

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: P847845

Luminaire Tested: **GLAN-SB4A-850-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847845  
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-850-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 5000K, 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: 11272 lumens  
Efficiency: N/A  
Efficacy: 98.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

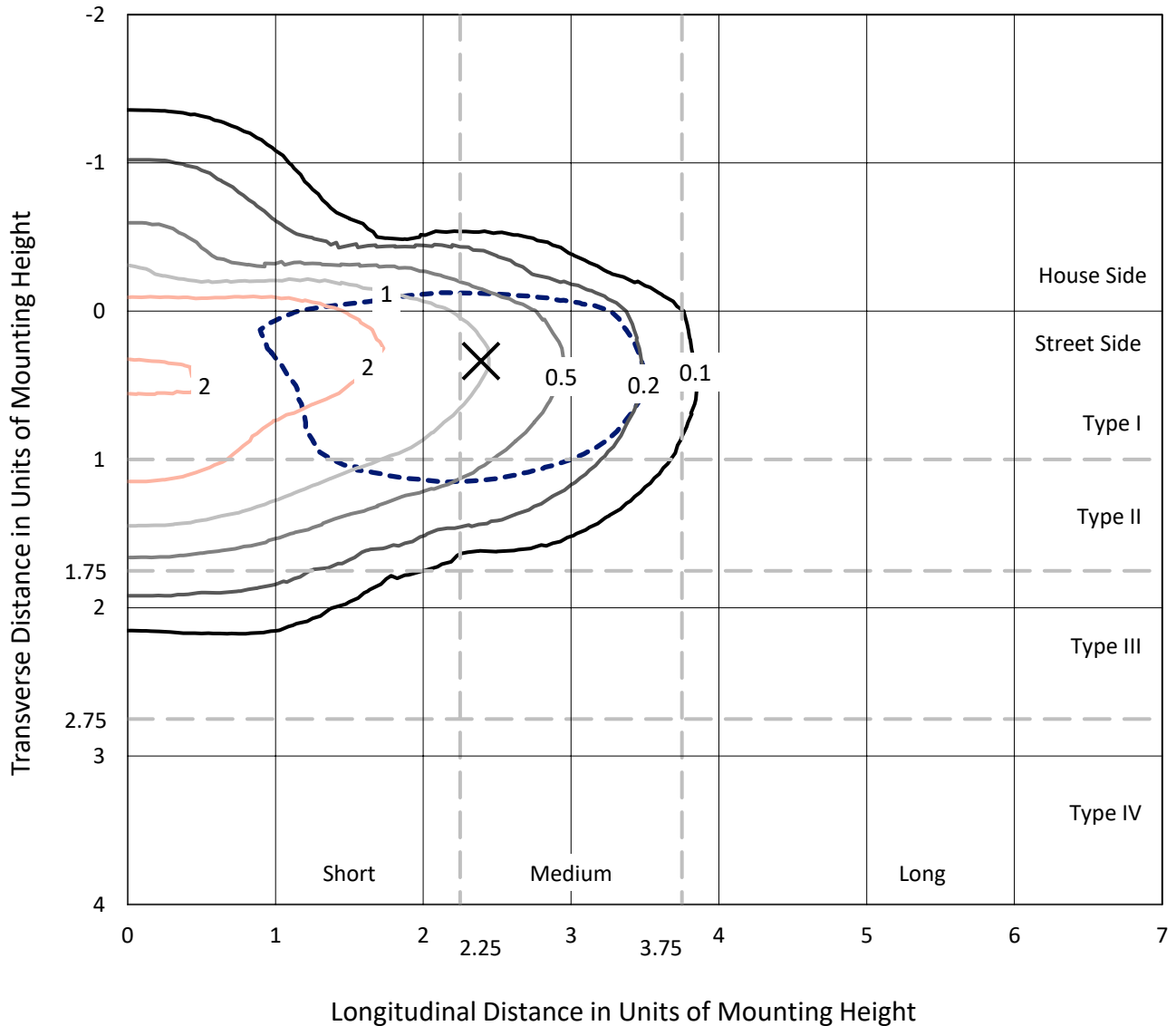
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

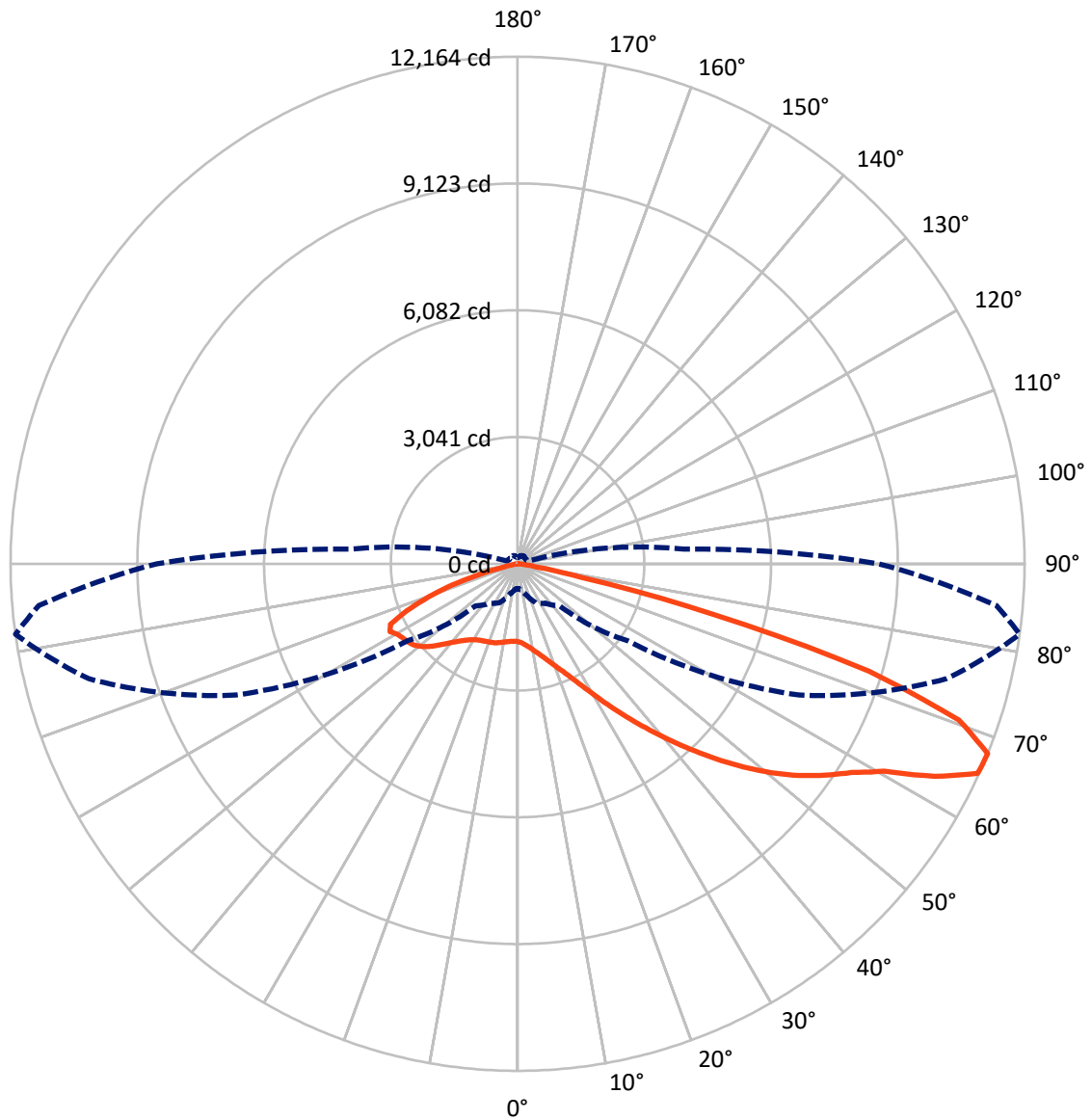
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	2041.8	0.0	2041.8
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	9230.2	0.0	9230.2
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	11272.0	0.0	11272.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	166.4	1.5
10°-20°	432.3	3.8
20°-30°	692.5	6.1
30°-40°	1224.5	10.9
40°-50°	2145.4	19.0
50°-60°	2861.4	25.4
60°-70°	2663.8	23.6
70°-80°	1022.3	9.1
80°-90°	63.5	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°	11272.0	100.0
0°-180°	11272.0	100.0

**Coefficient of Utilization**

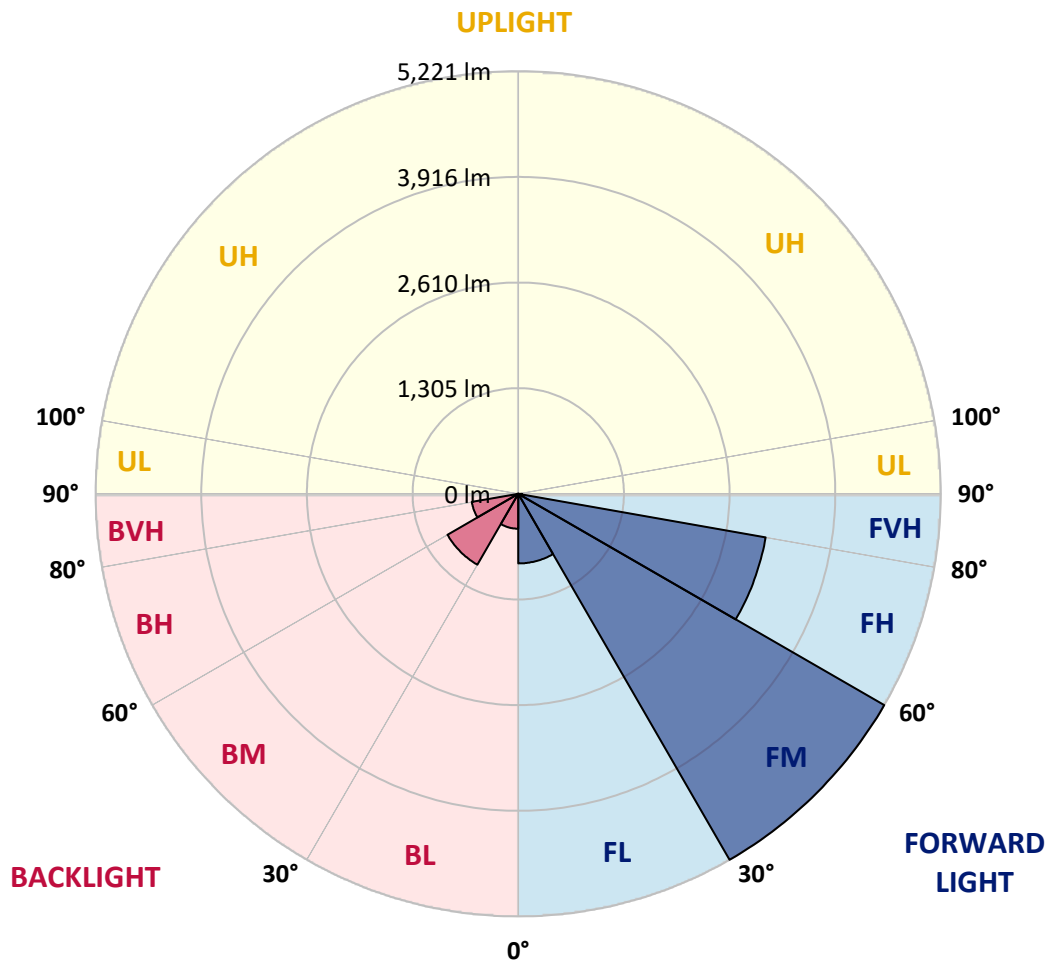


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	859.9	7.6			
FM (30°-60°)	5220.7	46.3			
FH (60°-80°)	3103.3	27.5			G2/5000
FVH (80°-90°)	46.2	0.4			G1/100
BL (0°-30°)	431.2	3.8	B1/500		
BM (30°-60°)	1010.5	9.0	B2/2500		
BH (60°-80°)	582.8	5.2	B2/1000		G2/1000
BVH (80°-90°)	17.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4
2.5°	1973.7	1985.1	1978.6	1975.3	1969.6	1961.5	1955.0	1934.7	1913.6	1899.9
5°	2013.5	2024.8	2024.0	2027.3	2031.3	2033.8	2032.1	2009.4	1979.4	1955.8
7.5°	1979.4	1992.4	2002.9	2019.1	2047.6	2077.6	2092.2	2087.3	2056.5	2024.0
10°	1882.8	1896.6	1921.8	1959.9	2020.0	2084.9	2139.3	2164.4	2144.9	2109.2
12.5°	1705.9	1719.7	1769.2	1852.0	1952.6	2065.4	2169.3	2236.6	2241.5	2205.8
15°	1507.1	1520.9	1573.6	1677.5	1830.9	2011.8	2185.5	2312.9	2355.9	2325.1
17.5°	1383.7	1395.9	1435.6	1519.2	1679.1	1904.7	2179.8	2394.1	2492.3	2467.9
20°	1346.4	1356.9	1375.6	1434.0	1567.1	1793.5	2142.5	2470.4	2639.2	2625.4
22.5°	1386.1	1395.9	1401.6	1427.5	1511.1	1720.5	2095.4	2548.3	2809.6	2811.2
25°	1477.8	1487.6	1481.1	1497.3	1533.8	1697.8	2077.6	2640.0	3023.9	3041.7
27.5°	1628.8	1629.6	1614.2	1613.4	1619.1	1731.9	2096.2	2738.2	3294.1	3327.4
30°	1931.5	1919.3	1860.1	1796.0	1766.8	1834.1	2148.2	2854.2	3613.0	3672.3
32.5°	2398.1	2380.3	2271.5	2118.2	1964.0	1998.9	2241.5	2986.5	3960.4	4067.5
35°	2904.6	2899.7	2786.1	2558.0	2288.6	2233.4	2393.3	3160.2	4339.4	4509.8
37.5°	3375.3	3372.8	3307.9	3039.3	2711.4	2560.5	2636.7	3387.4	4745.2	4991.9
40°	3805.4	3812.7	3747.8	3507.5	3177.2	2980.0	2967.9	3668.2	5196.4	5517.0
42.5°	4177.1	4185.2	4119.5	3941.7	3637.4	3444.2	3374.4	4012.3	5637.1	6081.0
45°	4429.5	4479.8	4470.0	4328.0	4109.7	3909.3	3863.0	4444.1	6139.4	6679.1
47.5°	4500.9	4547.1	4620.2	4639.7	4506.6	4309.4	4364.5	4964.3	6647.5	7278.0
50°	4324.8	4367.8	4519.6	4721.6	4814.1	4753.3	4852.3	5521.8	7167.7	7875.3
52.5°	3977.4	4021.3	4212.8	4532.5	4909.9	5101.4	5341.7	6071.2	7671.6	8441.0
55°	3475.1	3521.3	3767.2	4129.2	4727.3	5245.1	5749.9	6619.9	8133.4	8949.8
57.5°	2791.8	2825.8	3081.5	3587.9	4268.0	5102.2	6051.0	7218.8	8568.4	9449.8
60°	1819.5	1849.5	2146.6	2711.4	3506.7	4625.1	6111.0	7886.7	9146.2	10099.8
62.5°	1210.0	1230.3	1406.4	1821.1	2469.6	3708.8	5759.6	8419.9	9993.5	11231.1
65°	830.2	850.5	1026.6	1315.5	1595.5	2453.3	4749.2	8349.3	10761.2	12129.5
67.5°	592.4	609.5	758.8	1031.5	1154.8	1425.1	3219.4	7446.8	10650.9	12163.6
70°	424.4	434.2	557.5	803.4	917.9	856.2	1790.3	5695.5	9325.6	11231.9
72.5°	297.0	300.3	387.1	611.9	739.3	624.9	852.1	3797.3	7053.2	8815.9
75°	201.3	205.3	260.5	448.8	593.2	477.2	451.2	2036.2	4140.6	4879.9
77.5°	123.4	125.0	168.0	306.8	443.9	363.6	290.5	862.7	1602.0	1572.8
80°	69.8	69.8	107.1	190.7	302.7	234.5	203.7	366.8	507.2	445.5
82.5°	39.0	39.8	77.9	118.5	200.5	138.8	112.0	169.6	219.1	194.0
85°	16.2	17.9	47.9	56.0	95.8	69.0	45.4	71.4	81.2	72.2
87.5°	1.6	2.4	14.6	10.6	11.4	13.8	6.5	13.8	11.4	11.4
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°
1867.4	0°	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4	1867.4
1895.0	2.5°	1879.6	1867.4	1836.5	1800.8	1753.8	1731.0	1700.2	1679.1	1661.3	1662.9
1942.1	5°	1916.1	1885.2	1816.3	1730.2	1623.1	1546.8	1465.7	1409.7	1364.2	1354.5
2007.0	7.5°	1966.4	1917.7	1796.8	1641.8	1460.8	1323.6	1201.1	1122.4	1066.4	1048.5
2085.7	10°	2031.3	1960.7	1771.6	1530.6	1270.1	1095.6	964.1	902.4	864.3	851.3
2178.2	12.5°	2106.8	2010.2	1738.4	1395.1	1073.7	905.7	822.1	791.3	779.1	775.0
2291.8	15°	2201.7	2071.9	1688.0	1234.4	907.3	789.6	753.9	749.9	751.5	749.9
2428.2	17.5°	2314.6	2139.3	1606.1	1068.8	795.3	730.4	717.4	720.7	724.7	723.9
2580.7	20°	2437.9	2205.8	1501.4	921.9	719.0	688.2	680.9	684.1	687.4	685.8
2756.9	22.5°	2578.3	2277.2	1385.3	807.5	667.9	649.2	641.1	641.9	641.9	638.7
2980.0	25°	2746.3	2355.9	1263.6	726.3	629.0	614.3	604.6	601.4	596.5	586.8
3251.1	27.5°	2946.8	2439.5	1146.7	669.5	598.1	584.3	573.0	564.8	552.7	536.4
3576.5	30°	3172.4	2541.0	1047.7	633.8	573.8	560.0	547.0	534.8	517.0	496.7
3950.7	32.5°	3437.7	2649.7	975.5	610.3	551.9	537.2	521.8	507.2	487.7	467.5
4371.0	35°	3754.3	2781.2	933.3	594.1	534.8	515.3	498.3	482.1	467.5	449.6
4827.9	37.5°	4097.5	2920.8	920.3	585.9	523.5	493.4	473.9	462.6	461.0	450.4
5322.2	40°	4473.3	3086.3	930.0	581.1	511.3	472.3	451.2	448.8	452.8	434.2
5850.5	42.5°	4871.0	3282.7	946.3	575.4	494.2	451.2	430.9	430.9	427.7	401.7
6408.9	45°	5301.1	3509.2	962.5	561.6	473.9	430.1	414.7	409.0	395.2	370.1
6970.4	47.5°	5734.5	3739.6	974.7	536.4	449.6	412.3	398.5	385.5	365.2	342.5
7521.5	50°	6145.9	3946.6	961.7	499.1	422.0	395.2	380.6	362.8	340.9	325.4
8043.3	52.5°	6513.5	4125.9	906.5	455.3	392.8	377.4	364.4	345.7	327.9	311.6
8514.0	55°	6833.3	4271.2	809.1	413.9	366.8	362.0	349.0	325.4	301.1	287.3
8980.7	57.5°	7140.1	4381.6	687.4	379.8	343.3	344.9	325.4	304.3	281.6	267.0
9609.6	60°	7548.3	4529.3	564.0	348.2	318.1	323.0	301.9	286.5	258.1	239.4
10688.2	62.5°	8200.8	4759.0	448.0	309.2	288.9	290.5	281.6	262.9	228.9	206.9
11487.6	65°	8718.5	4674.6	353.0	267.0	255.6	258.1	258.1	237.8	201.3	176.1
11530.6	67.5°	8660.1	4002.6	281.6	225.6	224.0	225.6	231.3	214.3	178.5	158.3
10652.5	70°	7977.6	3183.7	225.6	187.5	194.8	190.7	206.9	195.6	160.7	140.4
8258.4	72.5°	6509.5	2293.5	172.0	155.0	149.3	155.8	186.7	176.1	133.9	111.2
4374.3	75°	3803.8	1223.8	128.2	122.5	107.9	129.8	165.6	150.1	102.3	82.0
1340.7	77.5°	1238.4	426.9	94.1	90.1	80.3	104.7	141.2	126.6	83.6	64.9
392.8	80°	331.9	129.0	64.1	59.2	51.9	77.9	112.0	100.6	60.1	42.2
168.8	82.5°	133.1	54.4	37.3	33.3	28.4	53.6	88.5	81.2	44.6	26.8
52.8	85°	43.0	17.9	13.8	10.6	13.0	33.3	52.8	55.2	31.7	13.8
8.1	87.5°	5.7	2.4	2.4	3.2	2.4	5.7	16.2	15.4	8.9	1.6
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/>
1867.4
1646.6
1332.6
1030.7
841.6
772.6
749.1
722.3
685.0
637.1
585.1
534.8
495.0
468.3
448.0
449.6
435.0
401.7
369.3
341.7
323.0
310.0
285.7
265.4
237.0
205.3
173.7
155.0
138.0
108.7
79.5
62.5
41.4
26.8
10.6
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