

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: P952325

Luminaire Tested: **GALN-SB6A-950-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952325
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-950-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 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: 14576 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

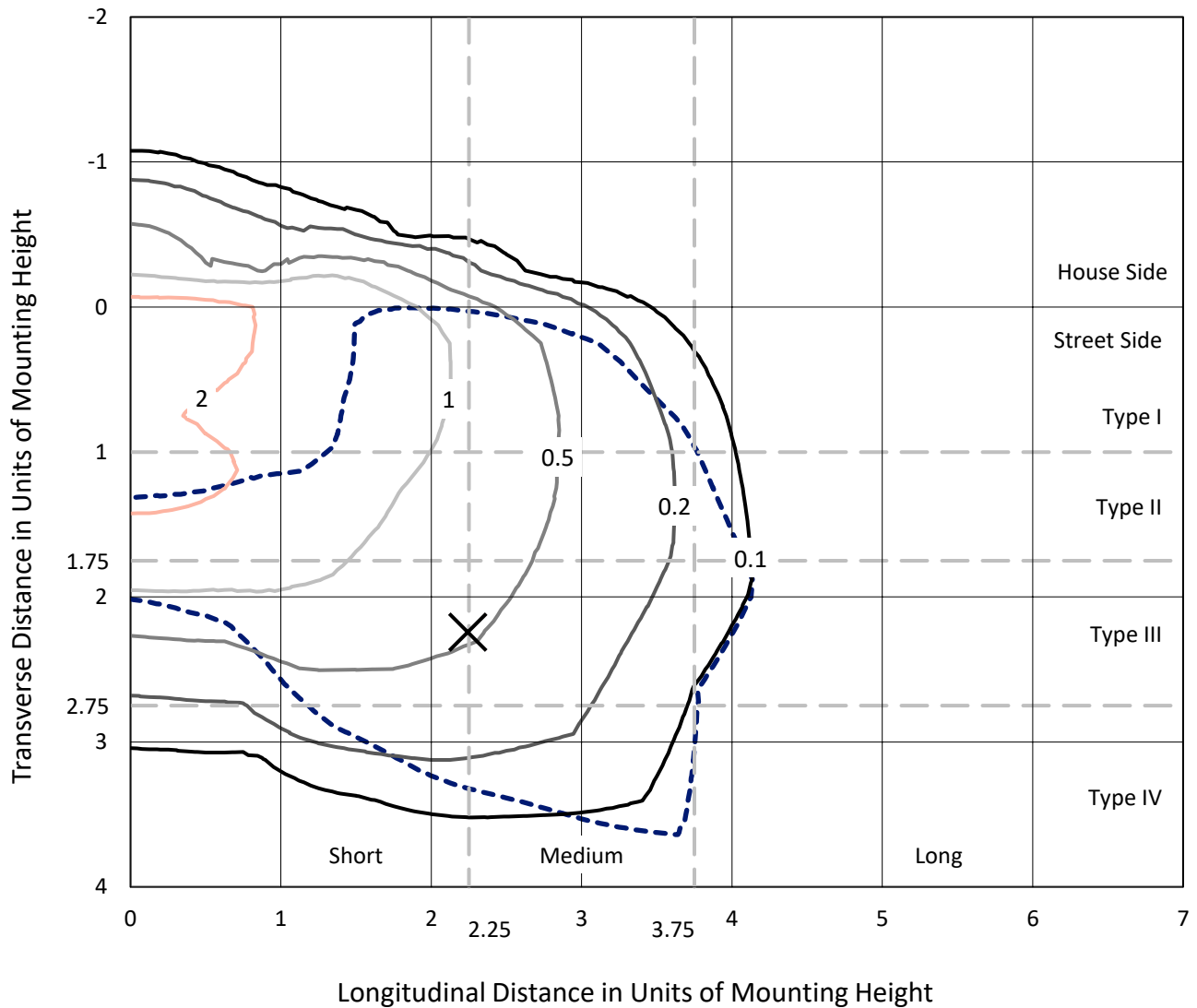
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

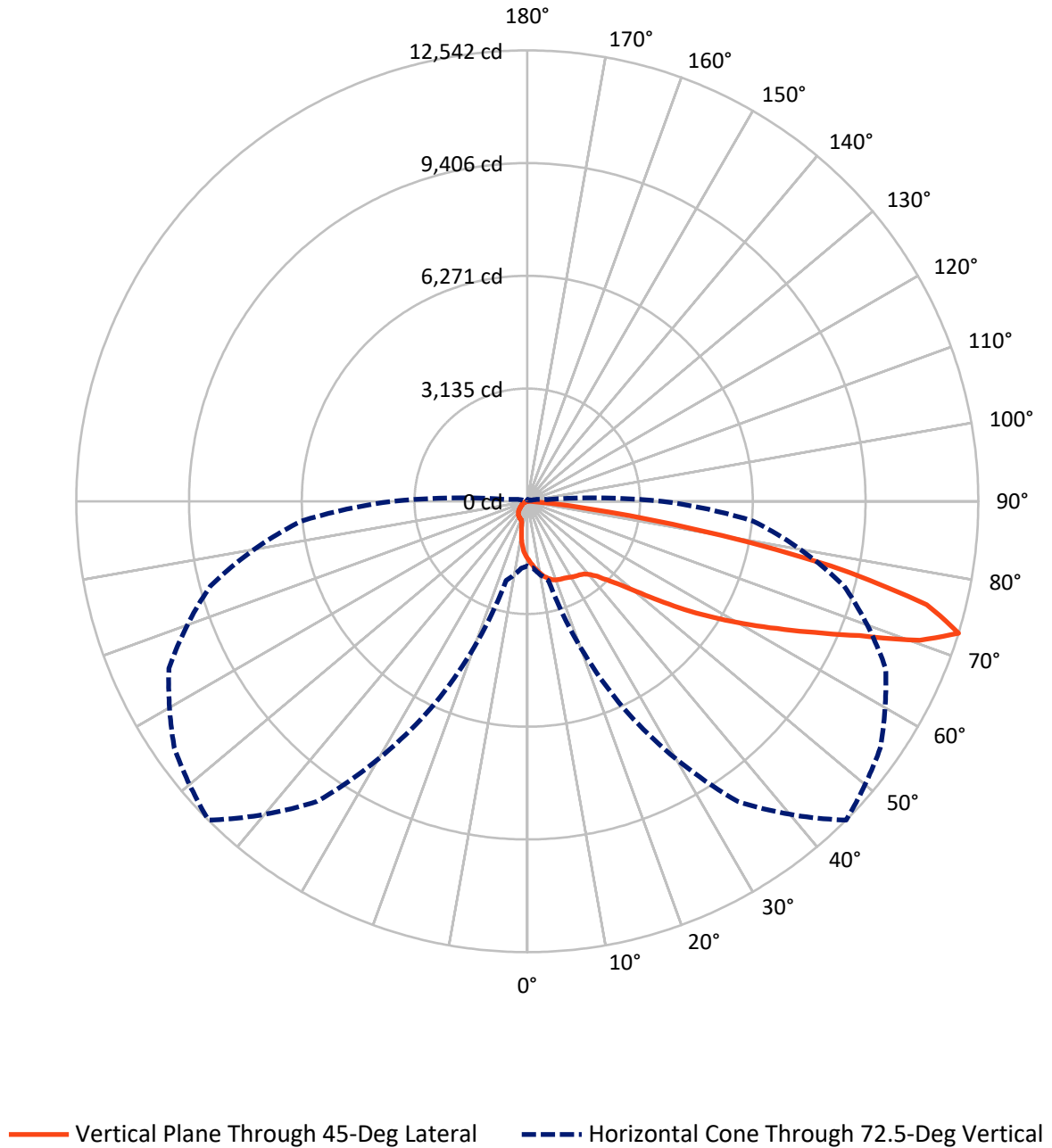
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1531.5	0.0	1531.5
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	13044.5	0.0	13044.5
	% Fixture	89.5	0.0	89.5
Total	Lumens	14576.0	0.0	14576.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.5	1.0
10°-20°	439.7	3.0
20°-30°	722.1	5.0
30°-40°	1024.1	7.0
40°-50°	1692.7	11.6
50°-60°	3040.7	20.9
60°-70°	4222.2	29.0
70°-80°	3062.7	21.0
80°-90°	221.4	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°	14576.0	100.0
0°-180°	14576.0	100.0



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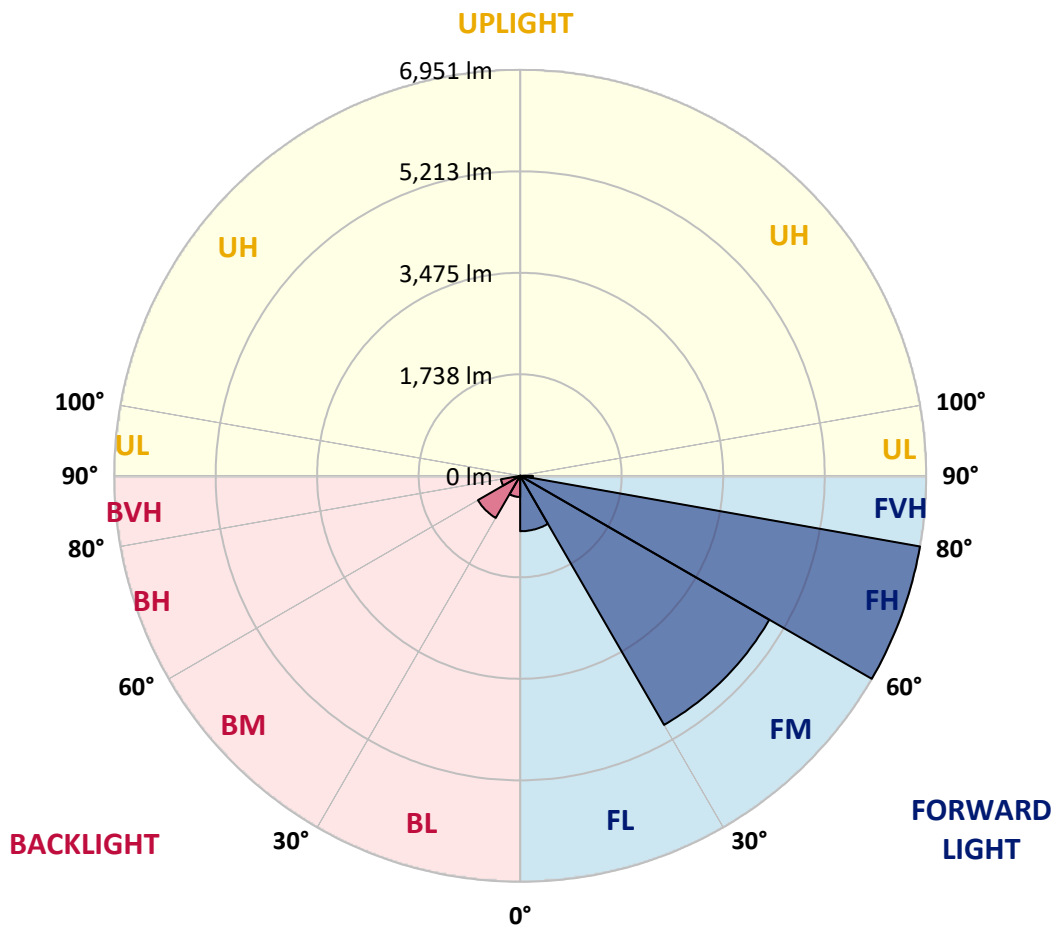
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	949.5	6.5			
FM (30°-60°)	4924.5	33.8			
FH (60°-80°)	6950.9	47.7			G3/7500
FVH (80°-90°)	219.6	1.5			G2/225
BL (0°-30°)	362.8	2.5	B1/500		
BM (30°-60°)	832.9	5.7	B1/1000		
BH (60°-80°)	334.0	2.3	B1/500		G1/500
BVH (80°-90°)	1.9	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°	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8
2.5°	1744.1	1747.1	1745.1	1733.1	1713.2	1702.3	1696.3	1676.4	1663.5	1640.6
5°	1904.3	1916.2	1909.2	1885.4	1847.5	1820.7	1812.7	1771.9	1735.1	1692.3
7.5°	2074.4	2080.4	2067.4	2036.6	1985.8	1940.1	1933.1	1876.4	1817.7	1752.0
10°	2221.6	2228.6	2208.7	2163.9	2106.2	2049.5	2039.6	1976.9	1907.2	1826.7
12.5°	2345.0	2352.0	2326.1	2272.4	2208.7	2150.0	2140.1	2074.4	1997.8	1908.2
15°	2438.5	2451.5	2416.6	2358.9	2290.3	2231.6	2226.6	2161.9	2087.3	1987.8
17.5°	2493.2	2506.2	2473.3	2403.7	2345.0	2295.3	2289.3	2235.6	2165.9	2070.4
20°	2502.2	2514.1	2479.3	2418.6	2369.9	2330.1	2327.1	2288.3	2237.6	2146.0
22.5°	2475.3	2490.3	2458.4	2409.7	2375.8	2355.0	2351.0	2329.1	2300.2	2222.6
25°	2447.5	2459.4	2435.5	2392.8	2374.9	2372.9	2375.8	2371.9	2365.9	2300.2
27.5°	2445.5	2458.4	2431.6	2390.8	2380.8	2401.7	2404.7	2423.6	2428.6	2370.9
30°	2462.4	2471.4	2445.5	2402.7	2397.7	2445.5	2446.5	2480.3	2488.3	2430.6
32.5°	2499.2	2509.2	2483.3	2420.6	2413.7	2480.3	2483.3	2528.1	2541.0	2494.2
35°	2585.8	2597.7	2567.9	2470.4	2445.5	2513.1	2522.1	2574.8	2600.7	2561.9
37.5°	2801.7	2766.8	2726.1	2570.8	2518.1	2564.9	2579.8	2641.5	2687.3	2642.5
40°	3337.9	3228.5	3101.1	2742.0	2645.5	2675.3	2687.3	2748.9	2811.6	2767.8
42.5°	4142.8	4013.5	3808.5	3136.0	2837.5	2852.4	2861.4	2915.1	3003.6	2968.8
45°	4860.1	4813.4	4604.4	3808.5	3196.6	3123.0	3134.0	3161.8	3292.2	3279.2
47.5°	5411.3	5384.5	5223.3	4580.6	3803.5	3454.3	3485.2	3498.1	3686.1	3731.9
50°	5835.2	5825.2	5680.9	5267.1	4596.5	3942.8	3953.8	3925.9	4207.5	4320.9
52.5°	6235.1	6268.9	6162.5	5904.8	5443.2	4582.6	4580.6	4449.2	4829.3	5000.4
55°	6596.3	6608.2	6619.1	6555.5	6294.8	5310.8	5291.9	5077.0	5550.6	5727.7
57.5°	6935.5	6940.5	7038.0	7168.3	7181.3	6092.8	6058.0	5800.3	6338.6	6464.9
60°	7163.4	7186.2	7392.2	7754.3	7912.5	6899.7	6880.8	6618.1	7140.5	7199.2
62.5°	6835.0	6974.3	7493.7	8212.0	8603.0	7794.1	7785.2	7538.4	7984.2	7936.4
65°	5532.7	5768.5	6681.8	8521.4	9280.5	8793.0	8806.0	8543.3	8850.7	8695.5
67.5°	3870.2	4118.9	5199.4	8546.3	10037.7	9966.0	10040.6	9628.7	9771.0	9422.8
70°	2676.3	2804.7	3508.1	8011.0	10627.6	11581.8	11579.8	10961.9	10686.3	9754.1
72.5°	1799.8	1866.5	2278.3	6355.5	10193.9	12541.8	12484.1	11980.7	10994.8	9122.3
75°	759.1	807.9	1054.6	3571.7	8064.7	11474.3	11318.1	10587.8	9769.0	7183.3
77.5°	240.8	261.7	415.9	1278.5	4442.3	8624.9	8459.7	6612.2	6547.5	3603.6
80°	114.4	133.3	233.8	513.4	1748.1	4691.0	4668.1	2999.7	2816.6	973.0
82.5°	49.7	58.7	129.3	274.6	782.0	1673.4	1707.3	1020.8	844.7	369.1
85°	15.9	20.9	59.7	126.4	330.3	415.9	410.9	242.8	340.3	201.0
87.5°	0.0	0.0	19.9	28.9	33.8	23.9	26.9	20.9	94.5	55.7
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°
1596.8	0°	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8	1596.8
1616.7	2.5°	1604.8	1588.9	1561.0	1535.1	1512.3	1489.4	1475.5	1455.6	1453.6	1453.6
1642.6	5°	1615.7	1589.9	1540.1	1487.4	1426.7	1369.0	1311.3	1255.6	1237.7	1224.7
1684.4	7.5°	1647.6	1606.8	1528.2	1427.7	1312.3	1185.9	1097.4	1001.9	965.1	945.2
1740.1	10°	1693.3	1637.6	1518.2	1342.1	1155.1	983.0	856.6	753.1	713.4	696.4
1800.8	12.5°	1744.1	1675.4	1500.3	1235.7	983.0	777.0	653.7	605.9	599.9	599.9
1873.4	15°	1804.8	1721.2	1469.5	1110.3	802.9	614.9	571.1	573.1	579.0	583.0
1944.1	17.5°	1867.4	1769.9	1420.7	970.0	643.7	553.2	554.2	557.2	562.1	566.1
2020.7	20°	1935.1	1818.7	1356.1	820.8	552.2	535.3	538.2	541.2	545.2	547.2
2092.3	22.5°	2007.7	1864.5	1279.5	674.5	521.3	520.3	521.3	524.3	529.3	529.3
2175.9	25°	2085.3	1915.2	1191.9	568.1	505.4	505.4	507.4	509.4	513.4	513.4
2256.5	27.5°	2164.9	1962.0	1099.4	512.4	491.5	490.5	490.5	493.5	495.5	496.5
2336.1	30°	2252.5	2016.7	1006.8	500.4	480.5	475.6	472.6	474.6	476.6	477.6
2419.6	32.5°	2342.0	2069.4	924.3	505.4	469.6	460.6	450.7	448.7	448.7	452.7
2506.2	35°	2441.5	2127.1	860.6	522.3	463.6	438.8	422.8	413.9	414.9	420.8
2609.7	37.5°	2560.9	2196.8	813.8	537.3	459.6	413.9	388.0	377.1	370.1	377.1
2751.9	40°	2717.1	2299.2	780.0	549.2	454.7	385.0	350.2	332.3	319.4	323.3
2972.8	42.5°	2946.9	2460.4	767.1	550.2	443.7	351.2	311.4	287.5	268.6	269.6
3305.1	45°	3269.3	2715.1	833.7	537.3	419.9	314.4	270.6	238.8	226.8	223.9
3801.6	47.5°	3711.0	3086.2	987.9	510.4	385.0	278.6	230.8	204.0	195.0	190.0
4453.2	50°	4303.0	3562.8	1159.1	480.5	350.2	244.7	198.0	181.1	175.1	170.1
5226.3	52.5°	4989.5	4046.3	1299.4	450.7	315.4	214.9	177.1	167.1	162.2	158.2
5972.4	55°	5619.3	4379.6	1291.4	418.9	281.6	191.0	162.2	156.2	150.2	146.3
6615.2	57.5°	6011.3	4426.4	1064.6	384.0	242.8	172.1	148.2	144.3	137.3	132.3
7171.3	60°	6191.3	4159.7	746.2	338.3	204.0	154.2	133.3	131.3	122.4	115.4
7697.6	62.5°	6224.2	3664.3	497.5	281.6	170.1	137.3	118.4	115.4	103.5	91.5
8125.4	65°	6090.8	2955.9	344.2	219.9	145.3	119.4	101.5	95.5	82.6	70.6
8226.9	67.5°	5669.0	2075.4	239.8	158.2	123.4	94.5	80.6	78.6	68.6	58.7
7709.6	70°	4896.0	1182.9	160.2	118.4	97.5	64.7	63.7	65.7	55.7	47.8
6298.8	72.5°	3753.8	541.2	99.5	86.6	66.7	43.8	50.7	51.7	42.8	35.8
3929.9	75°	2209.7	231.8	62.7	55.7	33.8	28.9	36.8	37.8	28.9	22.9
1436.7	77.5°	752.2	87.6	39.8	32.8	16.9	15.9	23.9	23.9	15.9	9.0
288.5	80°	171.1	32.8	19.9	12.9	8.0	7.0	8.0	7.0	4.0	1.0
88.5	82.5°	48.8	12.9	8.0	5.0	3.0	3.0	1.0	0.0	0.0	0.0
30.8	85°	13.9	6.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
10.9	87.5°	6.0	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

180°
1596.8
1458.5
1230.7
948.1
696.4
599.9
583.0
566.1
548.2
531.3
514.4
497.5
479.5
455.7
423.8
375.1
321.4
265.6
219.9
187.0
169.1
157.2
144.3
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