

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: P846038

Luminaire Tested: **GLAN-SB1C-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5862 lumens
Efficiency: N/A
Efficacy: 107.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

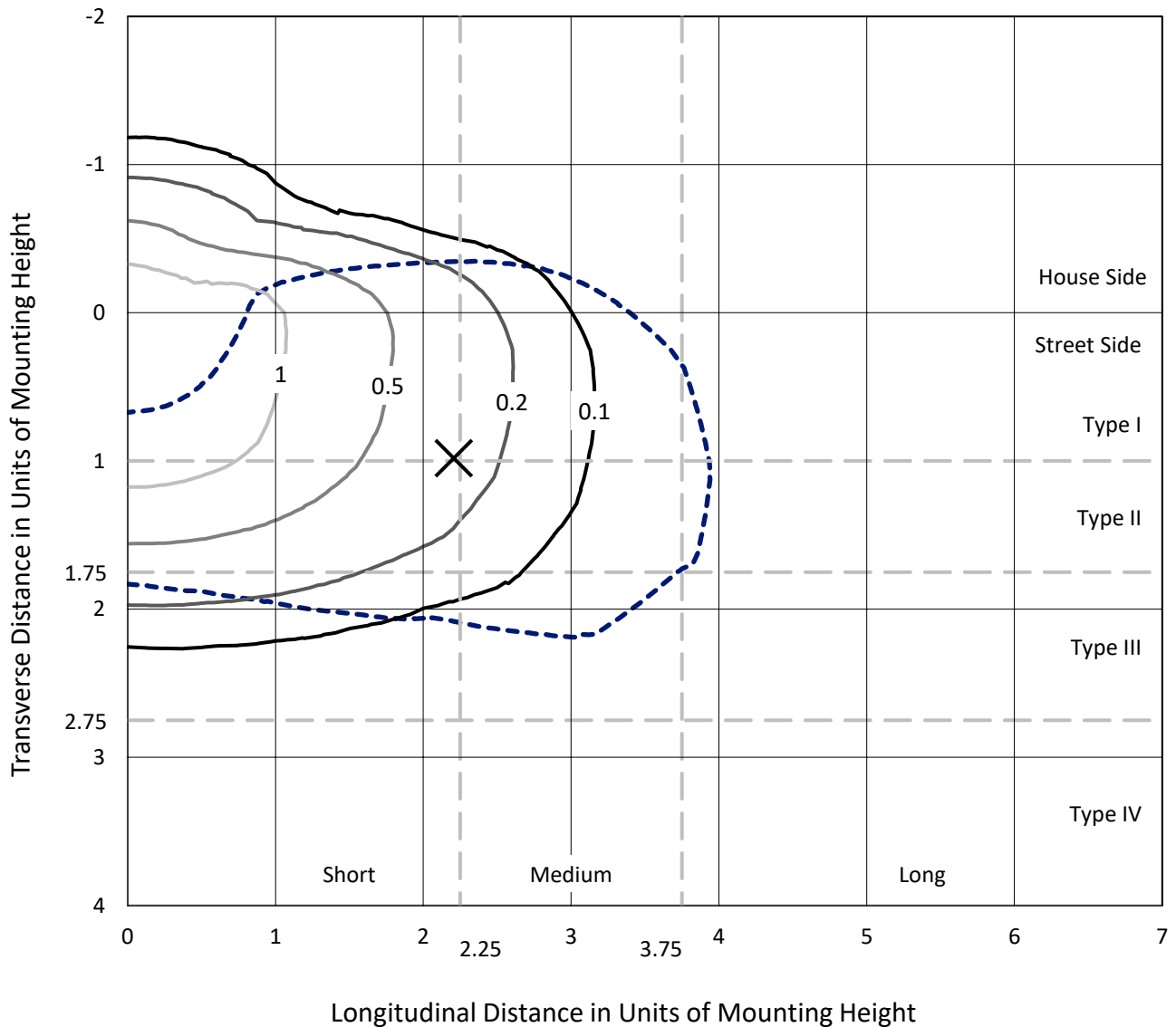
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

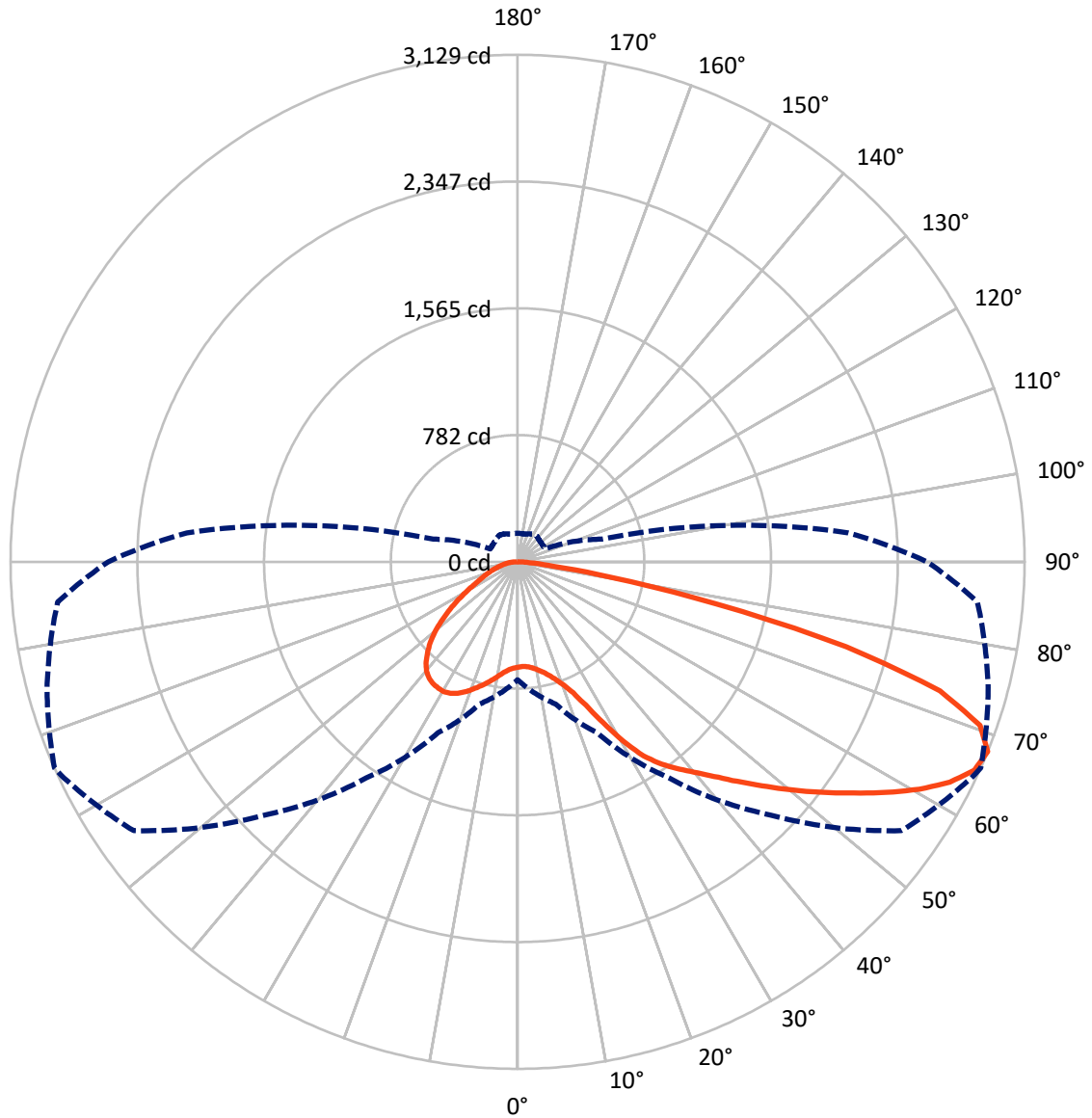
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1457.6	0.0	1457.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	4404.4	0.0	4404.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	5862.0	0.0	5862.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.5	1.1
10°-20°	213.0	3.6
20°-30°	410.5	7.0
30°-40°	719.8	12.3
40°-50°	1070.0	18.3
50°-60°	1356.4	23.1
60°-70°	1327.2	22.6
70°-80°	633.1	10.8
80°-90°	67.7	1.2
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°	5862.0	100.0
0°-180°	5862.0	100.0

Coefficient of Utilization



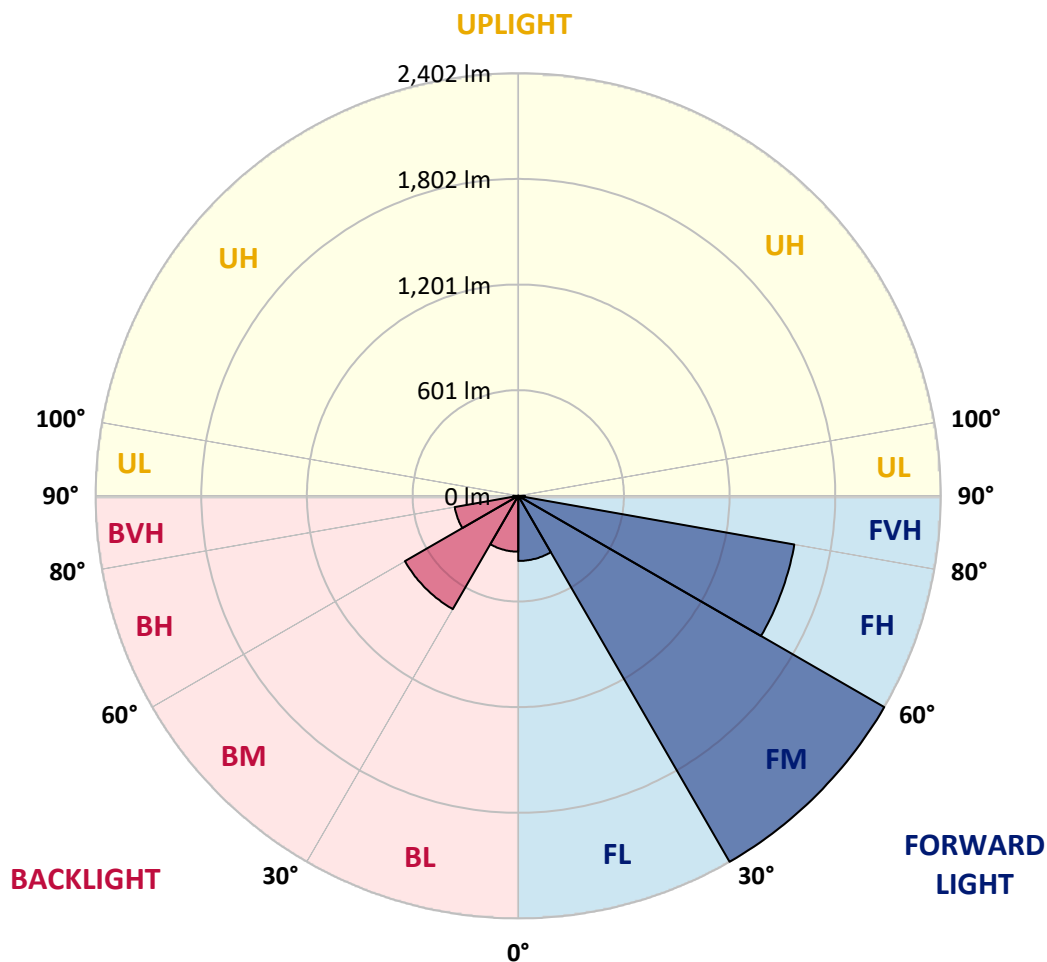
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	370.4	6.3			
FM (30°-60°)	2402.2	41.0			
FH (60°-80°)	1593.5	27.2			G1/1800
FVH (80°-90°)	38.4	0.7			G1/100
BL (0°-30°)	317.5	5.4	B1/500		
BM (30°-60°)	744.0	12.7	B1/1000		
BH (60°-80°)	366.8	6.3	B1/500		G1/500
BVH (80°-90°)	29.3	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	650.2	650.2	650.2	650.2	650.2	650.2	650.2	650.2	650.2	650.2
2.5°	643.4	647.1	646.2	644.6	644.3	644.9	645.9	646.8	646.5	648.0
5°	641.5	645.2	644.9	644.9	646.2	648.6	650.2	651.7	650.2	652.0
7.5°	642.8	645.6	646.8	648.0	651.1	655.7	659.4	662.8	661.0	663.1
10°	658.5	660.6	661.9	661.9	664.0	669.3	673.0	679.1	677.6	681.0
12.5°	687.1	689.3	689.3	688.1	689.6	693.0	694.2	701.0	698.2	703.8
15°	722.2	726.6	723.2	721.0	721.6	725.0	724.7	729.9	727.2	731.8
17.5°	761.1	766.6	761.1	760.7	759.5	763.2	763.5	768.1	763.2	766.6
20°	806.9	814.6	810.0	811.6	808.8	810.3	811.9	818.6	810.9	813.4
22.5°	871.6	880.9	875.9	881.8	879.9	878.7	878.4	890.4	878.4	879.3
25°	965.9	977.0	968.3	976.3	976.3	980.3	985.0	1000.4	980.3	974.5
27.5°	1105.1	1116.2	1099.2	1104.2	1102.6	1112.5	1107.5	1145.7	1124.2	1114.6
30°	1272.6	1292.3	1260.3	1259.1	1257.5	1273.2	1280.3	1305.6	1283.7	1274.2
32.5°	1453.7	1474.4	1436.2	1425.1	1419.2	1428.8	1422.9	1443.3	1428.2	1413.4
35°	1645.3	1665.6	1629.3	1607.7	1584.3	1564.3	1543.4	1548.6	1534.4	1511.9
37.5°	1826.4	1863.7	1825.2	1802.1	1758.9	1719.8	1661.3	1637.0	1623.7	1603.1
40°	2010.9	2032.1	2002.9	1983.2	1936.4	1875.1	1781.4	1730.0	1712.1	1692.1
42.5°	2146.7	2167.0	2151.3	2137.8	2101.1	2030.0	1908.9	1844.6	1818.7	1796.2
45°	2254.5	2269.6	2259.7	2264.7	2249.0	2180.0	2041.1	1967.5	1940.7	1913.3
47.5°	2297.9	2314.0	2329.7	2358.9	2385.7	2334.9	2183.1	2100.5	2072.2	2044.1
50°	2293.0	2309.3	2354.9	2417.1	2500.3	2483.3	2332.7	2242.2	2216.0	2184.0
52.5°	2253.6	2272.1	2330.6	2434.1	2566.5	2594.5	2485.2	2388.5	2363.8	2325.7
55°	2150.1	2161.2	2249.0	2395.6	2582.2	2672.1	2634.6	2544.3	2519.7	2466.4
57.5°	1958.2	1974.2	2102.1	2291.8	2542.8	2724.8	2765.8	2708.2	2684.5	2607.8
60°	1707.8	1733.4	1879.7	2117.5	2442.4	2724.5	2885.0	2869.3	2849.6	2747.0
62.5°	1424.5	1454.0	1594.8	1871.1	2266.8	2647.2	2959.5	3004.2	2994.0	2875.4
65°	1094.0	1114.3	1254.5	1552.3	1993.6	2481.2	2968.1	3096.3	3098.1	2973.1
67.5°	728.4	786.9	908.6	1164.8	1627.7	2209.8	2892.4	3111.3	3129.2	3006.6
70°	355.4	432.4	551.6	757.0	1164.8	1793.8	2694.3	2987.5	3027.3	2908.7
72.5°	147.5	172.5	237.5	373.6	668.7	1210.4	2296.4	2651.8	2725.4	2577.3
75°	99.5	107.8	135.8	191.6	304.6	596.9	1656.1	1977.3	2095.9	1946.5
77.5°	76.7	81.9	98.9	134.0	181.1	225.8	886.4	1191.6	1252.9	1159.9
80°	60.4	64.4	73.9	97.6	128.4	120.7	302.1	539.9	575.3	482.6
82.5°	52.4	53.9	53.0	66.2	85.3	70.5	99.2	199.3	219.9	159.5
85°	37.9	42.2	44.0	41.0	45.3	35.7	40.7	70.5	77.6	69.3
87.5°	15.4	22.8	28.0	26.5	16.6	10.2	12.6	20.6	23.7	25.9
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°
650.2	0°	650.2	650.2	650.2	650.2	650.2	650.2	650.2	650.2	650.2	650.2
650.5	2.5°	650.8	652.9	654.5	656.3	657.6	659.4	663.1	665.3	665.6	667.1
655.4	5°	656.6	659.7	663.1	668.0	673.6	678.2	685.3	690.2	692.1	693.6
667.4	7.5°	669.3	673.6	679.7	688.4	696.4	702.5	711.2	717.0	722.9	725.0
686.5	10°	688.1	694.2	703.1	714.9	723.5	731.5	740.4	745.3	751.2	753.7
709.3	12.5°	711.5	717.9	729.6	746.0	754.0	759.5	762.6	761.4	762.6	764.7
736.7	15°	738.3	745.3	758.6	776.1	781.7	776.8	770.0	763.8	762.9	763.5
770.0	17.5°	770.0	775.2	790.6	805.4	801.4	781.1	766.3	756.4	751.5	750.0
812.5	20°	814.3	814.3	827.0	836.2	809.4	774.9	751.8	735.8	725.6	721.3
870.4	22.5°	868.2	863.3	871.3	864.8	807.9	757.7	725.6	697.9	682.5	676.4
951.4	25°	936.6	930.8	928.6	888.6	796.8	730.3	678.2	644.6	631.1	627.7
1068.1	27.5°	1039.8	1025.0	997.0	901.5	776.5	687.1	622.8	591.7	584.0	584.3
1218.1	30°	1177.1	1147.6	1078.9	903.7	743.2	626.1	566.1	543.9	540.2	541.8
1344.1	32.5°	1304.4	1276.3	1162.7	893.8	692.1	566.4	515.3	500.5	494.9	496.8
1440.2	35°	1404.1	1396.4	1240.3	879.9	629.2	510.3	469.7	457.1	446.3	443.8
1530.7	37.5°	1498.4	1495.3	1298.5	860.5	567.0	470.6	433.0	416.4	400.7	392.1
1630.8	40°	1601.9	1598.8	1336.7	830.7	511.9	436.1	400.1	378.2	358.8	343.1
1744.2	42.5°	1718.3	1700.1	1354.9	787.8	465.1	406.9	373.3	343.7	318.2	303.7
1872.3	45°	1845.5	1804.5	1354.6	733.3	425.6	380.1	344.6	302.8	279.0	265.5
2003.8	47.5°	1980.4	1904.3	1337.9	673.0	387.5	350.5	300.3	268.3	252.6	244.2
2146.7	50°	2119.6	1997.6	1309.6	603.7	348.3	316.9	272.6	250.7	238.7	231.0
2288.4	52.5°	2250.5	2082.3	1275.4	525.1	308.6	284.3	260.3	243.3	230.7	222.1
2425.8	55°	2372.2	2155.3	1227.0	444.7	276.3	262.4	254.4	240.2	225.8	215.6
2565.3	57.5°	2480.3	2202.8	1143.6	369.3	253.2	247.3	248.2	235.0	218.4	209.7
2702.6	60°	2570.2	2237.6	1020.1	299.4	234.4	232.5	238.7	225.1	205.7	195.9
2818.8	62.5°	2624.1	2237.0	868.5	245.2	218.4	219.0	226.1	212.8	193.1	183.9
2879.4	65°	2619.5	2182.1	702.2	209.7	203.0	203.6	212.8	199.3	182.6	177.1
2848.9	67.5°	2526.8	2048.5	538.7	186.6	186.0	188.8	199.6	190.0	176.2	175.6
2667.2	70°	2275.8	1771.0	388.1	168.2	168.5	172.5	186.6	184.2	172.8	174.0
2242.5	72.5°	1824.9	1350.2	260.6	148.8	149.1	155.5	174.3	179.6	169.4	185.7
1591.1	75°	1215.3	842.1	167.5	128.1	128.4	136.7	163.5	170.6	160.2	185.1
827.9	77.5°	584.0	378.5	121.3	107.8	107.8	115.5	141.4	152.8	136.4	143.8
266.1	80°	201.7	142.3	95.5	86.9	85.0	90.2	119.2	132.4	117.7	108.4
86.9	82.5°	79.5	73.9	76.7	67.5	61.3	64.7	92.7	109.3	86.5	78.2
49.0	85°	45.6	48.0	54.2	44.7	35.4	39.7	68.1	78.5	65.3	57.6
16.0	87.5°	12.3	16.9	24.9	23.1	16.0	16.9	32.3	43.4	37.6	29.0
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°
650.2
666.8
693.3
725.3
754.9
765.4
765.7
752.1
720.4
675.4
628.3
585.2
547.0
499.3
445.7
392.4
344.6
304.6
264.9
242.4
228.2
218.4
211.6
204.2
191.6
181.1
176.8
176.5
173.7
188.2
186.6
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101.6
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