

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: P852753

Luminaire Tested: **GLAN-SB6A-927-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17314 lumens  
Efficiency: N/A  
Efficacy: 101.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

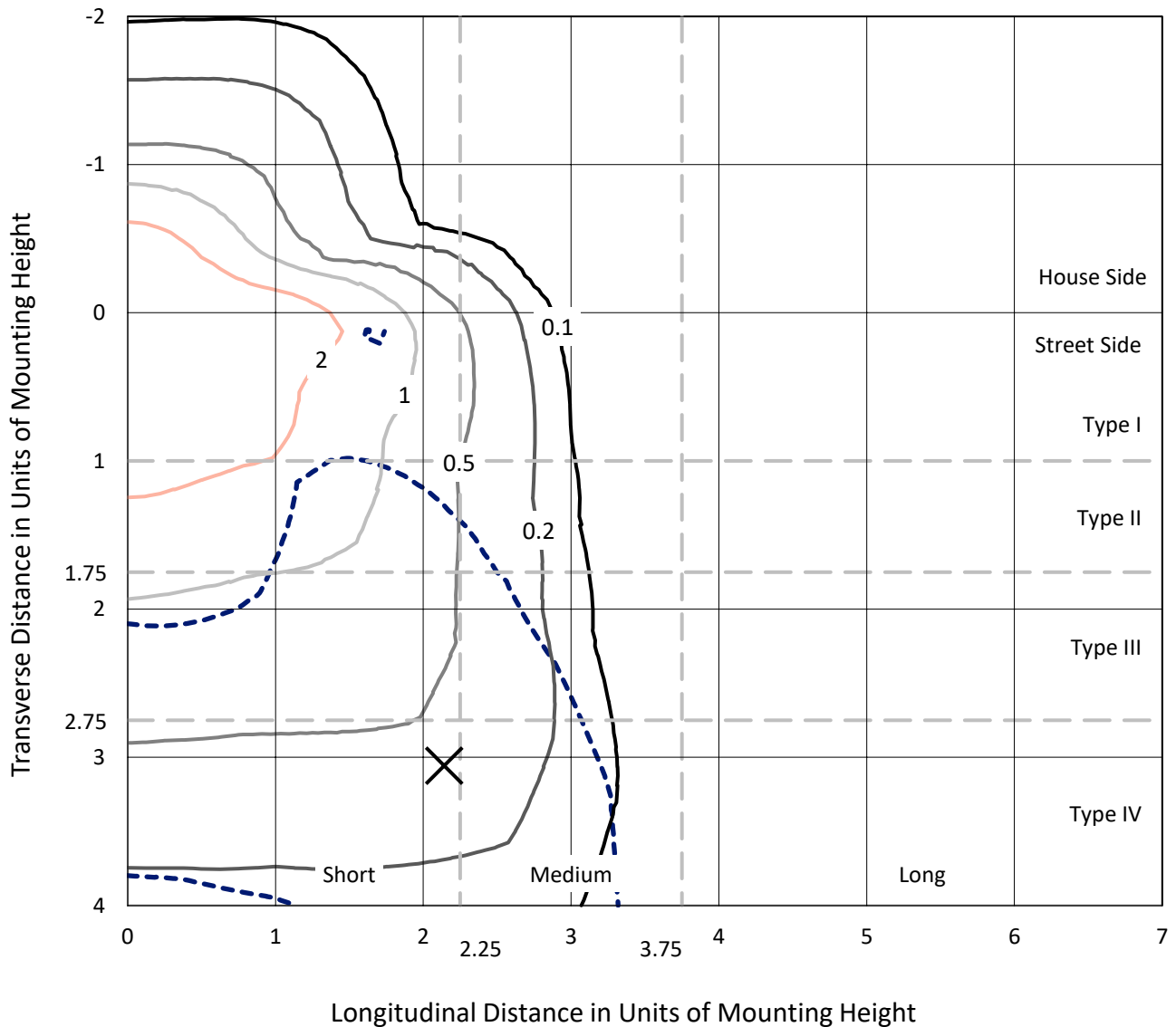
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

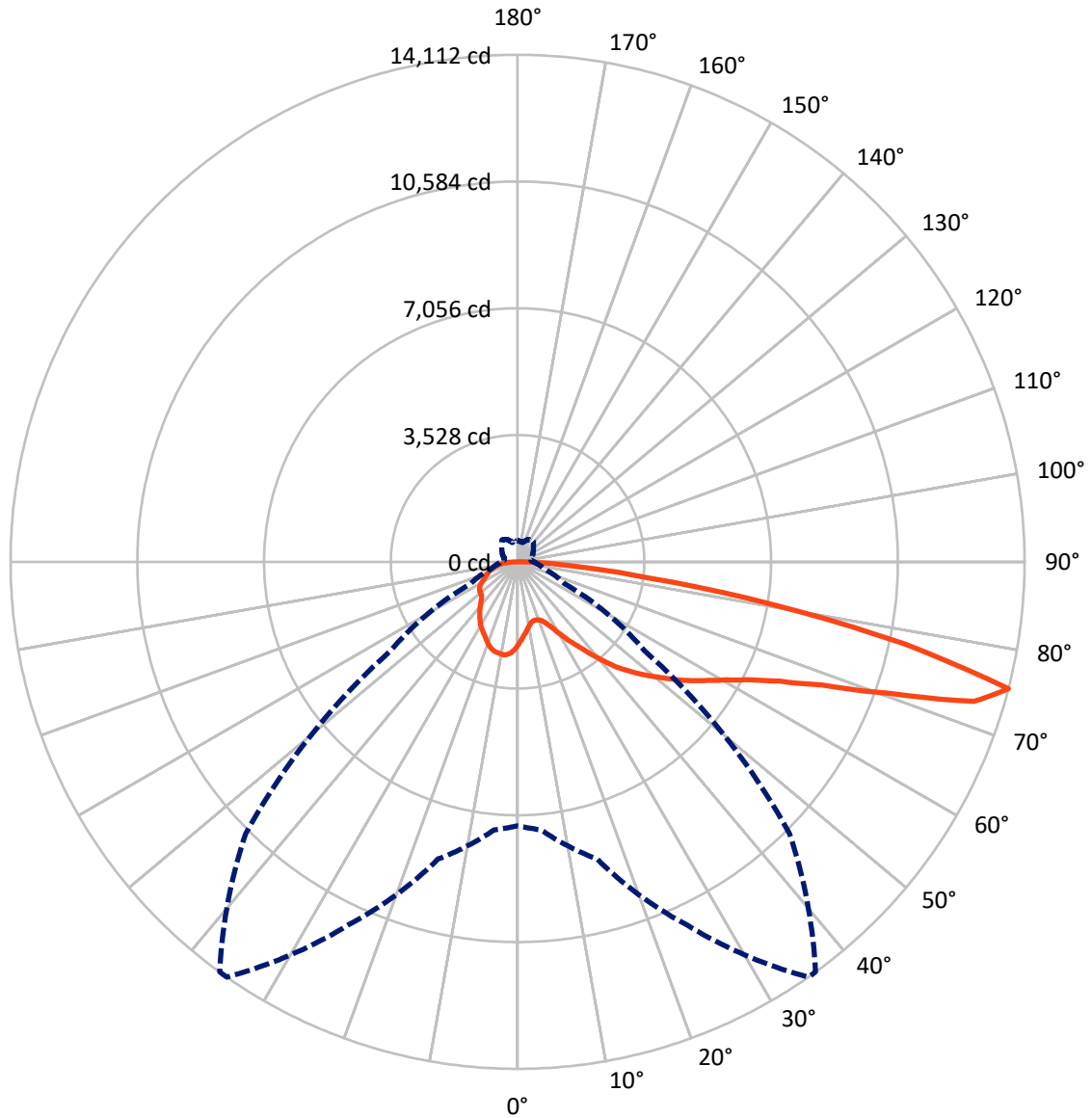
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4120.3	0.0	4120.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	13193.7	0.0	13193.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	17314.0	0.0	17314.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	218.4	1.3
10°-20°	630.1	3.6
20°-30°	1058.1	6.1
30°-40°	1644.4	9.5
40°-50°	2440.8	14.1
50°-60°	3369.6	19.5
60°-70°	4088.1	23.6
70°-80°	3378.5	19.5
80°-90°	485.9	2.8
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°	17314.0	100.0
0°-180°	17314.0	100.0

**Coefficient of Utilization**



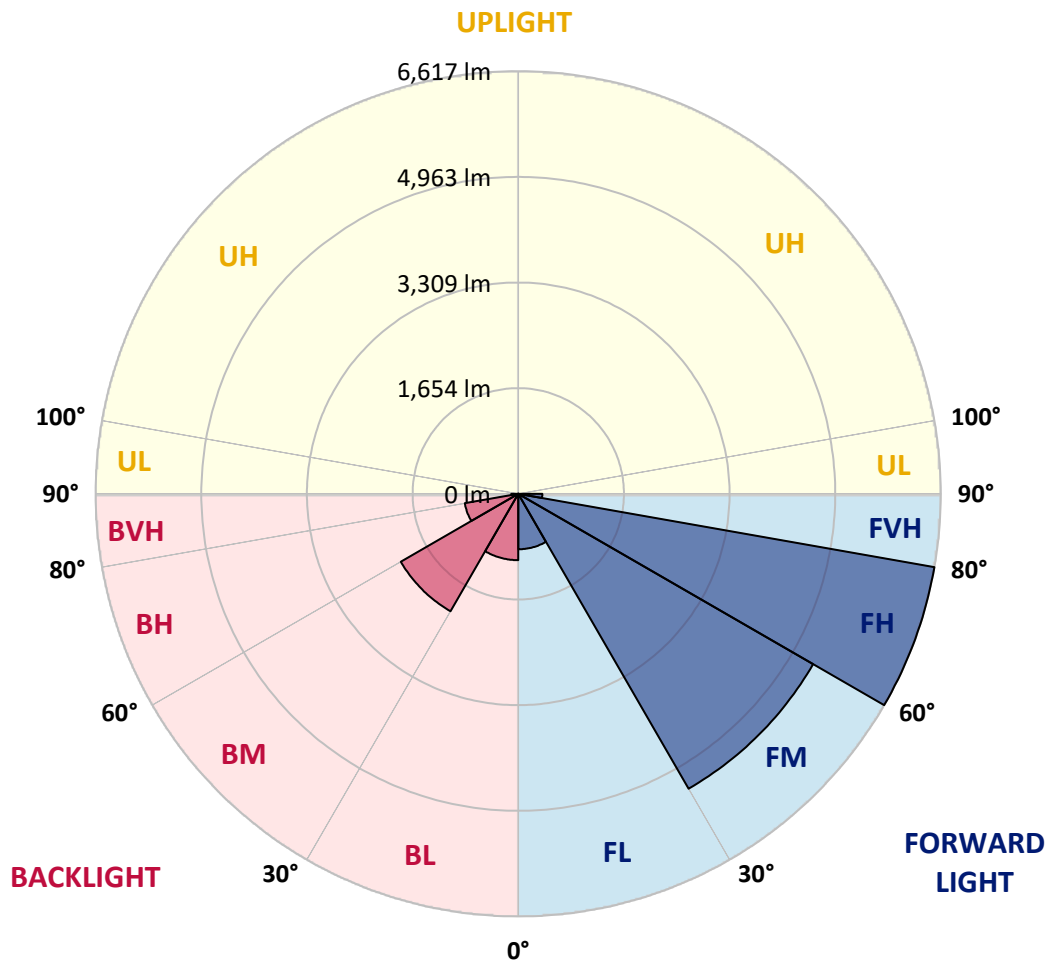
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	868.3	5.0			
FM (30°-60°)	5331.8	30.8			
FH (60°-80°)	6617.1	38.2			G3/7500
FVH (80°-90°)	376.5	2.2			G3/500
BL (0°-30°)	1038.4	6.0	B3/2500		
BM (30°-60°)	2123.0	12.3	B2/2500		
BH (60°-80°)	849.5	4.9	B2/1000		G2/1000
BVH (80°-90°)	109.4	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2
2.5°	2127.5	2140.6	2146.2	2143.4	2157.4	2155.6	2175.2	2199.6	2233.3	2266.0
5°	1963.7	1977.7	1989.9	2001.1	2028.3	2036.7	2067.6	2114.4	2176.2	2238.9
7.5°	1811.1	1823.3	1842.0	1862.6	1908.5	1916.9	1968.4	2041.4	2127.5	2219.2
10°	1686.6	1698.8	1718.5	1741.9	1799.0	1809.3	1874.8	1972.1	2084.4	2200.5
12.5°	1633.3	1637.0	1648.3	1671.7	1721.3	1727.8	1799.9	1911.3	2042.3	2186.5
15°	1630.5	1638.0	1638.9	1651.1	1692.3	1695.1	1761.5	1872.0	2016.1	2183.7
17.5°	1658.6	1664.2	1655.8	1663.2	1697.9	1702.6	1755.0	1853.3	2007.7	2195.8
20°	1733.4	1738.1	1712.9	1702.6	1727.8	1731.6	1783.1	1865.4	2016.1	2221.1
22.5°	1892.6	1895.4	1833.6	1791.5	1793.4	1795.2	1840.2	1915.0	2048.9	2267.0
25°	2140.6	2138.7	2040.5	1959.0	1912.2	1901.9	1931.9	1995.5	2104.1	2327.8
27.5°	2430.8	2416.7	2318.4	2196.8	2094.7	2079.8	2073.2	2100.4	2182.7	2408.3
30°	2758.4	2745.2	2639.5	2480.4	2339.0	2314.7	2252.9	2238.9	2299.7	2517.8
32.5°	3117.8	3109.3	2983.0	2790.2	2601.1	2573.0	2469.1	2431.7	2479.4	2683.5
35°	3419.2	3411.7	3306.8	3108.4	2877.2	2842.6	2736.8	2694.7	2719.0	2895.9
37.5°	3691.5	3687.8	3597.9	3441.6	3202.9	3160.8	3042.0	3027.9	3023.2	3175.8
40°	3944.2	3934.9	3841.3	3758.9	3582.0	3543.6	3438.8	3426.6	3391.1	3520.2
42.5°	4224.1	4199.8	4064.1	4025.7	3977.9	3946.1	3883.4	3885.3	3806.7	3908.7
45°	4452.5	4438.4	4299.0	4276.5	4328.0	4314.9	4369.2	4383.2	4230.7	4315.8
47.5°	4697.7	4684.6	4566.7	4550.8	4690.2	4694.0	4885.9	4890.5	4644.4	4738.9
50°	5000.0	4981.3	4864.3	4884.0	5040.3	5054.3	5405.3	5373.5	5025.3	5168.5
52.5°	5199.4	5210.6	5185.4	5217.2	5430.6	5443.7	5916.4	5834.9	5402.5	5592.5
55°	5346.4	5368.8	5447.4	5520.5	5842.4	5855.5	6398.4	6273.9	5715.1	5985.6
57.5°	5535.4	5503.6	5650.6	5792.8	6233.7	6268.3	6867.3	6697.0	5992.2	6324.5
60°	5806.9	5784.4	5898.6	6109.2	6671.7	6726.9	7363.4	7077.9	6195.3	6593.1
62.5°	6357.2	6301.1	6318.8	6505.1	7223.9	7297.0	7923.1	7410.2	6296.4	6697.9
65°	7180.0	7083.5	6993.7	7122.9	8001.8	8073.8	8554.9	7671.3	6258.9	6494.8
67.5°	8216.1	8120.6	8010.2	8131.9	9147.4	9204.5	9334.6	7818.3	5964.1	5712.3
70°	9070.6	9035.1	9167.1	9667.8	10977.3	10979.1	10334.2	7696.6	5156.4	4050.0
72.5°	8957.4	8935.9	9631.3	11179.4	13283.5	13233.9	11280.5	6775.6	3473.4	1827.0
75°	7348.4	7487.9	8565.2	11152.3	14111.9	14105.3	10701.1	4307.4	1436.7	757.2
77.5°	3940.5	4161.4	5560.7	8233.9	11016.6	11182.2	7523.5	1506.9	616.8	484.8
80°	1285.1	1477.9	2216.4	4192.3	7158.4	7127.5	3224.5	591.5	422.1	343.5
82.5°	545.7	568.1	990.3	1979.6	3673.7	3616.7	1026.8	339.8	296.7	234.9
85°	213.4	238.7	437.1	915.4	1591.2	1556.5	370.7	168.5	190.0	153.5
87.5°	70.2	85.2	156.3	313.6	495.1	477.4	90.8	58.0	82.4	70.2
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°
2307.2	0°	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2	2307.2
2313.8	2.5°	2326.9	2341.8	2359.6	2385.8	2408.3	2427.0	2446.7	2458.8	2463.5	2477.6
2317.5	5°	2343.7	2376.5	2420.5	2463.5	2505.6	2530.9	2553.4	2564.6	2574.9	2582.4
2327.8	7.5°	2371.8	2413.9	2483.2	2539.3	2574.9	2595.5	2610.5	2606.7	2610.5	2612.3
2339.0	10°	2396.1	2455.1	2537.5	2590.8	2618.0	2618.9	2615.1	2602.0	2595.5	2596.4
2355.9	12.5°	2425.1	2490.7	2579.6	2624.5	2632.0	2611.4	2595.5	2573.0	2564.6	2560.9
2381.2	15°	2464.5	2539.3	2625.4	2642.3	2623.6	2597.4	2570.2	2533.7	2515.0	2500.0
2424.2	17.5°	2512.2	2594.6	2661.0	2648.8	2608.6	2565.5	2521.5	2466.3	2427.9	2412.0
2483.2	20°	2578.6	2652.6	2688.2	2634.8	2574.0	2508.4	2433.6	2366.2	2330.6	2314.7
2558.1	22.5°	2659.1	2730.3	2714.4	2610.5	2524.4	2419.5	2325.9	2276.3	2258.5	2247.3
2654.5	25°	2755.5	2816.4	2733.1	2574.9	2442.9	2301.6	2229.5	2213.6	2205.2	2196.8
2772.4	27.5°	2881.0	2913.7	2747.1	2522.5	2315.6	2176.2	2150.0	2152.8	2150.0	2135.9
2936.2	30°	3046.6	3040.1	2760.2	2437.3	2169.6	2062.9	2064.8	2077.0	2078.8	2069.5
3164.6	32.5°	3264.7	3198.3	2766.8	2326.9	2030.2	1963.7	1965.6	1978.7	1988.0	1972.1
3463.2	35°	3528.7	3382.7	2756.5	2188.3	1922.5	1869.2	1855.1	1858.9	1861.7	1846.7
3825.4	37.5°	3836.6	3589.5	2710.6	2034.8	1833.6	1776.5	1746.6	1721.3	1706.3	1692.3
4235.3	40°	4174.5	3815.1	2626.4	1885.1	1734.4	1678.2	1633.3	1585.6	1535.0	1516.3
4669.6	42.5°	4528.3	4047.2	2524.4	1741.9	1620.2	1574.3	1526.6	1457.3	1381.5	1343.1
5120.8	45°	4895.2	4284.9	2424.2	1600.5	1503.2	1483.5	1428.3	1345.0	1262.6	1214.0
5572.9	47.5°	5254.6	4509.6	2277.3	1458.3	1393.7	1415.2	1372.2	1295.4	1203.7	1126.9
6021.2	50°	5598.1	4720.2	2036.7	1314.1	1304.8	1394.6	1353.4	1243.0	1138.2	1039.9
6461.1	52.5°	5938.8	4890.5	1728.8	1183.1	1257.0	1389.0	1329.1	1207.4	1079.2	976.2
6874.8	55°	6228.1	4978.5	1432.1	1070.8	1187.8	1341.3	1300.1	1165.3	995.9	886.4
7158.4	57.5°	6392.8	4907.4	1185.0	960.3	1092.3	1262.6	1250.5	1075.4	896.7	812.4
7213.7	60°	6321.7	4619.1	982.8	863.9	1001.5	1177.5	1164.4	986.5	820.9	741.3
6917.9	62.5°	5929.5	4069.7	822.7	779.7	919.1	1090.4	1078.3	918.2	762.8	686.1
6132.6	65°	5139.5	3310.6	698.2	709.5	835.8	985.6	1003.4	861.1	717.0	642.1
4744.5	67.5°	3919.9	2398.0	600.9	648.6	754.4	882.6	934.1	819.9	678.6	607.5
2745.2	70°	2234.2	1361.9	518.5	589.7	682.3	787.2	880.8	787.2	637.4	578.4
1028.6	72.5°	847.1	625.2	448.3	530.7	613.1	706.7	821.8	735.7	589.7	545.7
531.6	75°	452.1	380.9	377.2	461.4	533.5	628.0	747.9	685.1	554.1	576.6
367.8	77.5°	307.9	269.6	315.4	395.0	446.5	541.0	669.2	608.4	480.2	478.3
254.6	80°	213.4	190.9	256.5	318.2	345.4	454.9	584.1	522.3	391.2	365.0
157.2	82.5°	128.2	124.5	191.9	237.7	244.3	351.0	483.9	438.0	320.1	278.9
93.6	85°	70.2	73.9	122.6	139.5	142.3	245.2	379.1	338.8	246.2	206.9
33.7	87.5°	19.7	25.3	44.9	55.2	68.3	127.3	225.6	201.2	123.6	86.1
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°
2307.2
2476.6
2584.3
2615.1
2598.3
2559.0
2504.7
2413.0
2312.8
2249.2
2196.8
2138.7
2074.1
1979.6
1857.0
1701.6
1524.7
1347.8
1210.2
1118.5
1031.5
965.0
877.0
801.2
730.1
673.9
629.9
596.2
571.0
538.2
595.3
440.8
349.1
280.8
208.7
86.1
0.0

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