

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: P847855

Luminaire Tested: **GLAN-SB4A-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847855  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8454 lumens  
Efficiency: N/A  
Efficacy: 74.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

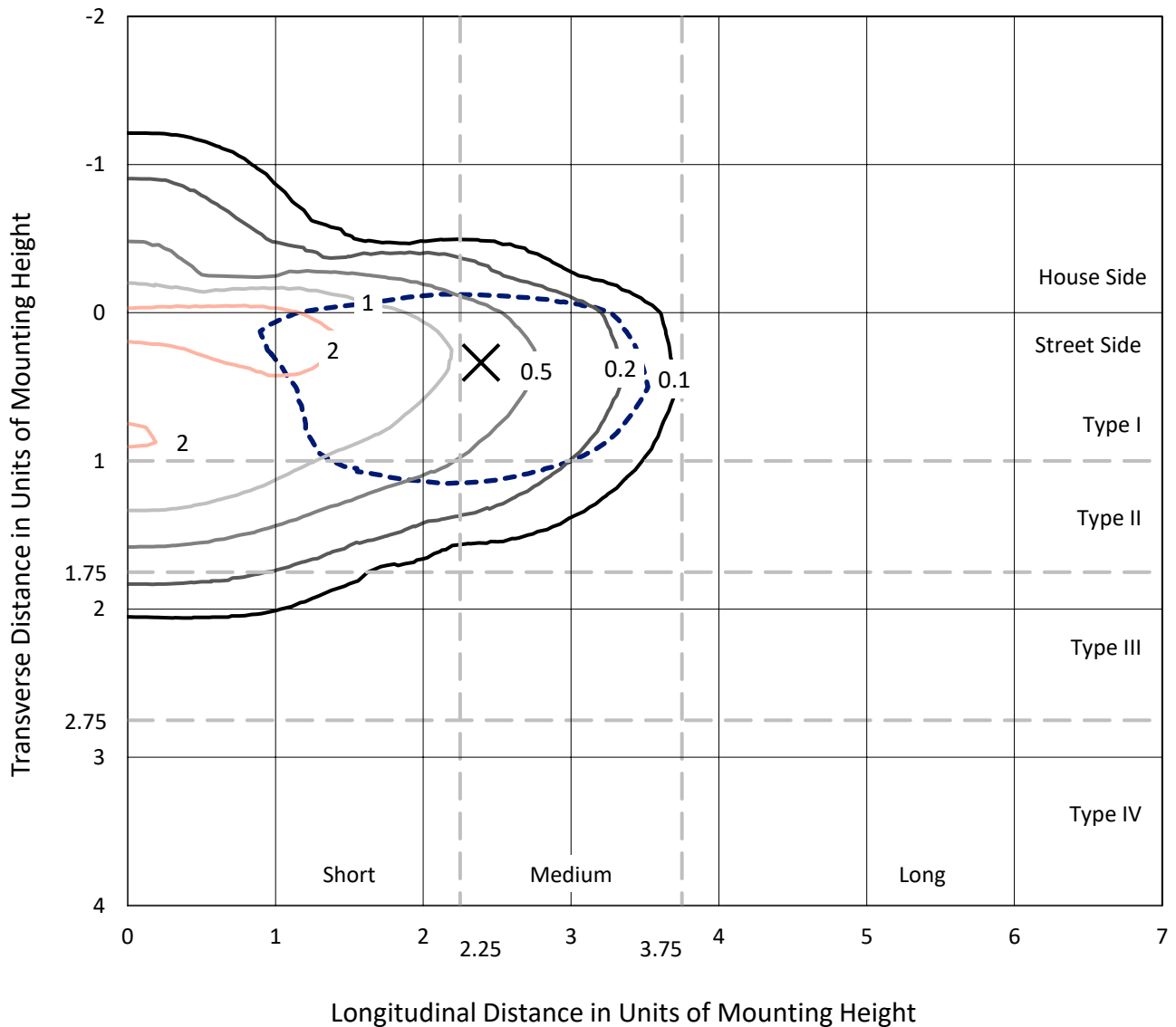
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

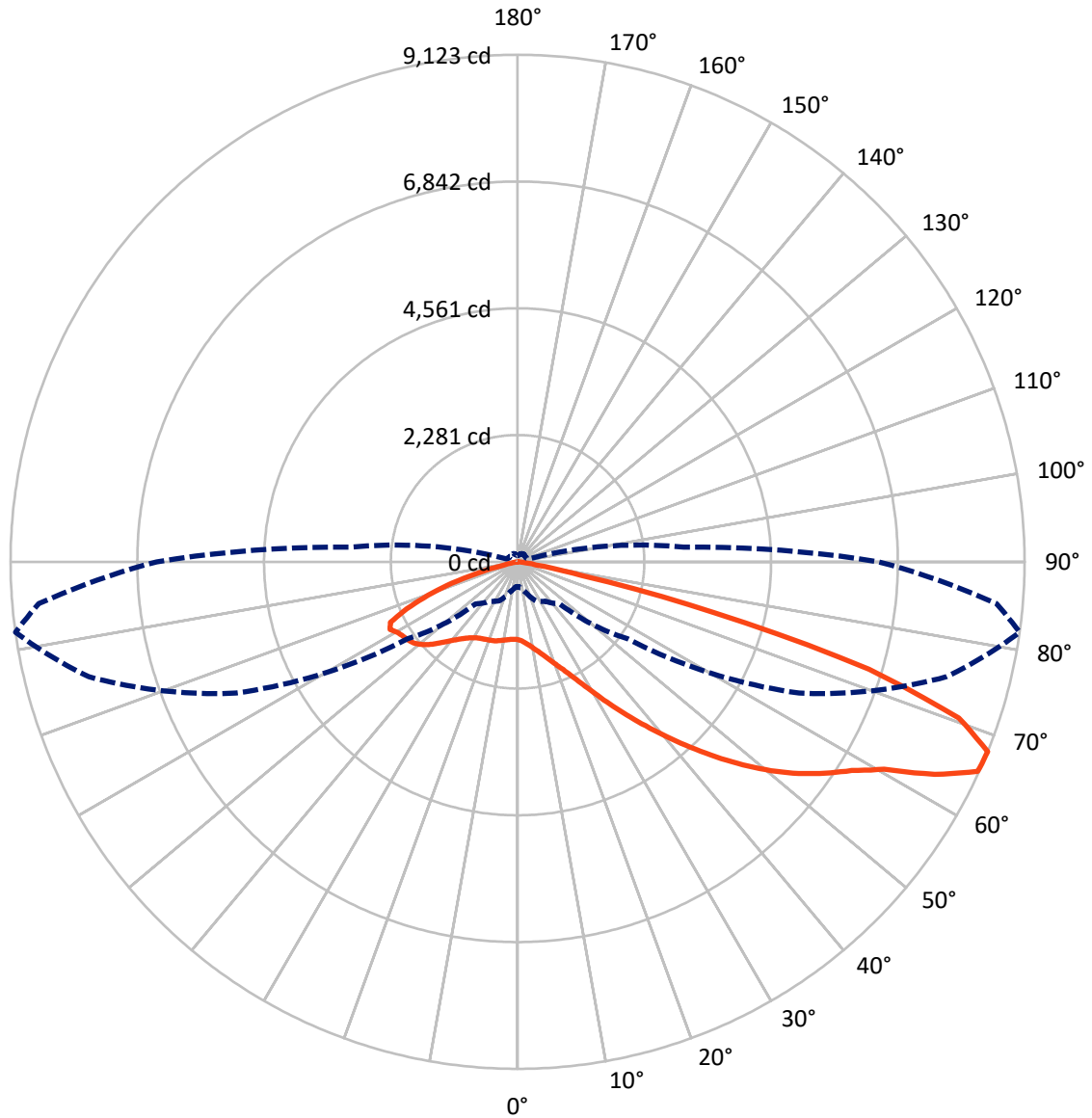
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1531.4	0.0	1531.4
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	6922.6	0.0	6922.6
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	8454.0	0.0	8454.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.8	1.5
10°-20°	324.2	3.8
20°-30°	519.3	6.1
30°-40°	918.4	10.9
40°-50°	1609.0	19.0
50°-60°	2146.0	25.4
60°-70°	1997.8	23.6
70°-80°	766.8	9.1
80°-90°	47.6	0.6
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°	8454.0	100.0
0°-180°	8454.0	100.0

**Coefficient of Utilization**

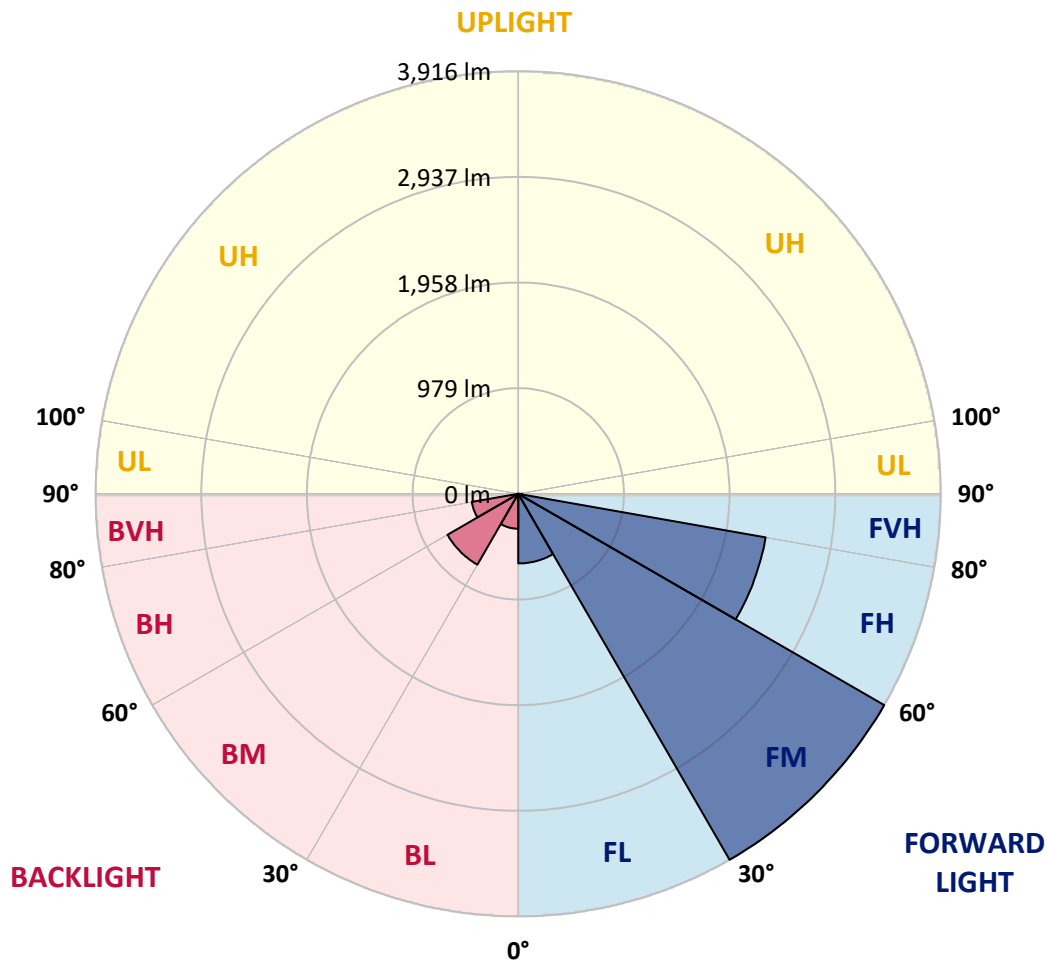


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.9	7.6			
FM (30°-60°)	3915.5	46.3			
FH (60°-80°)	2327.5	27.5			G2/5000
FVH (80°-90°)	34.6	0.4			G1/100
BL (0°-30°)	323.4	3.8	B1/500		
BM (30°-60°)	757.9	9.0	B1/1000		
BH (60°-80°)	437.1	5.2	B1/500		G1/500
BVH (80°-90°)	13.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5
2.5°	1480.3	1488.8	1483.9	1481.5	1477.2	1471.1	1466.3	1451.1	1435.2	1424.9
5°	1510.1	1518.6	1518.0	1520.4	1523.5	1525.3	1524.1	1507.1	1484.5	1466.9
7.5°	1484.5	1494.3	1502.2	1514.4	1535.7	1558.2	1569.1	1565.5	1542.4	1518.0
10°	1412.1	1422.5	1441.3	1469.9	1515.0	1563.7	1604.4	1623.3	1608.7	1581.9
12.5°	1279.4	1289.8	1326.9	1389.0	1464.5	1549.1	1627.0	1677.5	1681.1	1654.4
15°	1130.3	1140.6	1180.2	1258.1	1373.2	1508.9	1639.1	1734.7	1767.0	1743.8
17.5°	1037.8	1046.9	1076.7	1139.4	1259.3	1428.5	1634.9	1795.6	1869.2	1851.0
20°	1009.8	1017.7	1031.7	1075.5	1175.3	1345.2	1606.9	1852.8	1979.4	1969.0
22.5°	1039.6	1046.9	1051.2	1070.6	1133.3	1290.4	1571.6	1911.2	2107.2	2108.4
25°	1108.4	1115.7	1110.8	1123.0	1150.4	1273.3	1558.2	1980.0	2267.9	2281.3
27.5°	1221.6	1222.2	1210.6	1210.0	1214.3	1298.9	1572.2	2053.6	2470.6	2495.5
30°	1448.6	1439.5	1395.1	1347.0	1325.1	1375.6	1611.1	2140.7	2709.8	2754.2
32.5°	1798.6	1785.2	1703.7	1588.6	1473.0	1499.1	1681.1	2239.9	2970.3	3050.6
35°	2178.4	2174.8	2089.6	1918.5	1716.4	1675.1	1795.0	2370.1	3254.5	3382.4
37.5°	2531.4	2529.6	2480.9	2279.5	2033.6	1920.3	1977.6	2540.6	3558.9	3743.9
40°	2854.0	2859.5	2810.8	2630.7	2382.9	2235.0	2225.9	2751.2	3897.3	4137.7
42.5°	3132.8	3138.9	3089.6	2956.3	2728.0	2583.2	2530.8	3009.2	4227.8	4560.7
45°	3322.1	3359.8	3352.5	3246.0	3082.3	2931.9	2897.3	3333.1	4604.6	5009.3
47.5°	3375.7	3410.4	3465.1	3479.7	3379.9	3232.0	3273.4	3723.2	4985.6	5458.5
50°	3243.6	3275.8	3389.7	3541.2	3610.6	3565.0	3639.2	4141.4	5375.7	5906.5
52.5°	2983.1	3015.9	3159.6	3399.4	3682.4	3826.1	4006.2	4553.4	5753.7	6330.7
55°	2606.3	2641.0	2825.4	3096.9	3545.5	3933.8	4312.4	4964.9	6100.1	6712.4
57.5°	2093.8	2119.4	2311.1	2690.9	3201.0	3826.7	4538.2	5414.1	6426.3	7087.3
60°	1364.6	1387.2	1609.9	2033.6	2630.0	3468.8	4583.3	5915.0	6859.7	7574.9
62.5°	907.5	922.7	1054.8	1365.8	1852.2	2781.6	4319.7	6314.9	7495.1	8423.3
65°	622.7	637.9	770.0	986.6	1196.6	1840.0	3561.9	6262.0	8070.9	9097.1
67.5°	444.3	457.1	569.1	773.6	866.1	1068.8	2414.6	5585.1	7988.1	9122.7
70°	318.3	325.6	418.2	602.6	688.4	642.1	1342.7	4271.6	6994.2	8423.9
72.5°	222.8	225.2	290.3	458.9	554.5	468.7	639.1	2848.0	5289.9	6611.9
75°	150.9	154.0	195.4	336.6	444.9	357.9	338.4	1527.1	3105.4	3659.9
77.5°	92.5	93.7	126.0	230.1	332.9	272.7	217.9	647.0	1201.5	1179.6
80°	52.3	52.3	80.3	143.0	227.0	175.9	152.8	275.1	380.4	334.2
82.5°	29.2	29.8	58.4	88.9	150.3	104.1	84.0	127.2	164.3	145.5
85°	12.2	13.4	35.9	42.0	71.8	51.7	34.1	53.6	60.9	54.2
87.5°	1.2	1.8	11.0	7.9	8.5	10.3	4.9	10.3	8.5	8.5
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°
1400.5	0°	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5	1400.5
1421.2	2.5°	1409.7	1400.5	1377.4	1350.6	1315.3	1298.3	1275.2	1259.3	1245.9	1247.2
1456.5	5°	1437.1	1413.9	1362.2	1297.7	1217.3	1160.1	1099.3	1057.3	1023.2	1015.9
1505.2	7.5°	1474.8	1438.3	1347.6	1231.3	1095.6	992.7	900.8	841.8	799.8	786.4
1564.3	10°	1523.5	1470.5	1328.7	1147.9	952.6	821.7	723.1	676.8	648.2	638.5
1633.7	12.5°	1580.1	1507.7	1303.8	1046.3	805.3	679.3	616.6	593.4	584.3	581.3
1718.9	15°	1651.3	1553.9	1266.0	925.8	680.5	592.2	565.5	562.4	563.6	562.4
1821.1	17.5°	1735.9	1604.4	1204.6	801.6	596.5	547.8	538.1	540.5	543.5	542.9
1935.6	20°	1828.4	1654.4	1126.0	691.4	539.3	516.1	510.7	513.1	515.5	514.3
2067.6	22.5°	1933.7	1707.9	1039.0	605.6	500.9	486.9	480.8	481.5	481.5	479.0
2235.0	25°	2059.7	1767.0	947.7	544.8	471.7	460.8	453.5	451.0	447.4	440.1
2438.3	27.5°	2210.1	1829.7	860.0	502.1	448.6	438.2	429.7	423.6	414.5	402.3
2682.4	30°	2379.3	1905.7	785.8	475.4	430.3	420.0	410.2	401.1	387.7	372.5
2963.0	32.5°	2578.3	1987.3	731.6	457.7	413.9	402.9	391.4	380.4	365.8	350.6
3278.3	35°	2815.7	2085.9	700.0	445.5	401.1	386.5	373.7	361.5	350.6	337.2
3621.0	37.5°	3073.2	2190.6	690.2	439.5	392.6	370.1	355.5	346.9	345.7	337.8
3991.6	40°	3355.0	2314.8	697.5	435.8	383.5	354.2	338.4	336.6	339.6	325.6
4387.9	42.5°	3653.2	2462.1	709.7	431.5	370.7	338.4	323.2	323.2	320.8	301.3
4806.6	45°	3975.8	2631.9	721.9	421.2	355.5	322.6	311.0	306.8	296.4	277.6
5227.8	47.5°	4300.8	2804.7	731.0	402.3	337.2	309.2	298.9	289.1	273.9	256.9
5641.1	50°	4609.4	2959.9	721.3	374.3	316.5	296.4	285.5	272.1	255.6	244.1
6032.5	52.5°	4885.2	3094.5	679.9	341.5	294.6	283.0	273.3	259.3	245.9	233.7
6385.5	55°	5125.0	3203.4	606.8	310.4	275.1	271.5	261.7	244.1	225.8	215.5
6735.5	57.5°	5355.0	3286.2	515.5	284.9	257.5	258.7	244.1	228.2	211.2	200.3
7207.2	60°	5661.2	3397.0	423.0	261.1	238.6	242.2	226.4	214.9	193.6	179.6
8016.1	62.5°	6150.6	3569.2	336.0	231.9	216.7	217.9	211.2	197.2	171.6	155.2
8615.7	65°	6538.9	3505.9	264.8	200.3	191.7	193.6	193.6	178.3	150.9	132.1
8647.9	67.5°	6495.1	3001.9	211.2	169.2	168.0	169.2	173.5	160.7	133.9	118.7
7989.4	70°	5983.2	2387.8	169.2	140.6	146.1	143.0	155.2	146.7	120.5	105.3
6193.8	72.5°	4882.1	1720.1	129.0	116.3	112.0	116.9	140.0	132.1	100.4	83.4
3280.7	75°	2852.8	917.9	96.2	91.9	81.0	97.4	124.2	112.6	76.7	61.5
1005.5	77.5°	928.8	320.2	70.6	67.6	60.3	78.5	105.9	95.0	62.7	48.7
294.6	80°	248.9	96.8	48.1	44.4	39.0	58.4	84.0	75.5	45.0	31.7
126.6	82.5°	99.8	40.8	28.0	25.0	21.3	40.2	66.3	60.9	33.5	20.1
39.6	85°	32.3	13.4	10.3	7.9	9.7	25.0	39.6	41.4	23.7	10.3
6.1	87.5°	4.3	1.8	1.8	2.4	1.8	4.3	12.2	11.6	6.7	1.2
0.0	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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180°
<hr/>
1400.5
1235.0
999.4
773.0
631.2
579.5
561.8
541.7
513.7
477.8
438.8
401.1
371.3
351.2
336.0
337.2
326.2
301.3
276.9
256.2
242.2
232.5
214.3
199.0
177.7
154.0
130.3
116.3
103.5
81.6
59.6
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31.0
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