

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: P952304

Luminaire Tested: **GALN-SB6A-940-U-T4W-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952304
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-940-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 4000K, 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: 15184 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

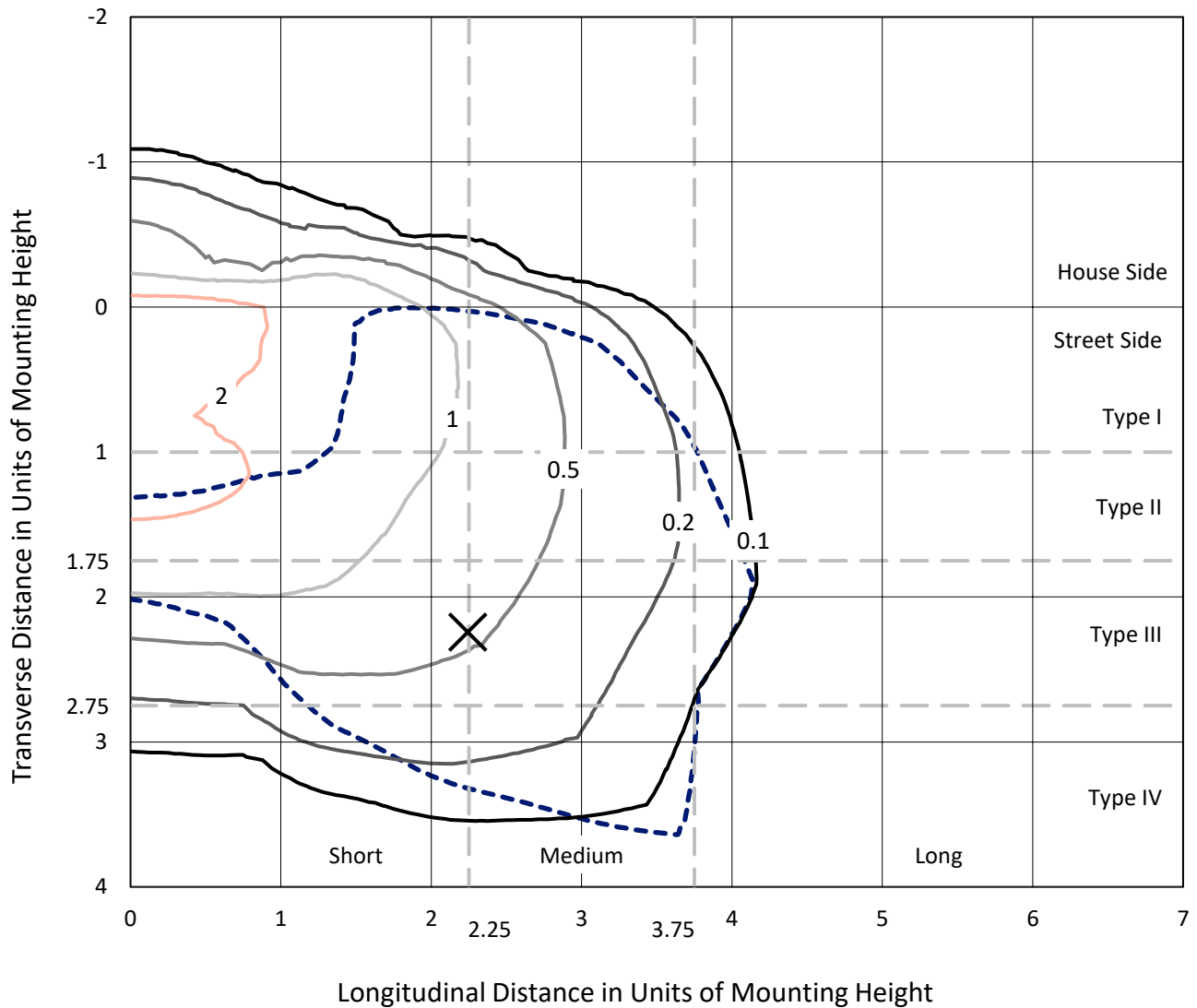
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

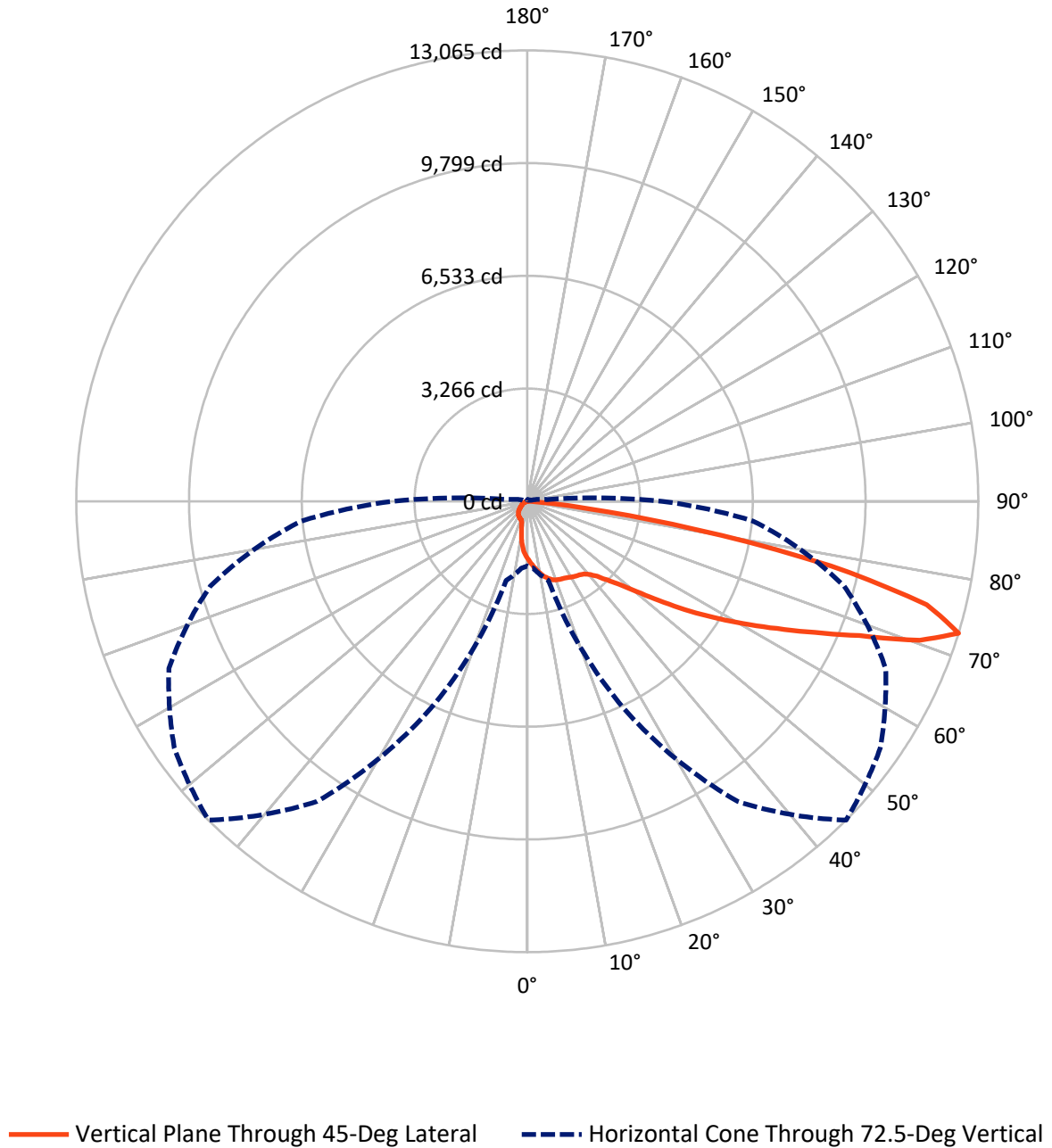
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	1595.4	0.0	1595.4
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	13588.6	0.0	13588.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	15184.0	0.0	15184.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.7	1.0
10°-20°	458.1	3.0
20°-30°	752.2	5.0
30°-40°	1066.8	7.0
40°-50°	1763.3	11.6
50°-60°	3167.6	20.9
60°-70°	4398.3	29.0
70°-80°	3190.4	21.0
80°-90°	230.7	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°	15184.0	100.0
0°-180°	15184.0	100.0

Coefficient of Utilization



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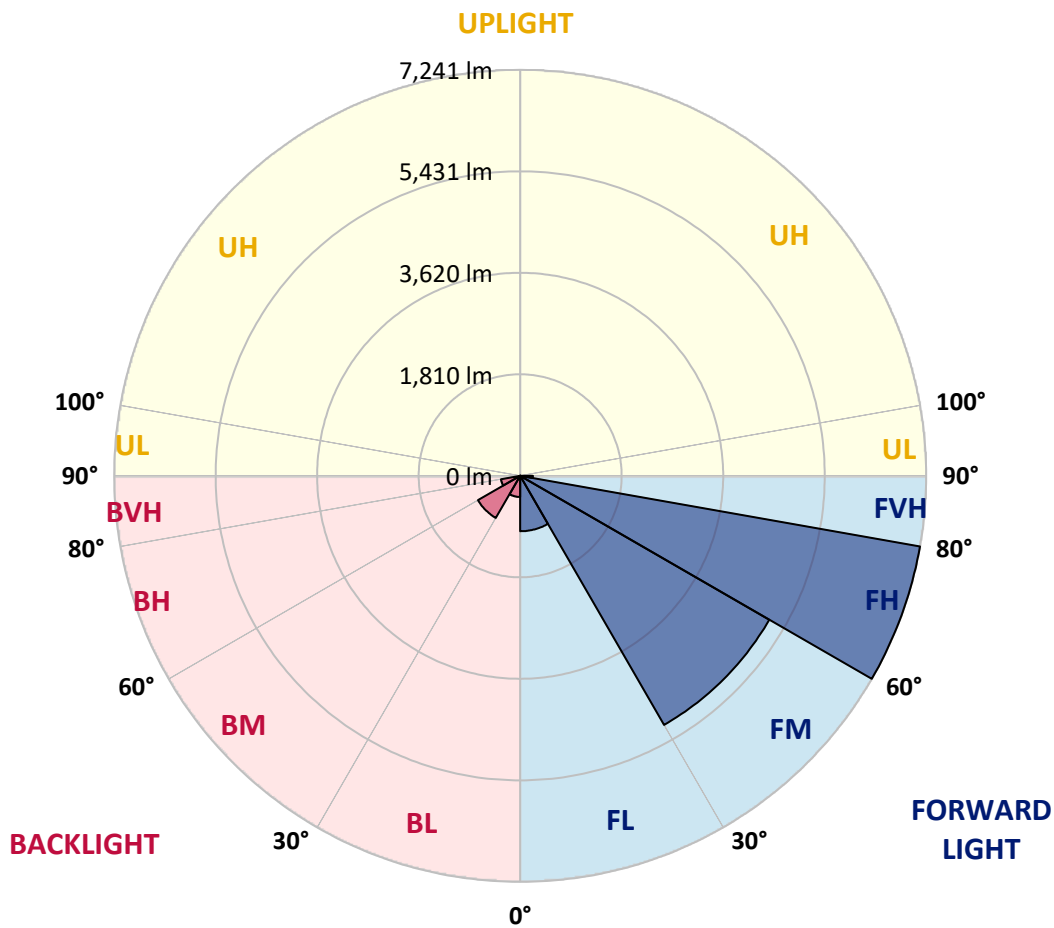
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	989.1	6.5			
FM (30°-60°)	5130.0	33.8			
FH (60°-80°)	7240.8	47.7			G3/7500
FVH (80°-90°)	228.7	1.5			G3/500
BL (0°-30°)	377.9	2.5	B1/500		
BM (30°-60°)	867.7	5.7	B1/1000		
BH (60°-80°)	347.9	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°	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4
2.5°	1816.8	1819.9	1817.9	1805.4	1784.7	1773.3	1767.1	1746.4	1732.9	1709.0
5°	1983.7	1996.1	1988.9	1964.0	1924.6	1896.6	1888.3	1845.8	1807.5	1762.9
7.5°	2160.9	2167.1	2153.7	2121.5	2068.7	2021.0	2013.7	1954.7	1893.5	1825.1
10°	2314.3	2321.6	2300.8	2254.2	2194.1	2135.0	2124.6	2059.3	1986.8	1902.9
12.5°	2442.8	2450.1	2423.1	2367.2	2300.8	2239.7	2229.3	2160.9	2081.1	1987.8
15°	2540.2	2553.7	2517.4	2457.3	2385.8	2324.7	2319.5	2252.1	2174.4	2070.7
17.5°	2597.2	2610.7	2576.5	2504.0	2442.8	2391.0	2384.8	2328.8	2256.3	2156.8
20°	2606.6	2619.0	2582.7	2519.5	2468.7	2427.3	2424.2	2383.7	2330.9	2235.5
22.5°	2578.6	2594.1	2561.0	2510.2	2474.9	2453.2	2449.0	2426.2	2396.2	2315.3
25°	2549.6	2562.0	2537.1	2492.6	2473.9	2471.8	2474.9	2470.8	2464.6	2396.2
27.5°	2547.5	2561.0	2533.0	2490.5	2480.1	2501.9	2505.0	2524.7	2529.9	2469.8
30°	2565.1	2574.4	2547.5	2502.9	2497.8	2547.5	2548.5	2583.8	2592.1	2532.0
32.5°	2603.5	2613.8	2586.9	2521.6	2514.3	2583.8	2586.9	2633.5	2647.0	2598.3
35°	2693.6	2706.1	2675.0	2573.4	2547.5	2618.0	2627.3	2682.2	2709.2	2668.8
37.5°	2918.5	2882.3	2839.8	2678.1	2623.2	2671.9	2687.4	2751.7	2799.3	2752.7
40°	3477.2	3363.2	3230.5	2856.3	2755.8	2786.9	2799.3	2863.6	2928.9	2883.3
42.5°	4315.6	4180.9	3967.4	3266.8	2955.8	2971.4	2980.7	3036.7	3128.9	3092.7
45°	5062.9	5014.2	4796.5	3967.4	3330.0	3253.3	3264.7	3293.7	3429.5	3416.0
47.5°	5637.0	5609.1	5441.2	4771.6	3962.2	3598.4	3630.5	3644.0	3839.9	3887.6
50°	6078.5	6068.2	5917.9	5486.8	4788.2	4107.3	4118.7	4089.7	4383.0	4501.1
52.5°	6495.2	6530.4	6419.5	6151.1	5670.2	4773.7	4771.6	4634.8	5030.7	5209.0
55°	6871.4	6883.8	6895.2	6828.9	6557.4	5532.4	5512.7	5288.8	5782.1	5966.6
57.5°	7224.8	7230.0	7331.6	7467.3	7480.8	6347.0	6310.7	6042.3	6603.0	6734.6
60°	7462.2	7486.0	7700.5	8077.8	8242.6	7187.5	7167.8	6894.2	7438.3	7499.5
62.5°	7120.1	7265.2	7806.2	8554.5	8961.8	8119.2	8109.9	7852.9	8317.2	8267.4
65°	5763.5	6009.1	6960.5	8876.9	9667.6	9159.8	9173.3	8899.7	9219.9	9058.2
67.5°	4031.6	4290.7	5416.3	8902.8	10456.3	10381.7	10459.5	10030.4	10178.6	9815.8
70°	2787.9	2921.6	3654.4	8345.2	11070.9	12064.9	12062.8	11419.2	11132.1	10161.0
72.5°	1874.9	1944.3	2373.4	6620.6	10619.1	13065.0	13004.9	12480.5	11453.4	9502.9
75°	790.8	841.6	1098.6	3720.7	8401.1	11952.9	11790.2	11029.5	10176.5	7482.9
77.5°	250.8	272.6	433.2	1331.8	4627.6	8984.6	8812.6	6888.0	6820.6	3753.9
80°	119.2	138.9	243.6	534.8	1821.0	4886.7	4862.8	3124.8	2934.1	1013.6
82.5°	51.8	61.1	134.7	286.0	814.6	1743.2	1778.5	1063.4	879.9	384.5
85°	16.6	21.8	62.2	131.6	344.1	433.2	428.0	252.9	354.5	209.4
87.5°	0.0	0.0	20.7	30.1	35.2	24.9	28.0	21.8	98.5	58.0
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°
1663.4	0°	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4	1663.4
1684.2	2.5°	1671.7	1655.1	1626.1	1599.2	1575.3	1551.5	1537.0	1516.3	1514.2	1514.2
1711.1	5°	1683.1	1656.2	1604.4	1549.4	1486.2	1426.1	1366.0	1308.0	1289.3	1275.8
1754.6	7.5°	1716.3	1673.8	1591.9	1487.2	1367.0	1235.4	1143.2	1043.7	1005.3	984.6
1812.7	10°	1764.0	1705.9	1581.6	1398.1	1203.3	1024.0	892.3	784.6	743.1	725.5
1875.9	12.5°	1816.8	1745.3	1562.9	1287.2	1024.0	809.4	680.9	631.2	625.0	625.0
1951.6	15°	1880.0	1793.0	1530.8	1156.6	836.4	640.5	594.9	597.0	603.2	607.3
2025.1	17.5°	1945.3	1843.8	1480.0	1010.5	670.6	576.2	577.3	580.4	585.6	589.7
2105.0	20°	2015.8	1894.6	1412.6	855.0	575.2	557.6	560.7	563.8	568.0	570.0
2179.6	22.5°	2091.5	1942.2	1332.8	702.7	543.1	542.0	543.1	546.2	551.4	551.4
2266.6	25°	2172.3	1995.1	1241.6	591.8	526.5	526.5	528.6	530.6	534.8	534.8
2350.6	27.5°	2255.2	2043.8	1145.2	533.8	512.0	511.0	511.0	514.1	516.1	517.2
2433.5	30°	2346.4	2100.8	1048.8	521.3	500.6	495.4	492.3	494.4	496.4	497.5
2520.6	32.5°	2439.7	2155.7	962.8	526.5	489.2	479.9	469.5	467.4	467.4	471.6
2610.7	35°	2543.4	2215.8	896.5	544.1	483.0	457.1	440.5	431.1	432.2	438.4
2718.5	37.5°	2667.7	2288.4	847.8	559.7	478.8	431.1	404.2	392.8	385.5	392.8
2866.7	40°	2830.4	2395.1	812.5	572.1	473.6	401.1	364.8	346.2	332.7	336.8
3096.8	42.5°	3069.8	2563.0	799.1	573.1	462.2	365.9	324.4	299.5	279.8	280.9
3443.0	45°	3405.6	2828.4	868.5	559.7	437.4	327.5	281.9	248.7	236.3	233.2
3960.1	47.5°	3865.8	3214.9	1029.2	531.7	401.1	290.2	240.4	212.5	203.1	198.0
4639.0	50°	4482.5	3711.4	1207.4	500.6	364.8	255.0	206.2	188.6	182.4	177.2
5444.3	52.5°	5197.6	4215.1	1353.6	469.5	328.5	223.9	184.5	174.1	168.9	164.8
6221.6	55°	5853.6	4562.3	1345.3	436.3	293.3	199.0	168.9	162.7	156.5	152.4
6891.1	57.5°	6262.0	4611.0	1109.0	400.1	252.9	179.3	154.4	150.3	143.0	137.8
7470.4	60°	6449.6	4333.2	777.3	352.4	212.5	160.6	138.9	136.8	127.5	120.2
8018.7	62.5°	6483.8	3817.1	518.2	293.3	177.2	143.0	123.3	120.2	107.8	95.3
8464.4	65°	6344.9	3079.2	358.6	229.0	151.3	124.4	105.7	99.5	86.0	73.6
8570.1	67.5°	5905.5	2162.0	249.8	164.8	128.5	98.5	83.9	81.9	71.5	61.1
8031.1	70°	5100.2	1232.3	166.9	123.3	101.6	67.4	66.3	68.4	58.0	49.7
6561.5	72.5°	3910.4	563.8	103.6	90.2	69.4	45.6	52.9	53.9	44.6	37.3
4093.8	75°	2301.9	241.5	65.3	58.0	35.2	30.1	38.3	39.4	30.1	23.8
1496.6	77.5°	783.5	91.2	41.5	34.2	17.6	16.6	24.9	24.9	16.6	9.3
300.6	80°	178.3	34.2	20.7	13.5	8.3	7.3	8.3	7.3	4.1	1.0
92.2	82.5°	50.8	13.5	8.3	5.2	3.1	3.1	1.0	0.0	0.0	0.0
32.1	85°	14.5	6.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
11.4	87.5°	6.2	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

<u>180°</u>
1663.4
1519.4
1282.0
987.7
725.5
625.0
607.3
589.7
571.1
553.4
535.8
518.2
499.6
474.7
441.5
390.7
334.8
276.7
229.0
194.8
176.2
163.8
150.3
136.8
118.2
89.1
69.4
58.0
45.6
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