

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: STREETWORKS

Report Number: P949131

Luminaire Tested: **GLAN-SB4A-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949131
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-722-U-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12364 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 114
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

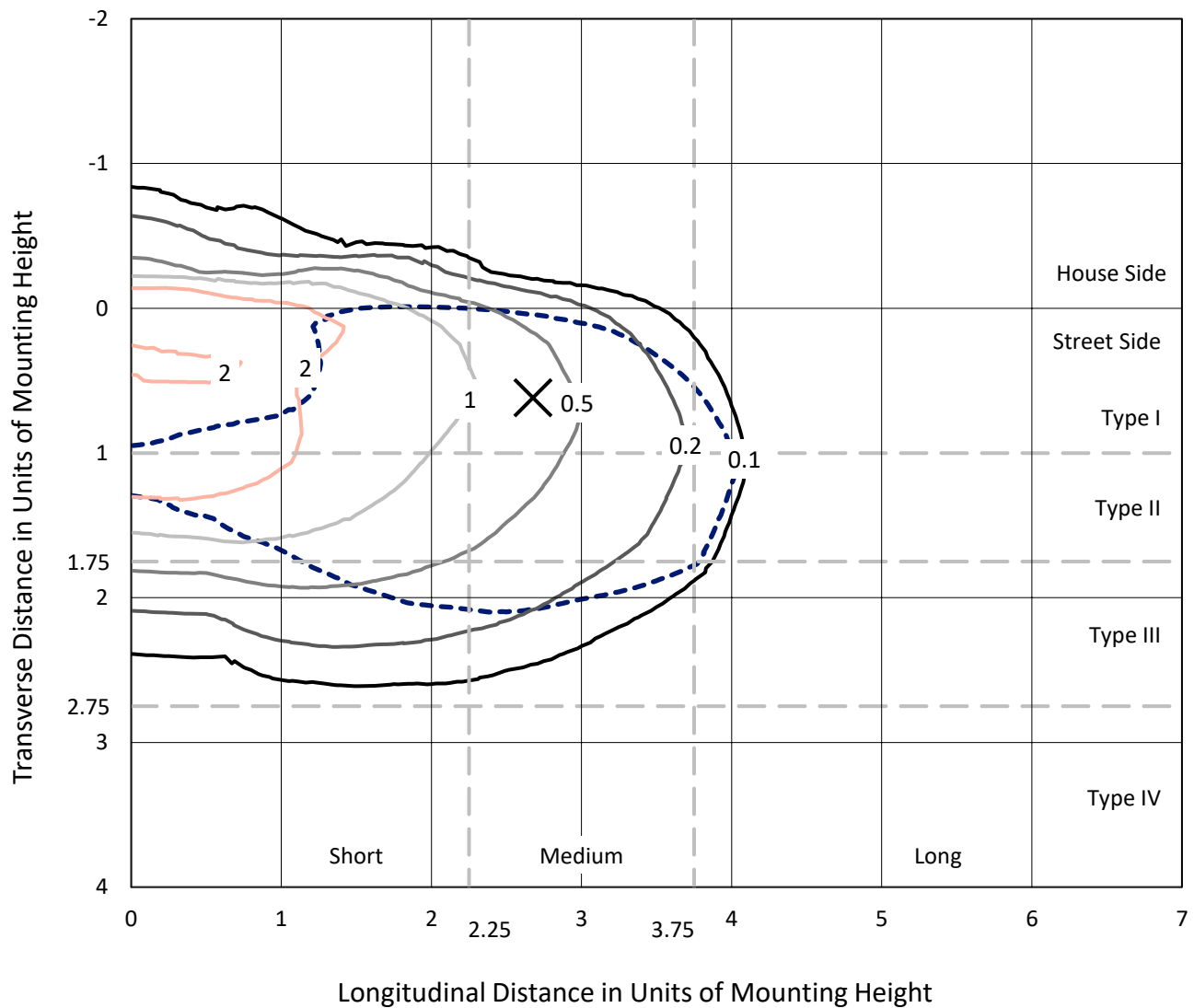


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Iso-Footcandle Lines of Horizontal Illumination

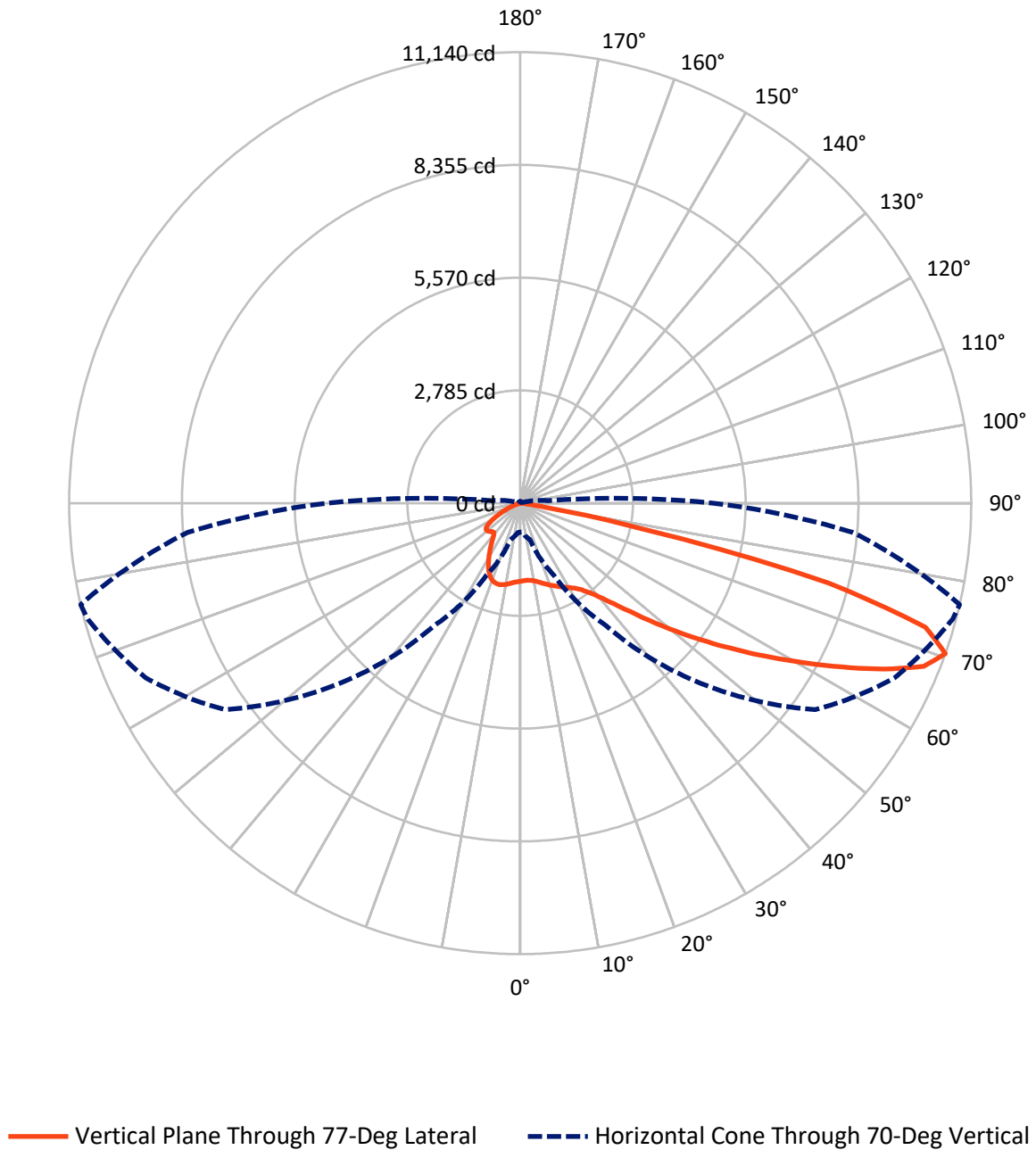
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1303.3	0.0	1303.3
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	11060.6	0.0	11060.6
	% Fixture	89.5	0.0	89.5
Total	Lumens	12364.0	0.0	12364.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.2	1.3
10°-20°	394.6	3.2
20°-30°	610.3	4.9
30°-40°	1107.4	9.0
40°-50°	2090.3	16.9
50°-60°	3020.4	24.4
60°-70°	3215.1	26.0
70°-80°	1703.8	13.8
80°-90°	55.9	0.5
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°	12364.0	100.0
0°-180°	12364.0	100.0

Coefficient of Utilization



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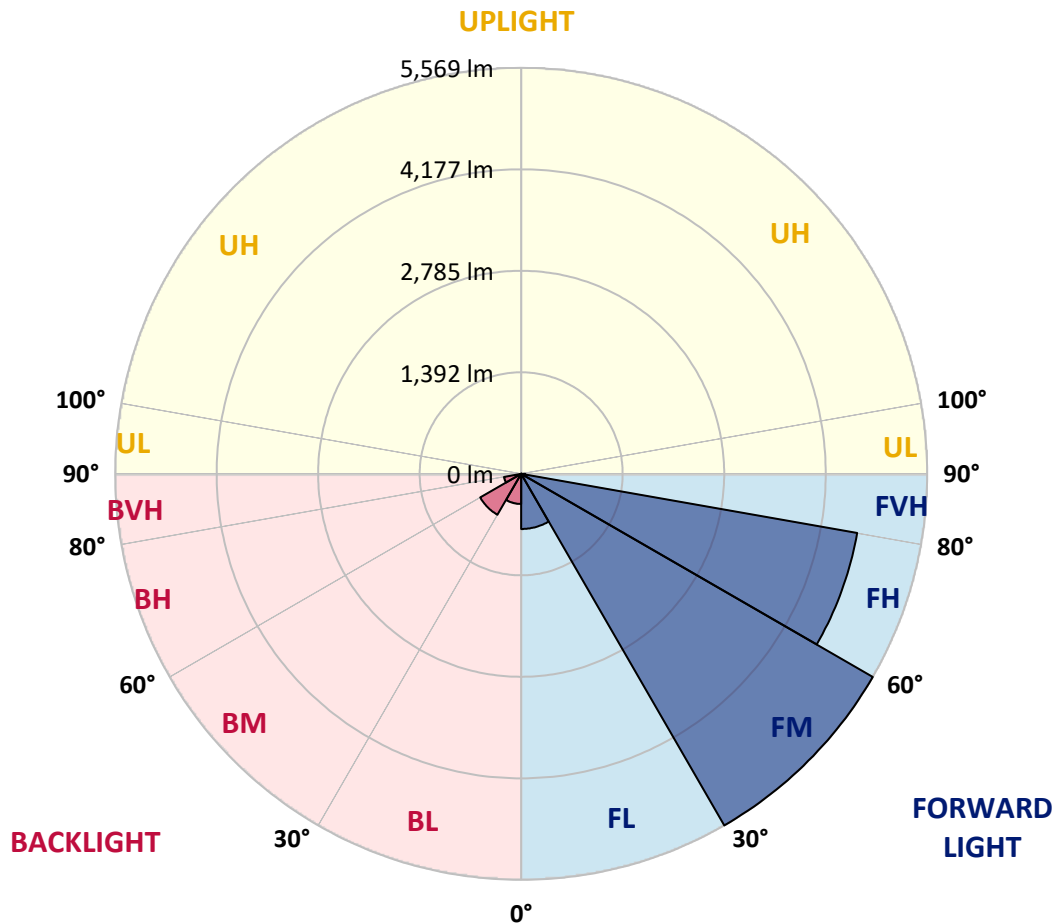
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	757.0	6.1			
FM	(30°-60°)	5569.3	45.0			
FH	(60°-80°)	4679.9	37.9			G2/5000
FVH	(80°-90°)	54.4	0.4			G1/100
BL	(0°-30°)	414.1	3.3	B1/500		
BM	(30°-60°)	648.8	5.2	B1/1000		
BH	(60°-80°)	238.9	1.9	B1/500		G1/500
BVH	(80°-90°)	1.5	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-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6
2.5°	1810.7	1827.1	1824.7	1835.6	1839.6	1855.2	1870.8	1891.9	1915.3	1914.5
5°	1708.4	1724.8	1728.7	1743.5	1762.3	1786.5	1818.5	1860.6	1904.4	1911.4
7.5°	1587.4	1604.5	1614.7	1644.4	1678.7	1728.7	1781.0	1842.7	1915.3	1925.4
10°	1466.3	1481.9	1495.2	1537.4	1592.0	1666.2	1751.3	1840.3	1937.9	1952.8
12.5°	1391.4	1406.2	1421.0	1457.7	1525.7	1616.2	1731.8	1851.3	1975.4	1996.5
15°	1364.8	1378.1	1389.8	1422.6	1485.9	1588.9	1727.9	1873.9	2023.0	2051.1
17.5°	1368.7	1375.8	1383.6	1408.6	1470.2	1576.4	1734.9	1912.9	2079.3	2104.2
20°	1391.4	1395.3	1396.1	1413.2	1467.9	1574.9	1749.0	1950.4	2132.3	2165.9
22.5°	1420.3	1421.8	1420.3	1432.0	1482.7	1586.6	1767.7	1995.7	2191.7	2222.9
25°	1555.3	1525.7	1488.2	1465.5	1507.7	1609.2	1795.8	2056.6	2256.5	2286.9
27.5°	1974.6	1889.5	1755.2	1604.5	1559.2	1642.0	1834.9	2118.3	2322.1	2349.4
30°	2655.5	2543.8	2315.8	1976.2	1724.8	1710.7	1885.6	2180.0	2391.6	2421.2
32.5°	3337.9	3310.6	3047.4	2577.4	2097.2	1863.8	1969.9	2263.5	2483.7	2507.1
35°	4028.1	3972.7	3757.2	3292.6	2671.1	2175.3	2110.5	2372.8	2604.7	2631.3
37.5°	4556.7	4523.1	4389.6	4007.0	3351.9	2656.3	2351.0	2542.3	2780.4	2810.1
40°	5023.6	5008.0	4962.7	4710.5	4113.2	3285.6	2725.0	2804.6	3024.0	3059.2
42.5°	5390.6	5427.3	5453.1	5382.8	4897.9	4003.9	3227.8	3173.1	3363.7	3399.6
45°	5766.2	5778.7	5882.5	5984.0	5677.2	4755.0	3794.7	3604.9	3786.1	3830.6
47.5°	6007.4	6057.4	6240.1	6418.9	6332.2	5499.9	4403.7	4114.8	4275.6	4359.2
50°	6025.4	6119.9	6371.3	6682.8	6809.3	6208.9	5065.8	4695.7	4866.7	4958.8
52.5°	5726.3	5873.1	6262.7	6718.7	7067.0	6809.3	5750.5	5276.6	5496.0	5616.2
55°	4390.4	4582.5	5854.4	6523.5	7077.1	7264.5	6417.3	5881.7	6197.2	6333.0
57.5°	3825.1	3921.9	4602.8	6184.7	6888.9	7448.0	7020.1	6457.9	6960.0	7128.6
60°	3182.5	3309.8	3860.2	5630.3	6633.6	7466.0	7552.6	7201.3	7786.9	7976.6
62.5°	2162.8	2301.0	2848.3	4677.7	6284.6	7457.4	7989.1	7966.4	8705.9	8909.6
65°	1339.8	1426.5	1787.2	3819.6	5796.6	7466.7	8445.8	8895.6	9675.6	9882.5
67.5°	1058.8	1098.6	1286.7	2932.7	4955.7	7255.9	8901.8	9769.3	10588.3	10752.3
70°	711.3	735.5	936.2	1966.0	3686.9	6283.0	8893.2	10208.1	11058.4	11140.4
72.5°	374.8	393.5	547.3	910.4	2226.8	4466.1	7496.4	9683.4	10590.7	10467.3
75°	187.4	218.6	368.5	462.2	951.0	2490.7	4655.1	7634.6	8335.8	7857.9
77.5°	142.1	171.8	304.5	304.5	331.1	838.6	1971.5	4164.0	3840.7	3198.1
80°	90.6	117.1	266.3	230.3	138.2	213.2	513.8	1166.5	815.9	620.7
82.5°	53.1	76.5	221.7	152.3	77.3	78.9	145.2	248.3	211.6	164.7
85°	21.1	50.0	152.3	60.1	30.5	19.5	43.7	53.1	43.7	32.8
87.5°	0.0	11.7	26.5	0.0	2.3	1.6	3.1	3.9	3.9	3.1
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°
1928.6	0°	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6	1928.6
1930.1	2.5°	1937.1	1938.7	1943.4	1944.2	1933.2	1919.2	1913.7	1911.4	1902.0	1901.2
1942.6	5°	1960.6	1967.6	1960.6	1940.3	1891.9	1823.9	1772.4	1730.2	1692.0	1680.3
1985.6	7.5°	2007.4	2014.4	1993.4	1913.7	1791.9	1656.8	1535.0	1449.2	1371.9	1343.0
2037.9	10°	2074.6	2083.9	2017.6	1856.7	1641.2	1424.2	1218.0	1072.8	959.6	913.5
2108.9	12.5°	2158.9	2162.8	2030.8	1770.1	1445.2	1135.3	843.3	687.9	587.2	549.7
2194.8	15°	2251.8	2246.3	2032.4	1652.2	1178.2	802.7	550.5	452.1	411.5	399.0
2280.7	17.5°	2349.4	2326.8	2001.2	1481.9	885.4	548.9	408.4	384.9	377.9	374.8
2365.8	20°	2445.4	2394.7	1944.2	1259.4	635.6	409.9	370.9	363.8	359.9	358.4
2451.7	22.5°	2532.9	2446.2	1846.6	1001.0	461.4	362.3	350.6	344.3	337.3	334.2
2535.2	25°	2618.0	2475.9	1709.2	759.7	369.3	338.9	329.5	317.8	308.4	304.5
2625.0	27.5°	2700.8	2494.6	1537.4	562.2	329.5	317.0	299.8	283.4	276.4	274.8
2721.1	30°	2789.0	2500.9	1342.2	419.3	305.3	289.7	264.7	246.0	242.0	242.8
2850.7	32.5°	2896.7	2510.3	1145.4	343.5	285.0	256.9	227.2	207.7	204.6	207.7
3039.6	35°	3025.6	2529.0	955.7	316.2	267.0	223.3	191.3	174.9	171.8	174.1
3281.7	37.5°	3200.5	2559.4	778.5	310.8	252.2	195.2	160.8	147.6	147.6	148.4
3578.4	40°	3433.2	2640.6	620.0	306.9	244.4	174.1	135.9	130.4	132.7	134.3
3956.3	42.5°	3716.6	2813.2	513.0	302.2	235.8	164.7	123.4	121.0	124.9	126.5
4409.1	45°	4034.4	3031.8	475.5	294.4	228.0	171.0	117.9	114.8	119.5	120.2
4916.7	47.5°	4363.1	3245.8	470.8	285.8	220.2	180.4	116.3	109.3	114.8	115.6
5458.5	50°	4695.7	3385.5	475.5	272.5	207.7	180.4	117.1	103.8	108.5	110.9
6020.7	52.5°	5030.7	3449.5	472.4	243.6	185.8	169.4	117.1	99.2	103.8	105.4
6628.2	55°	5355.5	3437.1	424.8	200.7	157.7	149.9	114.0	95.3	98.4	99.2
7202.0	57.5°	5612.3	3262.9	336.5	156.2	128.1	124.9	103.8	90.6	92.9	92.1
7728.3	60°	5746.6	2880.3	240.5	120.2	100.7	98.4	91.4	84.3	85.9	82.0
8174.1	62.5°	5748.2	2374.4	160.8	95.3	80.4	78.1	78.1	75.7	74.2	66.4
8519.2	65°	5625.6	1813.0	107.0	75.7	64.8	60.9	65.6	64.8	59.3	48.4
8624.6	67.5°	5347.7	1188.4	81.2	59.3	50.0	47.6	52.3	54.7	50.8	40.6
8240.5	70°	4776.1	691.8	67.1	46.1	37.5	35.1	42.2	46.8	42.2	32.8
7043.5	72.5°	3967.2	373.2	54.7	34.4	25.8	23.4	33.6	38.3	33.6	24.2
4519.2	75°	2574.3	199.9	42.2	22.6	13.3	14.8	25.0	28.1	23.4	15.6
1326.6	77.5°	864.3	88.2	26.5	10.9	6.2	6.2	14.8	17.2	10.9	5.5
241.3	80°	192.9	36.7	10.9	4.7	2.3	2.3	3.1	3.1	1.6	0.0
74.2	82.5°	63.2	14.8	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0
18.7	85°	24.2	5.5	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6.2	87.5°	9.4	0.8	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°
1928.6
1902.8
1673.2
1331.3
894.0
538.0
399.0
374.0
356.8
333.4
302.9
273.3
242.8
206.9
173.3
147.6
134.3
126.5
121.0
116.3
111.7
105.4
99.2
92.1
81.2
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46.8
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