

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: P847763

Luminaire Tested: **GLAN-SB4A-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847763  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4A-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17488 lumens  
Efficiency: N/A  
Efficacy: 153.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

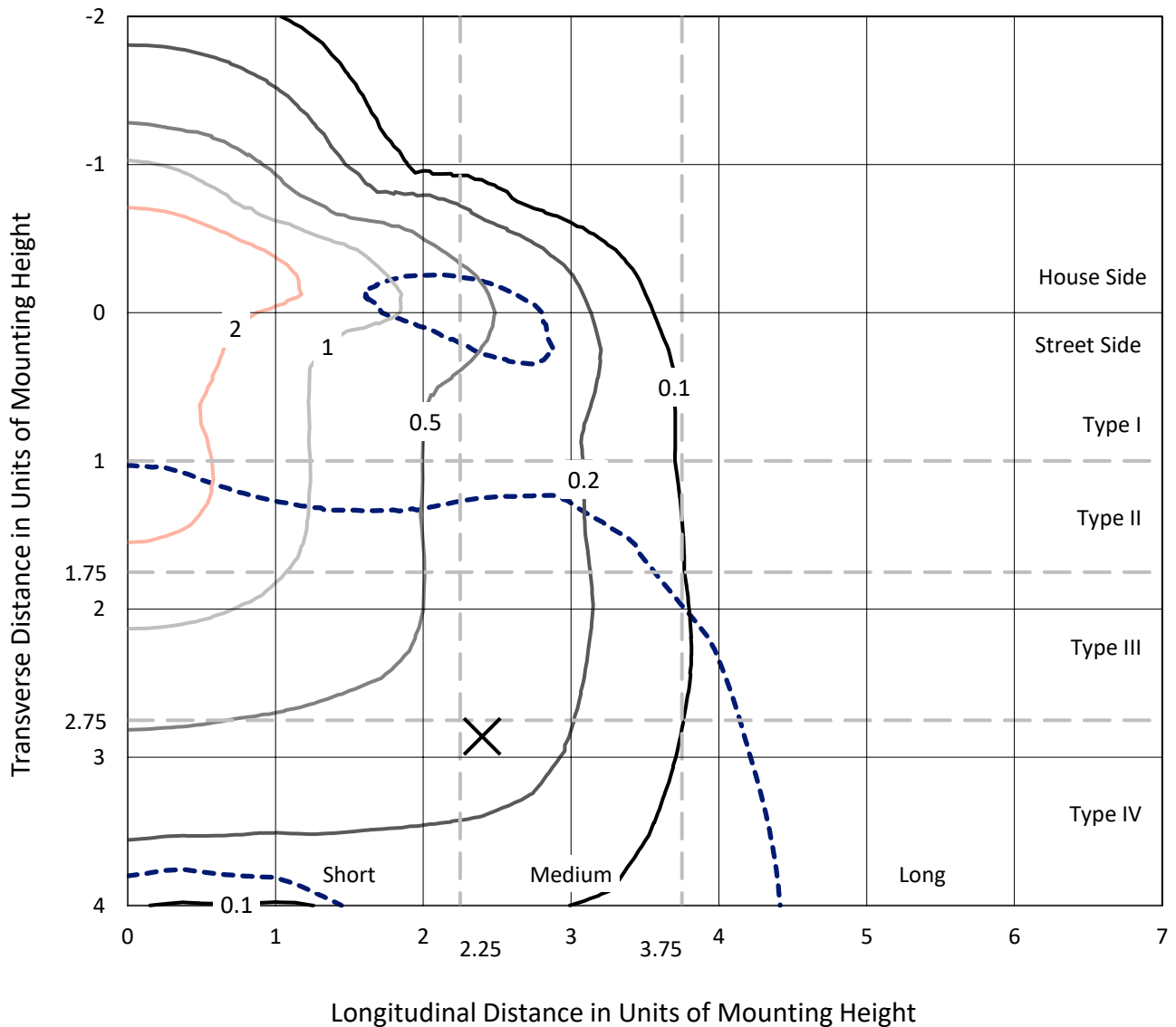
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

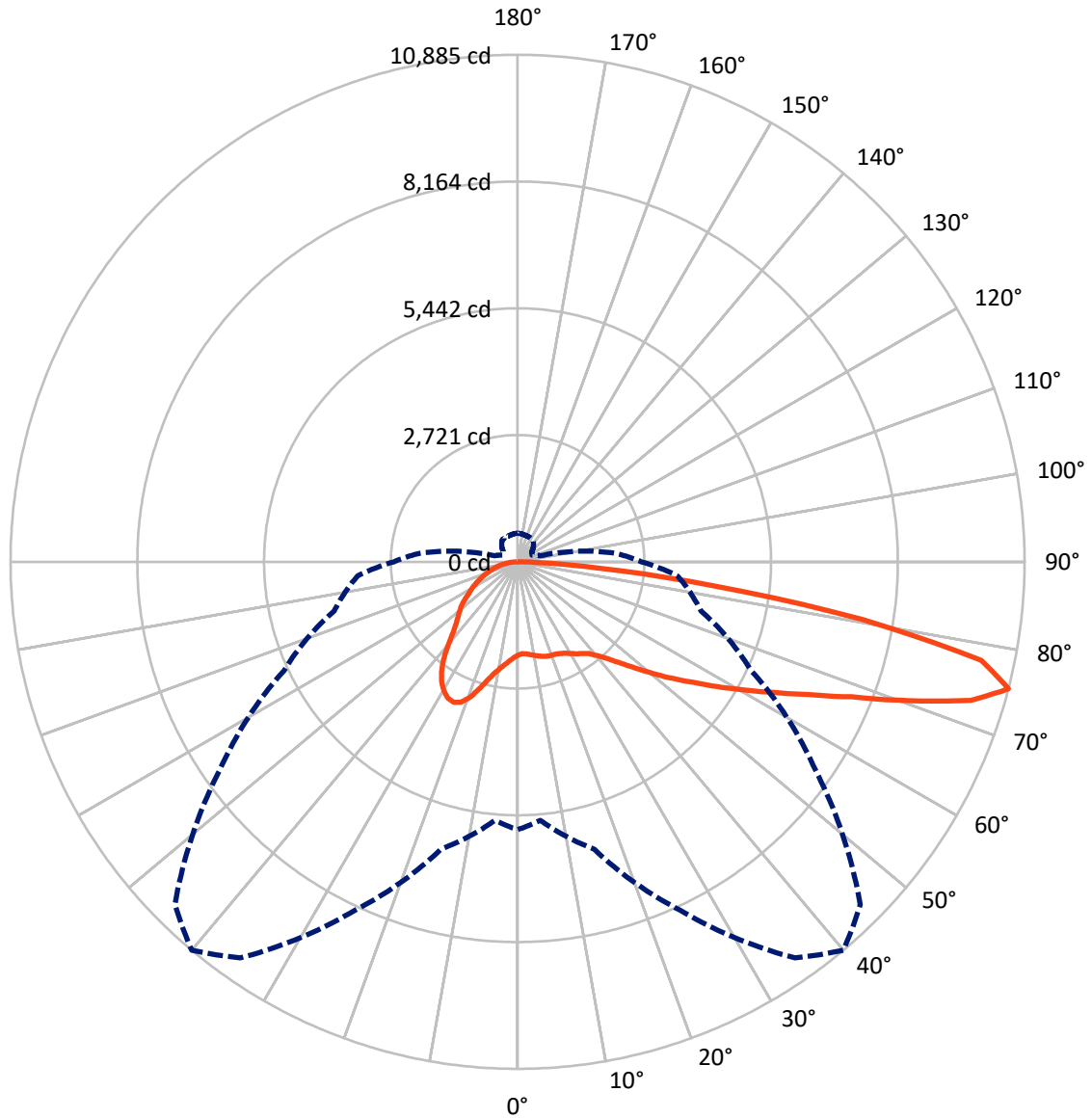
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5418.4	0.0	5418.4
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	12069.6	0.0	12069.6
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	17488.0	0.0	17488.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	199.6	1.1
10°-20°	670.2	3.8
20°-30°	1223.7	7.0
30°-40°	1735.6	9.9
40°-50°	2343.6	13.4
50°-60°	3152.7	18.0
60°-70°	4001.5	22.9
70°-80°	3631.6	20.8
80°-90°	529.4	3.0
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°	17488.0	100.0
0°-180°	17488.0	100.0

**Coefficient of Utilization**



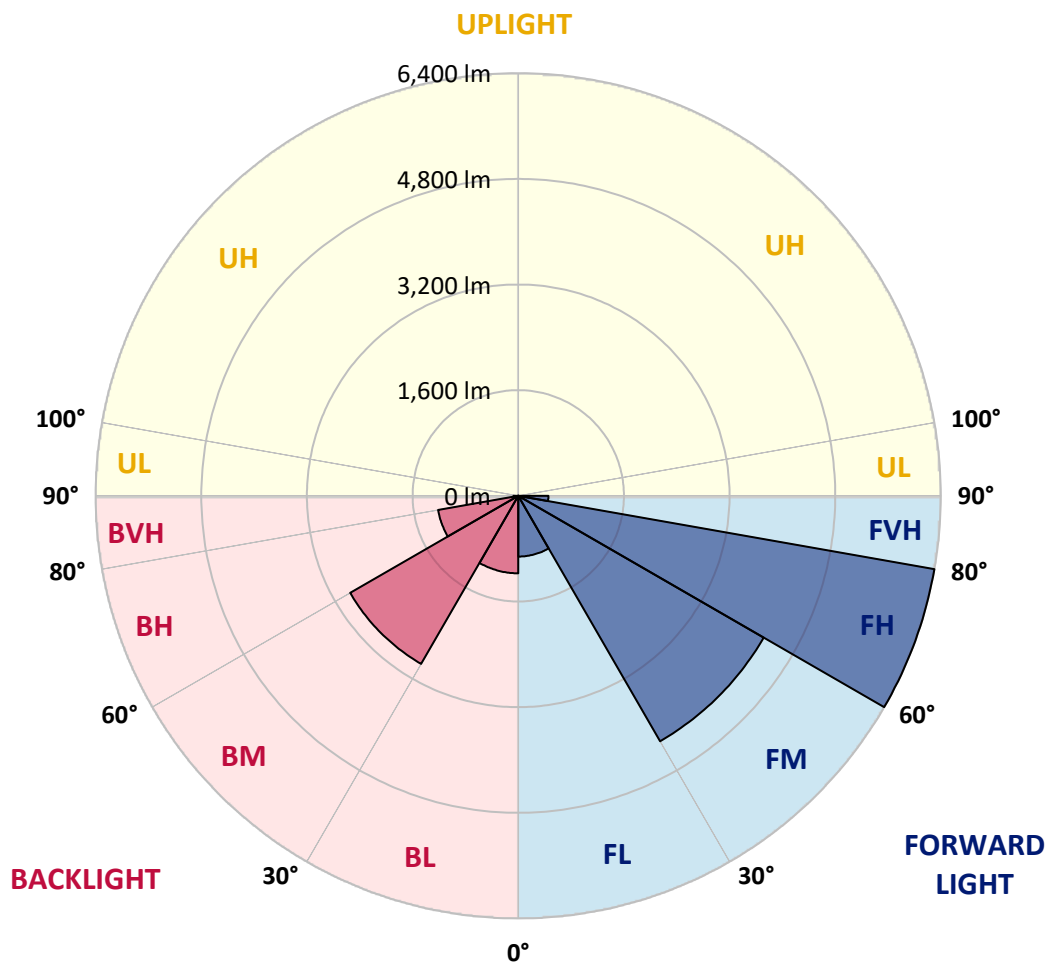
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	919.9	5.3			
FM (30°-60°)	4292.9	24.5			
FH (60°-80°)	6400.3	36.6			G3/7500
FVH (80°-90°)	456.5	2.6			G3/500
BL (0°-30°)	1173.7	6.7	B3/2500		
BM (30°-60°)	2939.0	16.8	B3/5000		
BH (60°-80°)	1232.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	72.9	0.4			G1/100
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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2.5°	1969.2	1980.3	1977.5	1973.8	1973.8	1974.7	1973.8	1980.3	1986.8	1993.3
5°	1989.6	2000.7	1995.1	1990.5	1986.8	1985.9	1983.1	1982.2	1985.9	1994.2
7.5°	2029.5	2040.6	2032.2	2023.9	2016.5	2012.8	2009.1	2003.5	2000.7	2005.3
10°	2074.0	2085.1	2074.9	2060.1	2048.0	2043.4	2039.7	2034.1	2030.4	2033.2
12.5°	2118.5	2129.6	2115.7	2095.3	2079.5	2076.8	2072.1	2070.3	2069.3	2068.4
15°	2160.2	2169.5	2151.9	2127.8	2111.1	2106.4	2101.8	2104.6	2109.2	2114.8
17.5°	2192.7	2202.0	2176.0	2144.5	2128.7	2126.8	2124.1	2133.3	2146.3	2160.2
20°	2222.4	2231.7	2198.3	2155.6	2137.1	2137.1	2138.0	2157.5	2176.0	2196.4
22.5°	2264.1	2271.5	2230.7	2172.3	2145.4	2147.3	2154.7	2174.2	2197.3	2225.2
25°	2326.3	2331.8	2281.7	2203.8	2173.2	2178.8	2185.3	2194.6	2216.8	2249.3
27.5°	2426.4	2431.1	2365.2	2259.5	2213.1	2222.4	2231.7	2225.2	2235.4	2263.2
30°	2567.4	2570.2	2486.7	2346.7	2280.8	2285.5	2287.3	2260.4	2240.9	2263.2
32.5°	2734.4	2733.5	2634.2	2452.4	2357.8	2353.2	2337.4	2284.5	2239.1	2258.6
35°	2993.2	2983.0	2855.0	2600.8	2445.0	2416.2	2379.1	2311.4	2248.4	2253.9
37.5°	3421.7	3390.2	3213.0	2843.8	2574.9	2501.6	2446.9	2355.0	2268.8	2252.1
40°	3904.9	3865.1	3670.3	3176.8	2769.6	2651.8	2563.7	2417.2	2302.2	2260.4
42.5°	4478.2	4421.6	4212.0	3569.2	3016.4	2845.7	2713.1	2496.0	2351.3	2287.3
45°	5182.2	5107.0	4810.2	4011.6	3327.1	3099.8	2922.7	2615.7	2426.4	2339.3
47.5°	5893.6	5912.1	5490.1	4518.0	3700.0	3413.3	3185.2	2795.6	2535.9	2422.7
50°	6649.5	6662.5	6166.3	5079.2	4122.9	3767.7	3480.1	2996.9	2688.0	2541.5
52.5°	7239.4	7241.3	6780.3	5666.3	4563.5	4157.2	3798.3	3226.9	2864.2	2699.1
55°	7608.6	7604.0	7210.7	6221.9	5069.9	4566.3	4150.7	3488.5	3079.4	2884.6
57.5°	7876.7	7862.8	7507.5	6699.6	5609.8	5049.5	4549.6	3785.3	3333.6	3105.4
60°	7978.7	7970.4	7708.8	7112.4	6177.4	5583.8	5009.6	4117.3	3622.0	3366.0
62.5°	8017.7	8033.4	7906.4	7512.1	6785.0	6175.6	5515.2	4514.3	3946.7	3661.0
65°	8154.9	8183.7	8157.7	8035.3	7471.3	6868.4	6185.8	4986.5	4301.0	3977.3
67.5°	8426.7	8455.5	8466.6	8661.4	8309.8	7732.0	7022.4	5574.5	4715.6	4305.6
70°	8420.2	8411.9	8608.5	9159.5	9359.8	8927.6	8150.3	6298.0	5210.0	4578.3
72.5°	7664.3	7597.5	8062.2	9153.9	10233.5	10176.0	9527.7	7231.1	5636.7	4611.7
75°	5749.8	5571.7	6392.6	8249.5	10379.2	10884.7	10403.3	7809.9	5535.6	4074.7
77.5°	2458.9	2279.9	3247.3	6106.9	9289.3	10175.1	9600.0	6813.7	4418.8	2694.5
80°	643.7	642.8	981.3	2768.7	6317.5	7514.0	6592.0	4400.2	2524.8	962.8
82.5°	266.2	259.7	360.8	1076.9	3086.9	4216.6	3441.2	1962.7	911.8	260.6
85°	99.2	98.3	175.3	371.9	1088.9	1739.1	1258.7	501.8	227.2	127.1
87.5°	27.8	26.9	38.0	128.9	265.3	402.6	215.2	82.6	64.0	50.1
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°
1999.8	0°	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8	1999.8
2003.5	2.5°	2006.3	2010.9	2019.3	2025.7	2034.1	2043.4	2056.4	2064.7	2073.1	2078.6
2008.1	5°	2014.6	2024.8	2046.2	2067.5	2092.5	2115.7	2142.6	2162.1	2177.9	2182.5
2024.8	7.5°	2033.2	2049.9	2086.0	2122.2	2162.1	2200.1	2239.1	2272.5	2299.4	2309.6
2054.5	10°	2065.6	2087.9	2138.9	2189.9	2242.8	2301.2	2351.3	2399.5	2437.6	2453.3
2089.7	12.5°	2106.4	2134.3	2201.1	2271.5	2344.8	2425.5	2490.4	2549.8	2597.1	2618.4
2138.9	15°	2159.3	2195.5	2280.8	2375.4	2483.0	2595.3	2677.8	2743.7	2796.5	2822.5
2189.9	17.5°	2216.8	2265.1	2372.6	2515.5	2669.5	2816.9	2913.4	2961.6	3016.4	3041.4
2237.2	20°	2272.5	2331.8	2485.8	2693.6	2898.6	3055.3	3133.2	3146.2	3149.9	3152.7
2281.7	22.5°	2330.0	2409.7	2627.7	2918.0	3137.9	3246.4	3257.5	3201.9	3124.0	3087.8
2325.3	25°	2393.1	2498.8	2813.2	3165.7	3343.8	3356.8	3271.4	3136.0	2988.5	2920.8
2360.6	27.5°	2454.3	2601.7	3035.8	3402.2	3492.2	3378.1	3194.4	3002.4	2824.4	2752.9
2385.6	30°	2515.5	2719.5	3281.6	3609.1	3559.9	3325.2	3072.9	2858.7	2679.7	2604.5
2407.9	32.5°	2577.6	2856.8	3564.5	3758.4	3547.8	3213.0	2921.8	2697.3	2539.6	2460.8
2427.4	35°	2648.1	3025.6	3832.6	3840.0	3467.1	3047.9	2722.3	2504.4	2367.1	2304.0
2450.6	37.5°	2740.0	3239.9	4069.1	3860.4	3326.2	2805.8	2474.7	2276.2	2163.0	2134.3
2484.9	40°	2854.0	3497.8	4250.0	3828.0	3117.5	2511.8	2203.8	2045.2	1981.2	1987.7
2531.3	42.5°	3002.4	3786.2	4377.1	3744.5	2827.1	2208.5	1966.4	1895.9	1926.5	1952.5
2600.8	45°	3195.4	4085.8	4455.9	3602.6	2498.8	1951.5	1826.3	1843.0	1866.2	1869.0
2713.1	47.5°	3442.1	4389.1	4507.8	3388.3	2164.0	1770.7	1737.3	1741.0	1736.4	1716.9
2880.9	50°	3750.0	4684.1	4554.2	3104.5	1879.2	1657.5	1613.0	1600.0	1536.0	1472.9
3104.5	52.5°	4100.7	4954.9	4573.7	2752.0	1657.5	1562.9	1490.6	1408.9	1289.3	1269.8
3385.5	55°	4490.2	5205.4	4523.6	2318.8	1471.1	1441.4	1331.9	1233.6	1220.6	1203.9
3755.6	57.5°	4955.8	5475.3	4421.6	1835.6	1280.0	1299.5	1192.8	1203.9	1180.8	1154.8
4231.4	60°	5465.1	5754.5	4242.6	1395.0	1082.4	1122.3	1156.6	1155.7	1149.2	1127.9
4733.2	62.5°	5923.3	5938.1	3890.1	1068.5	909.0	985.0	1078.7	1077.8	1072.2	1060.2
5257.3	65°	6196.0	5910.3	3302.0	841.3	766.1	871.9	973.0	980.4	981.3	980.4
5651.5	67.5°	6147.7	5584.7	2495.1	669.7	648.4	756.9	868.2	878.4	885.8	887.7
5701.6	70°	5602.3	4869.6	1626.9	534.3	543.5	655.8	768.9	779.1	785.6	793.0
4947.5	72.5°	4366.9	3580.3	931.3	432.2	451.7	568.6	670.6	682.7	686.4	700.3
3443.0	75°	2661.1	2105.5	502.7	340.4	371.0	486.0	573.2	587.1	593.6	610.3
1690.9	77.5°	1265.2	911.8	286.6	265.3	298.7	397.0	484.2	499.9	482.3	491.6
466.6	80°	427.6	338.6	180.9	202.2	228.2	309.8	387.7	403.5	366.4	364.5
154.9	82.5°	149.3	137.3	115.0	134.5	147.5	221.7	293.1	313.5	272.7	271.8
69.6	85°	58.4	55.7	64.0	73.3	88.1	136.3	192.9	203.1	167.9	135.4
20.4	87.5°	12.1	13.0	15.8	16.7	26.9	47.3	69.6	85.3	67.7	57.5
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°
1999.8
2074.9
2184.4
2310.5
2454.3
2618.4
2820.6
3040.5
3160.1
3098.0
2931.0
2761.3
2612.9
2471.0
2317.9
2154.7
2010.0
1976.6
1887.5
1731.7
1481.3
1276.3
1206.7
1150.1
1120.5
1055.5
980.4
889.5
796.8
705.9
612.2
484.2
360.8
258.8
133.6
52.9
0.0

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