	830.8	6.5			
FM (30°-60°)	4309.0	33.8			
FH (60°-80°)	6082.0	47.7			G3/7500
FVH (80°-90°)	192.1	1.5			G2/225
BL (0°-30°)	317.4	2.5	B1/500		
BM (30°-60°)	728.8	5.7	B1/1000		
BH (60°-80°)	292.2	2.3	B1/500		G1/500
BVH (80°-90°)	1.6	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2
2.5°	1526.1	1528.7	1526.9	1516.5	1499.1	1489.5	1484.3	1466.9	1455.6	1435.5
5°	1666.2	1676.7	1670.6	1649.7	1616.6	1593.1	1586.1	1550.4	1518.2	1480.8
7.5°	1815.1	1820.3	1809.0	1782.0	1737.6	1697.6	1691.5	1641.9	1590.5	1533.0
10°	1943.9	1950.0	1932.6	1893.4	1842.9	1793.3	1784.6	1729.8	1668.8	1598.3
12.5°	2051.9	2058.0	2035.3	1988.3	1932.6	1881.3	1872.5	1815.1	1748.1	1669.7
15°	2133.7	2145.0	2114.6	2064.1	2004.0	1952.6	1948.3	1891.7	1826.4	1739.4
17.5°	2181.6	2192.9	2164.2	2103.2	2051.9	2008.4	2003.1	1956.1	1895.2	1811.6
20°	2189.4	2199.9	2169.4	2116.3	2073.6	2038.8	2036.2	2002.3	1957.9	1877.8
22.5°	2165.9	2179.0	2151.1	2108.5	2078.9	2060.6	2057.1	2038.0	2012.7	1944.8
25°	2141.5	2152.0	2131.1	2093.7	2078.0	2076.3	2078.9	2075.4	2070.2	2012.7
27.5°	2139.8	2151.1	2127.6	2091.9	2083.2	2101.5	2104.1	2120.7	2125.0	2074.5
30°	2154.6	2162.4	2139.8	2102.4	2098.0	2139.8	2140.7	2170.3	2177.2	2126.7
32.5°	2186.8	2195.5	2172.9	2118.0	2111.9	2170.3	2172.9	2212.1	2223.4	2182.5
35°	2262.6	2273.0	2246.9	2161.6	2139.8	2199.0	2206.8	2253.0	2275.6	2241.7
37.5°	2451.5	2421.0	2385.3	2249.5	2203.4	2244.3	2257.3	2311.3	2351.3	2312.2
40°	2920.7	2824.9	2713.5	2399.2	2314.8	2340.9	2351.3	2405.3	2460.2	2421.9
42.5°	3625.0	3511.8	3332.5	2744.0	2482.8	2495.9	2503.7	2550.7	2628.2	2597.7
45°	4252.6	4211.7	4028.9	3332.5	2797.1	2732.6	2742.2	2766.6	2880.6	2869.3
47.5°	4734.9	4711.4	4570.4	4008.0	3328.1	3022.5	3049.5	3060.8	3225.4	3265.4
50°	5105.8	5097.1	4970.8	4608.7	4021.9	3450.0	3459.6	3435.2	3681.5	3780.8
52.5°	5455.7	5485.3	5392.2	5166.7	4762.8	4009.7	4008.0	3893.1	4225.6	4375.4
55°	5771.7	5782.2	5791.7	5736.0	5508.0	4647.0	4630.4	4442.4	4856.8	5011.7
57.5°	6068.6	6072.9	6158.2	6272.3	6283.6	5331.2	5300.8	5075.3	5546.3	5656.8
60°	6267.9	6288.0	6468.2	6785.0	6923.5	6037.2	6020.7	5790.9	6247.9	6299.3
62.5°	5980.7	6102.5	6557.0	7185.5	7527.6	6819.9	6812.0	6596.1	6986.1	6944.4
65°	4841.1	5047.4	5846.6	7456.2	8120.5	7693.9	7705.2	7475.4	7744.4	7608.6
67.5°	3386.4	3604.1	4549.5	7478.0	8782.9	8720.3	8785.6	8425.2	8549.6	8245.0
70°	2341.8	2454.1	3069.5	7009.6	9299.2	10134.0	10132.3	9591.7	9350.5	8534.8
72.5°	1574.8	1633.1	1993.6	5561.1	8919.6	10974.1	10923.6	10483.1	9620.4	7982.0
75°	664.2	706.9	922.8	3125.3	7056.7	10040.0	9903.3	9264.4	8547.9	6285.3
77.5°	210.7	229.0	363.9	1118.7	3887.0	7546.8	7402.3	5785.7	5729.1	3153.1
80°	100.1	116.7	204.6	449.2	1529.6	4104.6	4084.6	2624.7	2464.5	851.4
82.5°	43.5	51.4	113.2	240.3	684.2	1464.3	1493.9	893.2	739.1	323.0
85°	13.9	18.3	52.2	110.6	289.0	363.9	359.5	212.4	297.7	175.9
87.5°	0.0	0.0	17.4	25.2	29.6	20.9	23.5	18.3	82.7	48.8
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°
1397.2	0°	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2	1397.2
1414.6	2.5°	1404.2	1390.3	1365.9	1343.3	1323.2	1303.2	1291.0	1273.6	1271.9	1271.9
1437.3	5°	1413.8	1391.1	1347.6	1301.5	1248.4	1197.9	1147.4	1098.6	1083.0	1071.6
1473.8	7.5°	1441.6	1405.9	1337.2	1249.2	1148.3	1037.7	960.2	876.6	844.4	827.0
1522.6	10°	1481.7	1432.9	1328.5	1174.4	1010.7	860.1	749.5	659.0	624.2	609.4
1575.7	12.5°	1526.1	1466.0	1312.8	1081.2	860.1	679.9	571.9	530.2	524.9	524.9
1639.2	15°	1579.2	1506.0	1285.8	971.5	702.5	538.0	499.7	501.4	506.7	510.1
1701.0	17.5°	1634.0	1548.7	1243.1	848.8	563.2	484.0	484.9	487.5	491.9	495.3
1768.1	20°	1693.2	1591.4	1186.6	718.2	483.2	468.4	471.0	473.6	477.1	478.8
1830.8	22.5°	1756.8	1631.4	1119.5	590.2	456.2	455.3	456.2	458.8	463.1	463.1
1903.9	25°	1824.7	1675.8	1042.9	497.1	442.2	442.2	444.0	445.7	449.2	449.2
1974.4	27.5°	1894.3	1716.7	962.0	448.3	430.1	429.2	429.2	431.8	433.5	434.4
2044.0	30°	1970.9	1764.6	881.0	437.9	420.5	416.1	413.5	415.3	417.0	417.9
2117.2	32.5°	2049.3	1810.7	808.7	442.2	410.9	403.1	394.4	392.6	392.6	396.1
2192.9	35°	2136.3	1861.2	753.0	457.0	405.7	383.9	370.0	362.1	363.0	368.2
2283.4	37.5°	2240.8	1922.2	712.1	470.1	402.2	362.1	339.5	329.9	323.8	329.9
2407.9	40°	2377.5	2011.8	682.5	480.5	397.8	336.9	306.4	290.8	279.4	282.9
2601.2	42.5°	2578.6	2152.9	671.2	481.4	388.3	307.3	272.5	251.6	235.0	235.9
2892.0	45°	2860.6	2375.7	729.5	470.1	367.4	275.1	236.8	208.9	198.5	195.9
3326.4	47.5°	3247.1	2700.4	864.5	446.6	336.9	243.8	202.0	178.5	170.6	166.3
3896.6	50°	3765.1	3117.4	1014.2	420.5	306.4	214.2	173.2	158.4	153.2	148.9
4573.0	52.5°	4365.8	3540.5	1136.9	394.4	276.0	188.0	155.0	146.3	141.9	138.4
5225.9	55°	4916.8	3832.1	1130.0	366.5	246.4	167.1	141.9	136.7	131.5	128.0
5788.3	57.5°	5259.8	3873.1	931.5	336.0	212.4	150.6	129.7	126.2	120.1	115.8
6274.9	60°	5417.4	3639.8	652.9	296.0	178.5	134.9	116.7	114.9	107.1	101.0
6735.4	62.5°	5446.1	3206.2	435.3	246.4	148.9	120.1	103.6	101.0	90.5	80.1
7109.8	65°	5329.5	2586.4	301.2	192.4	127.1	104.5	88.8	83.6	72.3	61.8
7198.6	67.5°	4960.4	1816.0	209.8	138.4	107.9	82.7	70.5	68.8	60.1	51.4
6745.9	70°	4284.0	1035.1	140.2	103.6	85.3	56.6	55.7	57.5	48.8	41.8
5511.4	72.5°	3284.6	473.6	87.1	75.7	58.3	38.3	44.4	45.3	37.4	31.3
3438.7	75°	1933.5	202.8	54.8	48.8	29.6	25.2	32.2	33.1	25.2	20.0
1257.1	77.5°	658.1	76.6	34.8	28.7	14.8	13.9	20.9	20.9	13.9	7.8
252.5	80°	149.7	28.7	17.4	11.3	7.0	6.1	7.0	6.1	3.5	0.9
77.5	82.5°	42.7	11.3	7.0	4.4	2.6	2.6	0.9	0.0	0.0	0.0
27.0	85°	12.2	5.2	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0
9.6	87.5°	5.2	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

180°
1397.2
1276.2
1076.9
829.6
609.4
524.9
510.1
495.3
479.7
464.9
450.1
435.3
419.6
398.7
370.9
328.2
281.2
232.4
192.4
163.7
148.0
137.5
126.2
114.9
99.2
74.9
58.3
48.8
38.3
27.9
17.4
6.1
0.0
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