

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: P852505

Luminaire Tested: **GLAN-SB4B-827-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852505  
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-SB4B-827-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17784 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

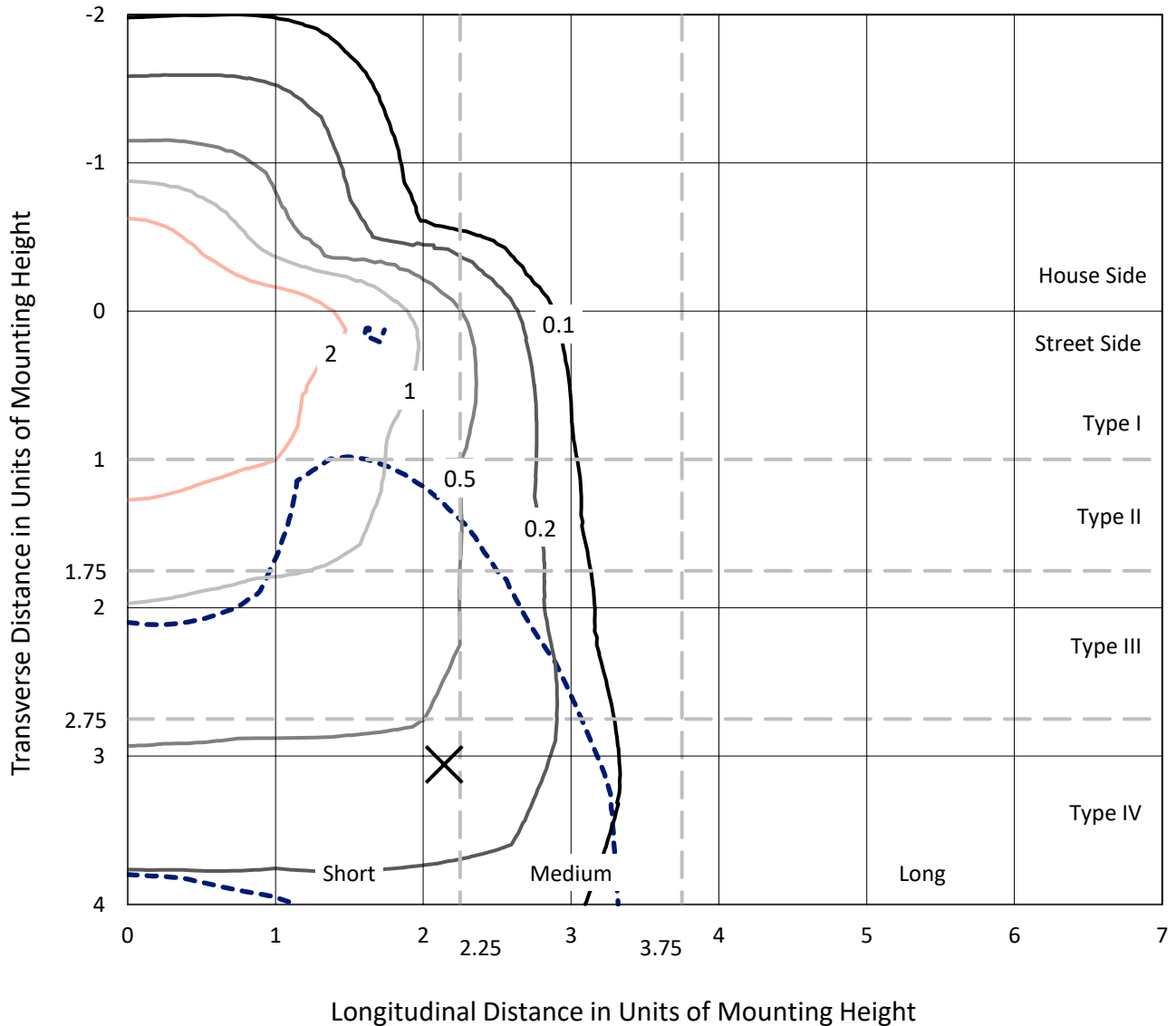
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

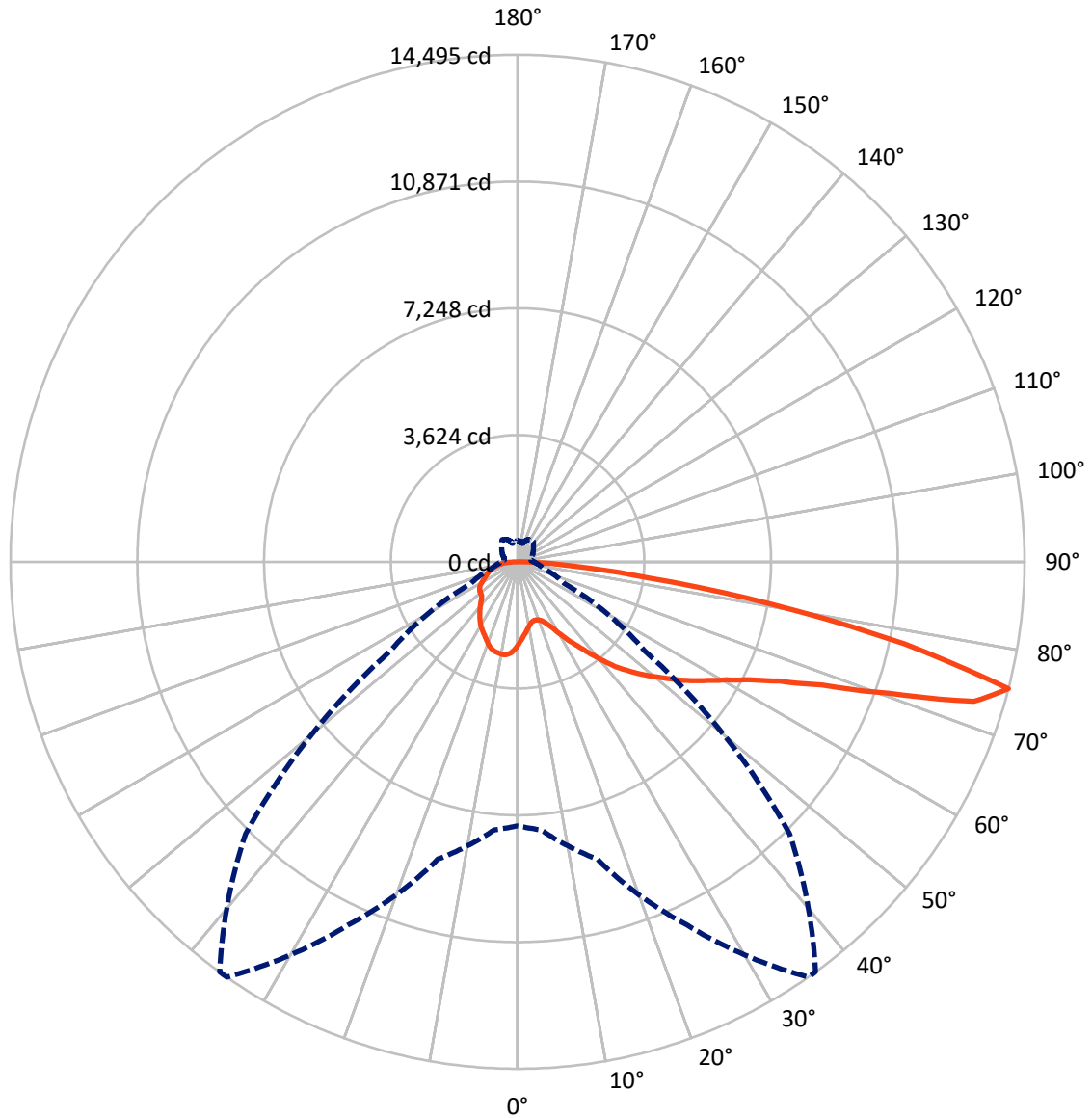
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	4232.1	0.0	4232.1
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	13551.9	0.0	13551.9
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	17784.0	0.0	17784.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.4	1.3
10°-20°	647.2	3.6
20°-30°	1086.8	6.1
30°-40°	1689.1	9.5
40°-50°	2507.0	14.1
50°-60°	3461.1	19.5
60°-70°	4199.1	23.6
70°-80°	3470.2	19.5
80°-90°	499.1	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°	17784.0	100.0
0°-180°	17784.0	100.0

**Coefficient of Utilization**



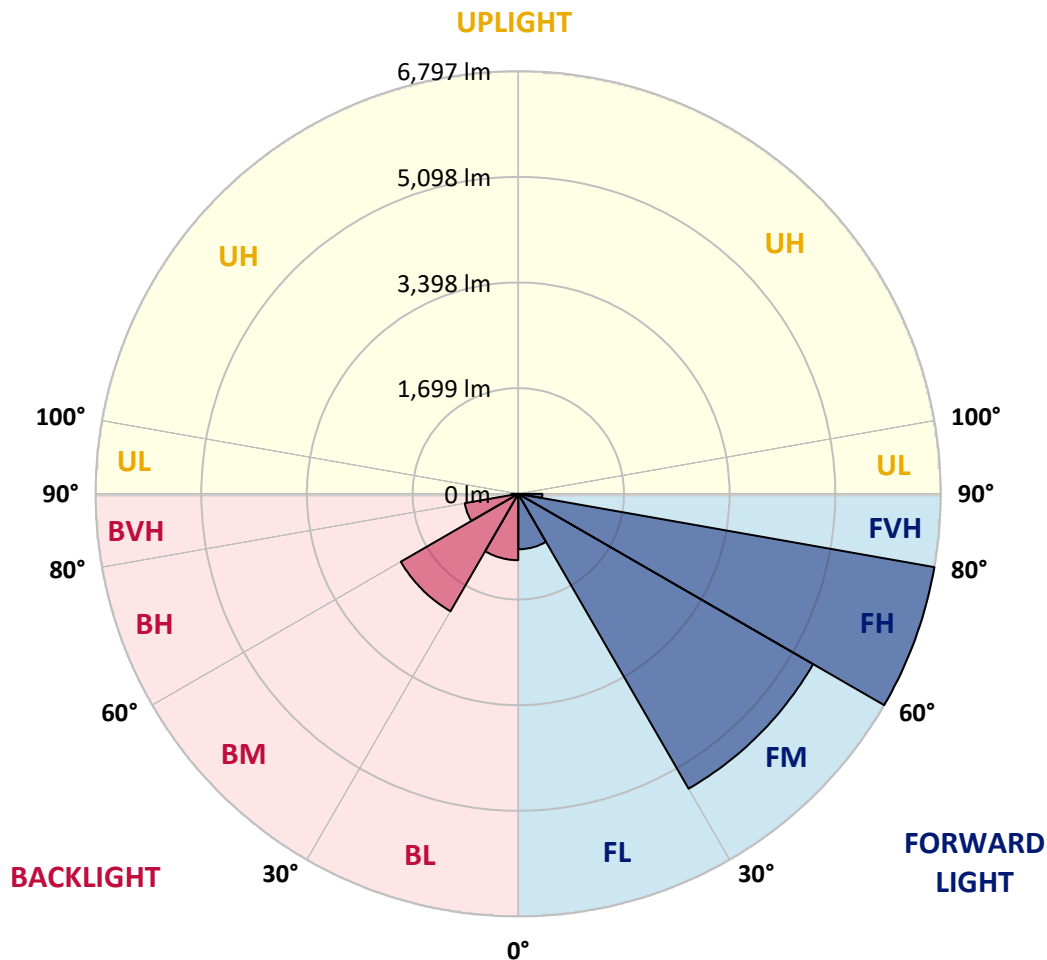
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	891.8	5.0			
FM (30°-60°)	5476.5	30.8			
FH (60°-80°)	6796.8	38.2			G3/7500
FVH (80°-90°)	386.7	2.2			G3/500
BL (0°-30°)	1066.6	6.0	B3/2500		
BM (30°-60°)	2180.7	12.3	B2/2500		
BH (60°-80°)	872.5	4.9	B2/1000		G2/1000
BVH (80°-90°)	112.4	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°	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8
2.5°	2185.3	2198.7	2204.5	2201.6	2216.0	2214.1	2234.3	2259.3	2293.9	2327.5
5°	2017.0	2031.4	2043.9	2055.5	2083.3	2092.0	2123.7	2171.8	2235.2	2299.7
7.5°	1860.3	1872.8	1892.0	1913.2	1960.3	1968.9	2021.8	2096.8	2185.3	2279.5
10°	1732.4	1744.9	1765.1	1789.2	1847.8	1858.4	1925.7	2025.7	2141.0	2260.2
12.5°	1677.6	1681.5	1693.0	1717.1	1768.0	1774.7	1848.8	1963.2	2097.8	2245.8
15°	1674.7	1682.4	1683.4	1695.9	1738.2	1741.1	1809.3	1922.8	2070.8	2242.9
17.5°	1703.6	1709.4	1700.7	1708.4	1744.0	1748.8	1802.6	1903.6	2062.2	2255.4
20°	1780.5	1785.3	1759.4	1748.8	1774.7	1778.6	1831.5	1916.1	2070.8	2281.4
22.5°	1943.9	1946.8	1883.4	1840.1	1842.0	1844.0	1890.1	1967.0	2104.5	2328.5
25°	2198.7	2196.8	2095.8	2012.2	1964.1	1953.6	1984.3	2049.7	2161.2	2391.0
27.5°	2496.7	2482.3	2381.4	2256.4	2151.6	2136.2	2129.5	2157.4	2242.0	2473.7
30°	2833.2	2819.8	2711.1	2547.7	2402.5	2377.5	2314.1	2299.7	2362.1	2586.2
32.5°	3202.4	3193.8	3064.0	2865.9	2671.7	2642.9	2536.2	2497.7	2546.7	2756.3
35°	3512.0	3504.3	3396.6	3192.8	2955.3	2919.8	2811.1	2767.9	2792.9	2974.6
37.5°	3791.7	3787.9	3695.6	3535.0	3289.9	3246.6	3124.5	3110.1	3105.3	3262.0
40°	4051.3	4041.7	3945.6	3861.0	3679.3	3639.8	3532.2	3519.7	3483.1	3615.8
42.5°	4338.8	4313.8	4174.4	4135.0	4085.9	4053.2	3988.8	3990.8	3910.0	4014.8
45°	4573.4	4558.9	4415.7	4392.6	4445.5	4432.0	4487.8	4502.2	4345.5	4433.0
47.5°	4825.2	4811.8	4690.6	4674.3	4817.5	4821.4	5018.5	5023.3	4770.4	4867.5
50°	5135.8	5116.5	4996.4	5016.6	5177.1	5191.5	5552.1	5519.4	5161.7	5308.8
52.5°	5340.5	5352.1	5326.1	5358.8	5578.0	5591.5	6077.0	5993.3	5549.2	5744.3
55°	5491.5	5514.6	5595.3	5670.3	6001.0	6014.5	6572.1	6444.2	5870.3	6148.1
57.5°	5685.7	5653.0	5803.9	5950.1	6402.9	6438.5	7053.8	6878.8	6154.8	6496.1
60°	5964.5	5941.4	6058.7	6275.0	6852.8	6909.5	7563.3	7270.1	6363.5	6772.1
62.5°	6529.8	6472.1	6490.4	6681.7	7420.0	7495.0	8138.2	7611.4	6467.3	6879.7
65°	7374.9	7275.8	7183.5	7316.2	8219.0	8293.0	8787.1	7879.6	6428.8	6671.1
67.5°	8439.1	8341.1	8227.6	8352.6	9395.7	9454.4	9588.0	8030.5	6126.0	5867.4
70°	9316.9	9280.3	9415.9	9930.2	11275.2	11277.2	10614.8	7905.5	5296.3	4160.0
72.5°	9200.5	9178.4	9892.8	11482.9	13644.1	13593.2	11586.7	6959.5	3567.7	1876.6
75°	7547.9	7691.2	8797.7	11455.0	14495.0	14488.2	10991.6	4424.3	1475.7	777.8
77.5°	4047.5	4274.4	5711.6	8457.4	11315.6	11485.8	7727.7	1547.8	633.6	498.0
80°	1320.0	1518.0	2276.6	4306.1	7352.7	7321.0	3312.0	607.6	433.6	352.8
82.5°	560.5	583.6	1017.2	2033.4	3773.5	3714.8	1054.7	349.0	304.8	241.3
85°	219.2	245.2	449.0	940.2	1634.4	1598.8	380.7	173.1	195.2	157.7
87.5°	72.1	87.5	160.6	322.1	508.6	490.3	93.3	59.6	84.6	72.1
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°
2369.8	0°	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8	2369.8
2376.6	2.5°	2390.0	2405.4	2423.7	2450.6	2473.7	2492.9	2513.1	2525.6	2530.4	2544.8
2380.4	5°	2407.3	2441.0	2486.2	2530.4	2573.7	2599.6	2622.7	2634.2	2644.8	2652.5
2391.0	7.5°	2436.2	2479.4	2550.6	2608.3	2644.8	2665.9	2681.3	2677.5	2681.3	2683.3
2402.5	10°	2461.2	2521.7	2606.3	2661.1	2689.0	2690.0	2686.1	2672.7	2665.9	2666.9
2419.8	12.5°	2491.0	2558.3	2649.6	2695.8	2703.4	2682.3	2665.9	2642.9	2634.2	2630.4
2445.8	15°	2531.4	2608.3	2696.7	2714.0	2694.8	2667.9	2640.0	2602.5	2583.3	2567.9
2490.0	17.5°	2580.4	2665.0	2733.2	2720.7	2679.4	2635.2	2590.0	2533.3	2493.9	2477.5
2550.6	20°	2648.6	2724.6	2761.1	2706.3	2643.8	2576.5	2499.6	2430.4	2393.9	2377.5
2627.5	22.5°	2731.3	2804.4	2788.0	2681.3	2592.9	2485.2	2389.1	2338.1	2319.8	2308.3
2726.5	25°	2830.3	2892.8	2807.3	2644.8	2509.2	2364.1	2290.0	2273.7	2265.0	2256.4
2847.7	27.5°	2959.2	2992.8	2821.7	2591.0	2378.5	2235.2	2208.3	2211.2	2208.3	2193.9
3015.9	30°	3129.3	3122.6	2835.2	2503.5	2228.5	2118.9	2120.8	2133.3	2135.3	2125.6
3250.5	32.5°	3353.3	3285.1	2841.9	2390.0	2085.3	2017.0	2018.9	2032.4	2042.0	2025.7
3557.2	35°	3624.5	3474.5	2831.3	2247.7	1974.7	1919.9	1905.5	1909.3	1912.2	1896.8
3929.2	37.5°	3940.8	3686.9	2784.2	2090.1	1883.4	1824.7	1794.0	1768.0	1752.6	1738.2
4350.3	40°	4287.8	3918.6	2697.7	1936.2	1781.5	1723.8	1677.6	1628.6	1576.7	1557.5
4796.4	42.5°	4651.2	4157.1	2592.9	1789.2	1664.2	1617.1	1568.0	1496.9	1419.0	1379.6
5259.8	45°	5028.1	4401.3	2490.0	1644.0	1544.0	1523.8	1467.1	1381.5	1296.9	1246.9
5724.1	47.5°	5397.3	4632.0	2339.1	1497.9	1431.5	1453.6	1409.4	1330.6	1236.4	1157.5
6184.7	50°	5750.1	4848.3	2092.0	1349.8	1340.2	1432.5	1390.2	1276.7	1169.1	1068.1
6636.5	52.5°	6100.1	5023.3	1775.7	1215.2	1291.2	1426.7	1365.2	1240.2	1108.5	1002.7
7061.4	55°	6397.1	5113.7	1470.9	1099.8	1220.0	1377.7	1335.4	1196.9	1022.9	910.4
7352.7	57.5°	6566.3	5040.6	1217.1	986.4	1121.9	1296.9	1284.4	1104.6	921.0	834.5
7409.5	60°	6493.3	4744.5	1009.5	887.4	1028.7	1209.4	1196.0	1013.3	843.1	761.4
7105.7	62.5°	6090.4	4180.1	845.1	800.8	944.1	1120.0	1107.5	943.1	783.5	704.7
6299.1	65°	5279.0	3400.5	717.2	728.7	858.5	1012.3	1030.6	884.5	736.4	659.5
4873.3	67.5°	4026.3	2463.1	617.2	666.2	774.9	906.6	959.5	842.2	697.0	623.9
2819.8	70°	2294.8	1398.8	532.6	605.7	700.9	808.5	904.7	808.5	654.7	594.1
1056.6	72.5°	870.1	642.2	460.5	545.1	629.7	725.9	844.1	755.7	605.7	560.5
546.1	75°	464.4	391.3	387.4	474.0	548.0	645.1	768.2	703.7	569.1	592.2
377.8	77.5°	316.3	276.9	324.0	405.7	458.6	555.7	687.4	624.9	493.2	491.3
261.5	80°	219.2	196.1	263.4	326.9	354.8	467.2	599.9	536.5	401.9	374.9
161.5	82.5°	131.7	127.9	197.1	244.2	250.9	360.5	497.0	449.9	328.8	286.5
96.1	85°	72.1	76.0	125.9	143.2	146.1	251.9	389.4	348.0	252.8	212.5
34.6	87.5°	20.2	26.0	46.1	56.7	70.2	130.7	231.7	206.7	126.9	88.4
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°
2369.8
2543.9
2654.4
2686.1
2668.8
2628.5
2572.7
2478.5
2375.6
2310.2
2256.4
2196.8
2130.5
2033.4
1907.4
1747.8
1566.1
1384.4
1243.1
1148.9
1059.5
991.2
900.8
823.0
749.9
692.2
647.0
612.4
586.5
552.8
611.4
452.8
358.6
288.4
214.4
88.4
0.0

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