

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: P852403

Luminaire Tested: **GLAN-SB3C-827-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852403  
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-SB3C-827-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17707 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

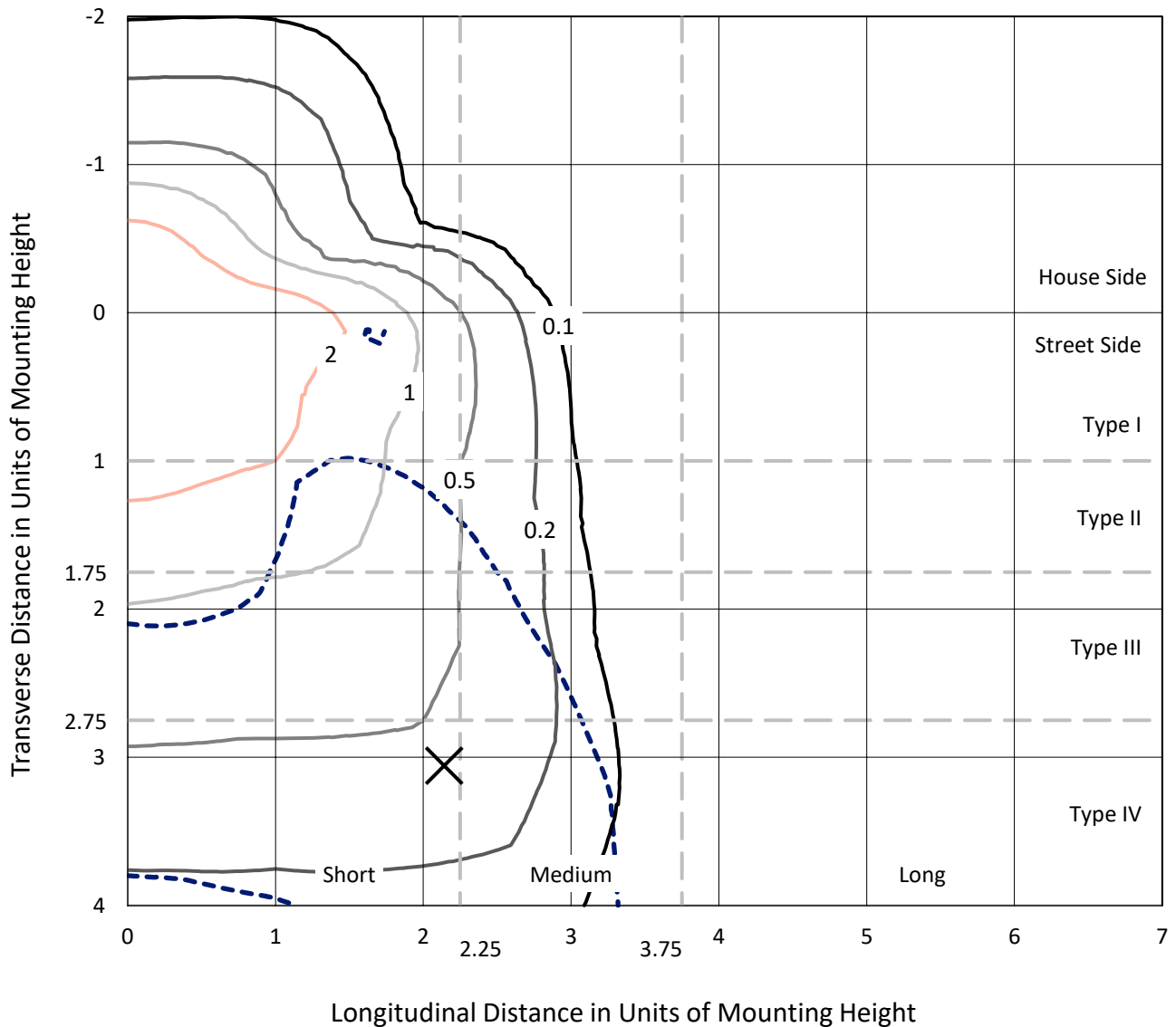
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

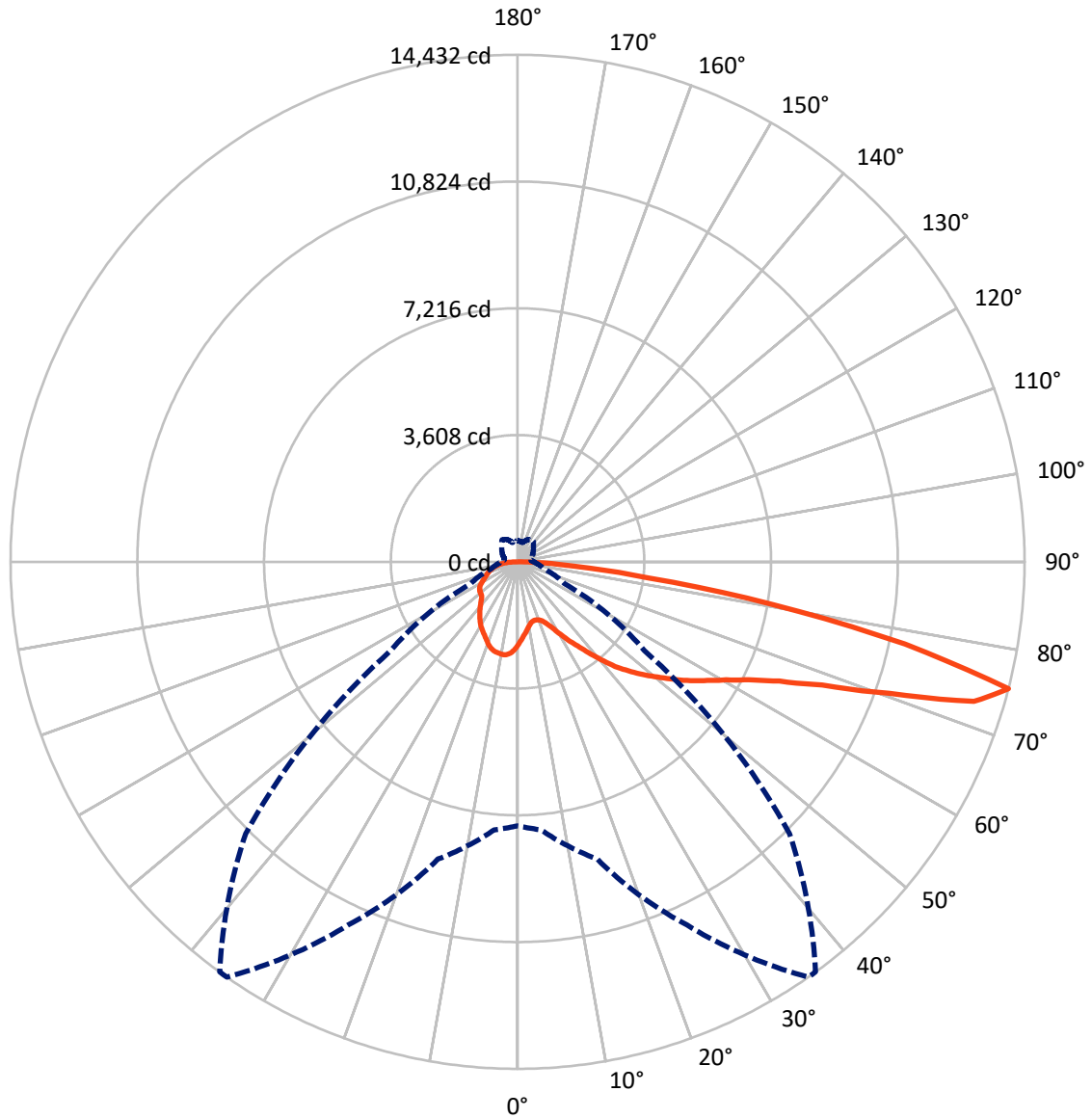
× Max cd  
 - - - 1/2 Max cd



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	4213.8	0.0	4213.8
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	13493.2	0.0	13493.2
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	17707.0	0.0	17707.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	223.4	1.3
10°-20°	644.4	3.6
20°-30°	1082.1	6.1
30°-40°	1681.7	9.5
40°-50°	2496.2	14.1
50°-60°	3446.1	19.5
60°-70°	4180.9	23.6
70°-80°	3455.2	19.5
80°-90°	497.0	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°	17707.0	100.0
0°-180°	17707.0	100.0

**Coefficient of Utilization**



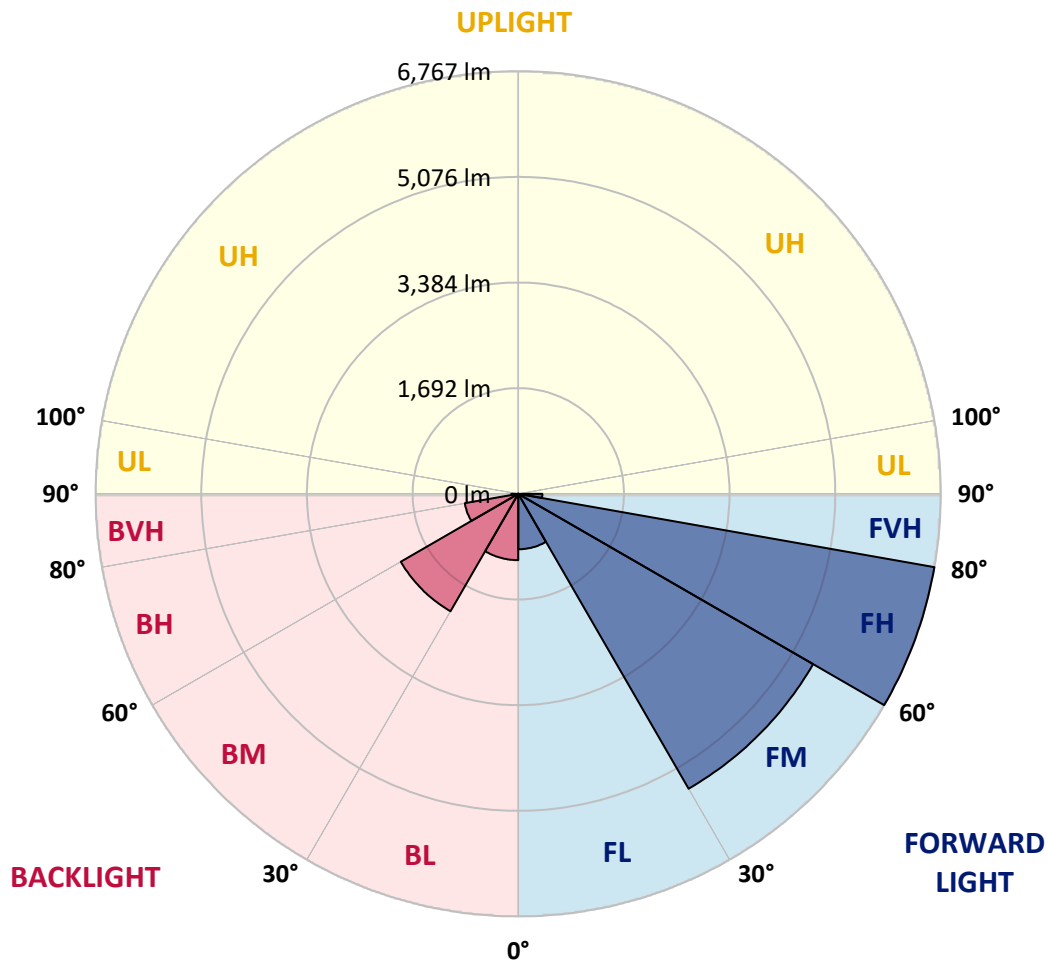
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	888.0	5.0			
FM (30°-60°)	5452.8	30.8			
FH (60°-80°)	6767.3	38.2			G3/7500
FVH (80°-90°)	385.1	2.2			G3/500
BL (0°-30°)	1061.9	6.0	B3/2500		
BM (30°-60°)	2171.2	12.3	B2/2500		
BH (60°-80°)	868.8	4.9	B2/1000		G2/1000
BVH (80°-90°)	111.9	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°	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6
2.5°	2175.8	2189.2	2194.9	2192.1	2206.4	2204.5	2224.6	2249.5	2284.0	2317.5
5°	2008.3	2022.6	2035.1	2046.6	2074.3	2082.9	2114.5	2162.4	2225.6	2289.7
7.5°	1852.2	1864.7	1883.8	1904.9	1951.8	1960.4	2013.1	2087.7	2175.8	2269.6
10°	1724.9	1737.4	1757.5	1781.4	1839.8	1850.3	1917.3	2016.9	2131.8	2250.5
12.5°	1670.4	1674.2	1685.7	1709.6	1760.4	1767.1	1840.8	1954.7	2088.7	2236.1
15°	1667.5	1675.2	1676.1	1688.6	1730.7	1733.5	1801.5	1914.5	2061.9	2233.2
17.5°	1696.2	1702.0	1693.3	1701.0	1736.4	1741.2	1794.8	1895.3	2053.3	2245.7
20°	1772.8	1777.6	1751.7	1741.2	1767.1	1770.9	1823.5	1907.8	2061.9	2271.5
22.5°	1935.5	1938.4	1875.2	1832.1	1834.1	1836.0	1881.9	1958.5	2095.4	2318.4
25°	2189.2	2187.3	2086.8	2003.5	1955.6	1945.1	1975.7	2040.8	2151.9	2380.6
27.5°	2485.9	2471.6	2371.1	2246.6	2142.3	2127.0	2120.3	2148.0	2232.3	2463.0
30°	2821.0	2807.6	2699.4	2536.7	2392.1	2367.2	2304.1	2289.7	2351.9	2575.0
32.5°	3188.5	3179.9	3050.7	2853.5	2660.1	2631.4	2525.2	2486.9	2535.7	2744.4
35°	3496.8	3489.1	3381.9	3179.0	2942.5	2907.1	2798.9	2755.9	2780.8	2961.7
37.5°	3775.3	3771.5	3679.6	3519.7	3275.6	3232.6	3111.0	3096.6	3091.9	3247.9
40°	4033.8	4024.2	3928.5	3844.2	3663.3	3624.1	3516.9	3504.4	3468.1	3600.2
42.5°	4320.0	4295.1	4156.3	4117.1	4068.2	4035.7	3971.6	3973.5	3893.1	3997.4
45°	4553.6	4539.2	4396.6	4373.6	4426.2	4412.8	4468.4	4482.7	4326.7	4413.8
47.5°	4804.3	4790.9	4670.3	4654.1	4796.7	4800.5	4996.8	5001.5	4749.8	4846.5
50°	5113.5	5094.4	4974.7	4994.8	5154.7	5169.1	5528.0	5495.5	5139.4	5285.8
52.5°	5317.4	5328.9	5303.1	5335.6	5553.9	5567.3	6050.7	5967.4	5525.1	5719.5
55°	5467.7	5490.7	5571.1	5645.8	5975.0	5988.4	6543.6	6416.3	5844.9	6121.5
57.5°	5661.1	5628.5	5778.8	5924.3	6375.2	6410.6	7023.2	6849.0	6128.2	6468.0
60°	5938.7	5915.7	6032.5	6247.9	6823.2	6879.6	7530.5	7238.6	6335.9	6742.7
62.5°	6501.5	6444.1	6462.3	6652.8	7387.9	7462.6	8103.0	7578.4	6439.3	6850.0
65°	7342.9	7244.3	7152.4	7284.5	8183.4	8257.1	8749.1	7845.5	6401.0	6642.2
67.5°	8402.6	8304.9	8192.0	8316.4	9355.0	9413.4	9546.5	7995.8	6099.5	5842.0
70°	9276.5	9240.2	9375.1	9887.3	11226.4	11228.3	10568.8	7871.3	5273.4	4141.9
72.5°	9160.7	9138.7	9849.9	11433.2	13585.0	13534.3	11536.6	6929.4	3552.3	1868.5
75°	7515.2	7657.9	8759.6	11405.4	14432.2	14425.5	10944.0	4405.2	1469.4	774.4
77.5°	4029.9	4255.9	5686.9	8420.8	11266.6	11436.1	7694.2	1541.1	630.8	495.8
80°	1314.3	1511.5	2266.7	4287.4	7320.9	7289.3	3297.7	605.0	431.7	351.3
82.5°	558.1	581.0	1012.8	2024.5	3757.1	3698.7	1050.1	347.5	303.4	240.3
85°	218.2	244.1	447.0	936.2	1627.3	1591.9	379.1	172.3	194.3	157.0
87.5°	71.8	87.1	159.9	320.7	506.4	488.2	92.9	59.3	84.2	71.8
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°
2359.6	0°	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6	2359.6
2366.3	2.5°	2379.7	2395.0	2413.2	2440.0	2463.0	2482.1	2502.2	2514.6	2519.4	2533.8
2370.1	5°	2396.9	2430.4	2475.4	2519.4	2562.5	2588.4	2611.3	2622.8	2633.3	2641.0
2380.6	7.5°	2425.6	2468.7	2539.5	2597.0	2633.3	2654.4	2669.7	2665.9	2669.7	2671.6
2392.1	10°	2450.5	2510.8	2595.1	2649.6	2677.4	2678.3	2674.5	2661.1	2654.4	2655.4
2409.4	12.5°	2480.2	2547.2	2638.1	2684.1	2691.7	2670.7	2654.4	2631.4	2622.8	2619.0
2435.2	15°	2520.4	2597.0	2685.0	2702.3	2683.1	2656.3	2628.6	2591.2	2572.1	2556.8
2479.2	17.5°	2569.2	2653.4	2721.4	2709.0	2667.8	2623.8	2578.8	2522.3	2483.1	2466.8
2539.5	20°	2637.2	2712.8	2749.2	2694.6	2632.4	2565.4	2488.8	2419.9	2383.5	2367.2
2616.1	22.5°	2719.5	2792.2	2776.0	2669.7	2581.7	2474.4	2378.7	2328.0	2309.8	2298.3
2714.7	25°	2818.1	2880.3	2795.1	2633.3	2498.4	2353.8	2280.1	2263.9	2255.2	2246.6
2835.3	27.5°	2946.4	2979.9	2809.5	2579.7	2368.2	2225.6	2198.8	2201.6	2198.8	2184.4
3002.8	30°	3115.8	3109.1	2822.9	2492.6	2218.9	2109.7	2111.7	2124.1	2126.0	2116.4
3236.4	32.5°	3338.8	3270.9	2829.6	2379.7	2076.2	2008.3	2010.2	2023.6	2033.2	2016.9
3541.8	35°	3608.8	3459.4	2819.0	2238.0	1966.2	1911.6	1897.2	1901.1	1903.9	1888.6
3912.2	37.5°	3923.7	3671.0	2772.1	2081.0	1875.2	1816.8	1786.2	1760.4	1745.0	1730.7
4331.5	40°	4269.3	3901.7	2686.0	1927.9	1773.8	1716.3	1670.4	1621.6	1569.9	1550.7
4775.6	42.5°	4631.1	4139.1	2581.7	1781.4	1657.0	1610.1	1561.2	1490.4	1412.9	1373.6
5237.0	45°	5006.3	4382.2	2479.2	1636.9	1537.3	1517.2	1460.7	1375.5	1291.3	1241.5
5699.4	47.5°	5373.9	4611.9	2328.9	1491.4	1425.3	1447.3	1403.3	1324.8	1231.0	1152.5
6157.9	50°	5725.2	4827.3	2082.9	1344.0	1334.4	1426.3	1384.2	1271.2	1164.0	1063.5
6607.8	52.5°	6073.6	5001.5	1768.0	1209.9	1285.6	1420.5	1359.3	1234.8	1103.7	998.4
7030.9	55°	6369.4	5091.5	1464.6	1095.1	1214.7	1371.7	1329.6	1191.8	1018.5	906.5
7320.9	57.5°	6537.9	5018.8	1211.9	982.1	1117.1	1291.3	1278.9	1099.9	917.0	830.9
7377.4	60°	6465.1	4723.9	1005.1	883.5	1024.2	1204.2	1190.8	1008.9	839.5	758.1
7074.9	62.5°	6064.1	4162.0	841.4	797.4	940.0	1115.2	1102.7	939.0	780.1	701.7
6271.8	65°	5256.2	3385.7	714.1	725.6	854.8	1008.0	1026.2	880.7	733.2	656.7
4852.2	67.5°	4008.9	2452.4	614.5	663.4	771.5	902.7	955.3	838.5	694.0	621.2
2807.6	70°	2284.9	1392.8	530.3	603.1	697.8	805.0	900.8	805.0	651.9	591.6
1052.0	72.5°	866.3	639.4	458.5	542.8	627.0	722.7	840.4	752.4	603.1	558.1
543.7	75°	462.3	389.6	385.8	471.9	545.6	642.3	764.8	700.7	566.7	589.7
376.2	77.5°	314.9	275.7	322.6	404.0	456.6	553.3	684.4	622.2	491.1	489.1
260.4	80°	218.2	195.3	262.3	325.5	353.2	465.2	597.3	534.1	400.1	373.3
160.8	82.5°	131.1	127.3	196.2	243.1	249.8	359.0	494.9	448.0	327.4	285.3
95.7	85°	71.8	75.6	125.4	142.6	145.5	250.8	387.7	346.5	251.8	211.5
34.5	87.5°	20.1	25.8	45.9	56.5	69.9	130.2	230.7	205.8	126.4	88.1
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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<u>180°</u>
2359.6
2532.8
2642.9
2674.5
2657.3
2617.1
2561.6
2467.7
2365.3
2300.2
2246.6
2187.3
2121.2
2024.5
1899.1
1740.2
1559.3
1378.4
1237.7
1143.9
1054.9
986.9
896.9
819.4
746.6
689.2
644.2
609.8
583.9
550.4
608.8
450.9
357.0
287.2
213.5
88.1
0.0

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