

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: P852755

Luminaire Tested: **GLAN-SB6A-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852755  
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-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18138 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G3

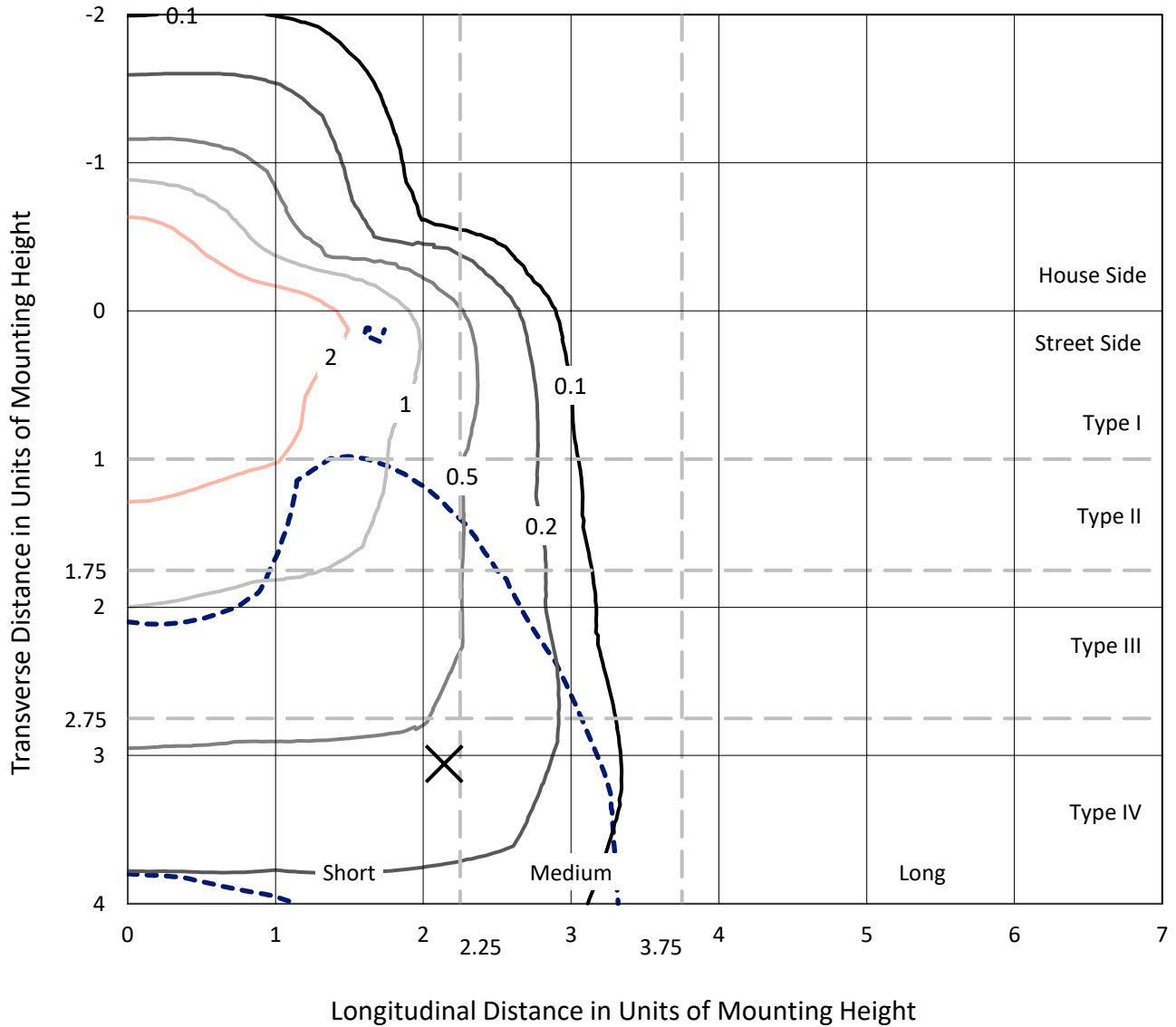
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

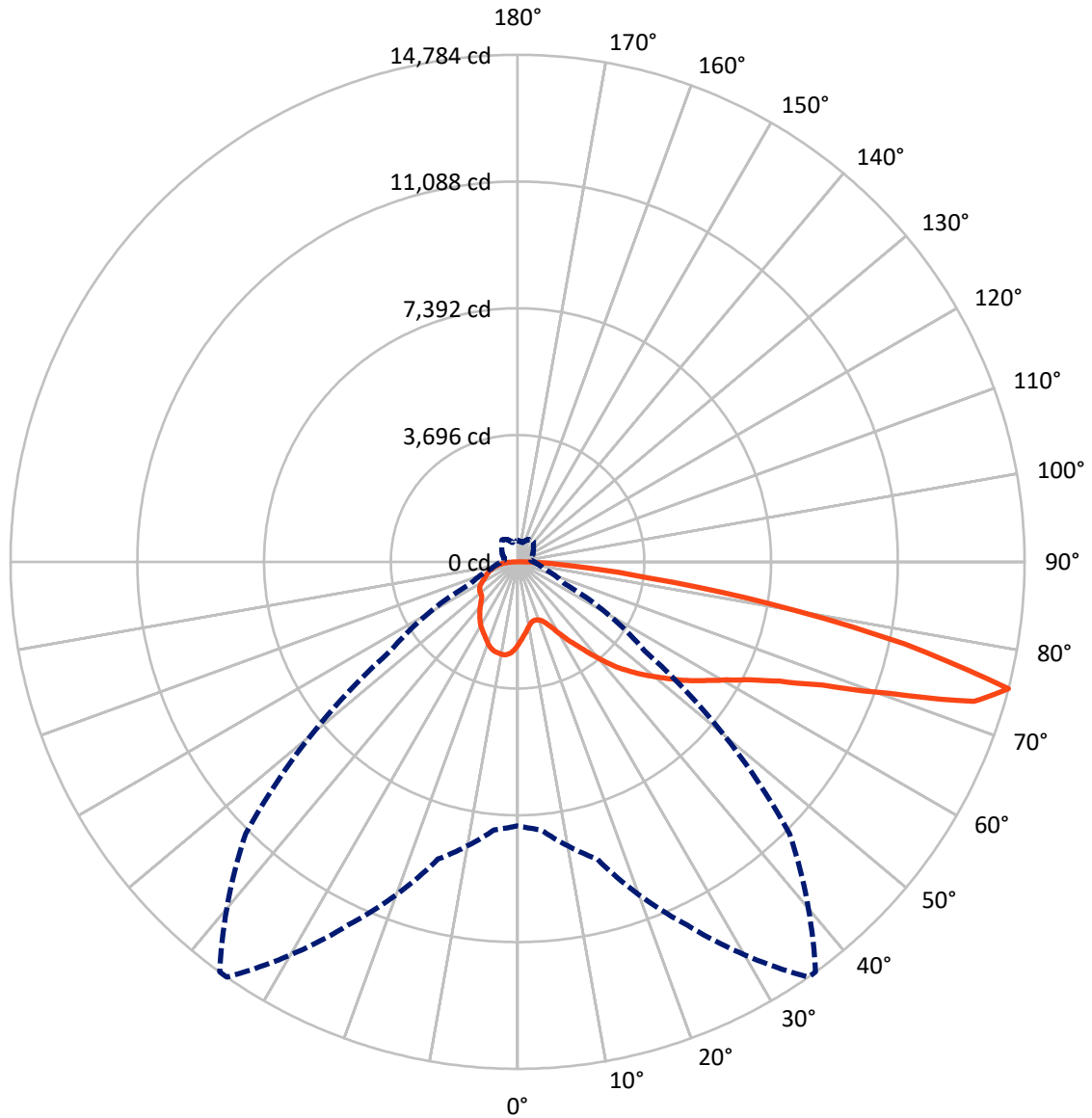
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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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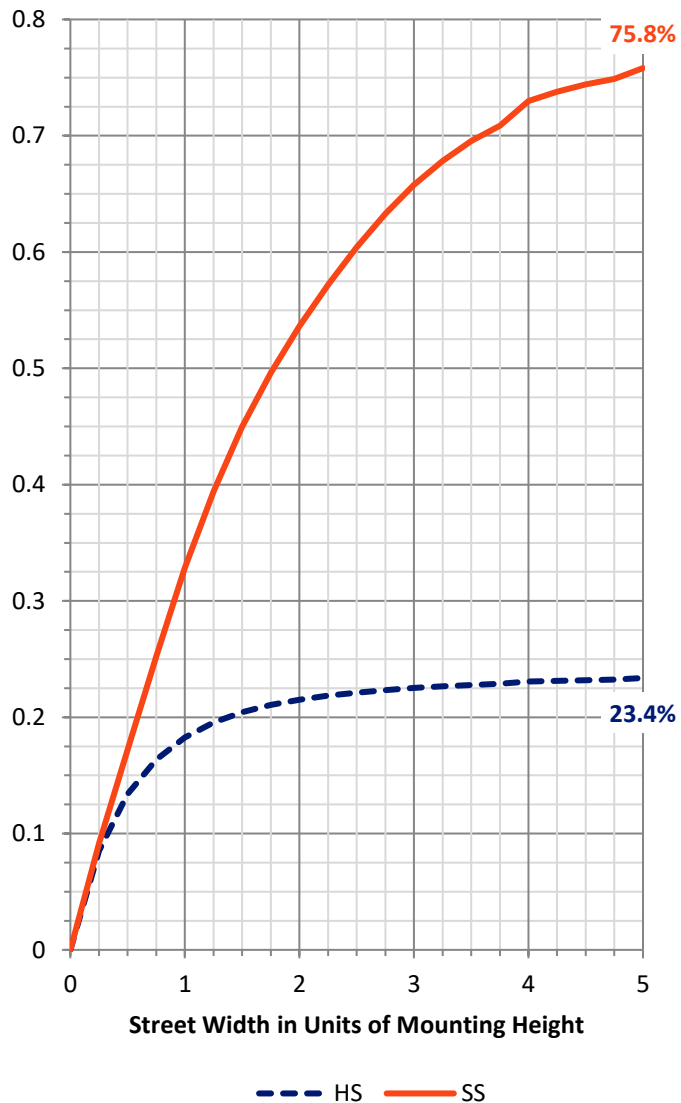
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4316.4	0.0	4316.4
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	13821.6	0.0	13821.6
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	18138.0	0.0	18138.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.8	1.3
10°-20°	660.1	3.6
20°-30°	1108.4	6.1
30°-40°	1722.7	9.5
40°-50°	2556.9	14.1
50°-60°	3530.0	19.5
60°-70°	4282.7	23.6
70°-80°	3539.3	19.5
80°-90°	509.1	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°	18138.0	100.0
0°-180°	18138.0	100.0

**Coefficient of Utilization**



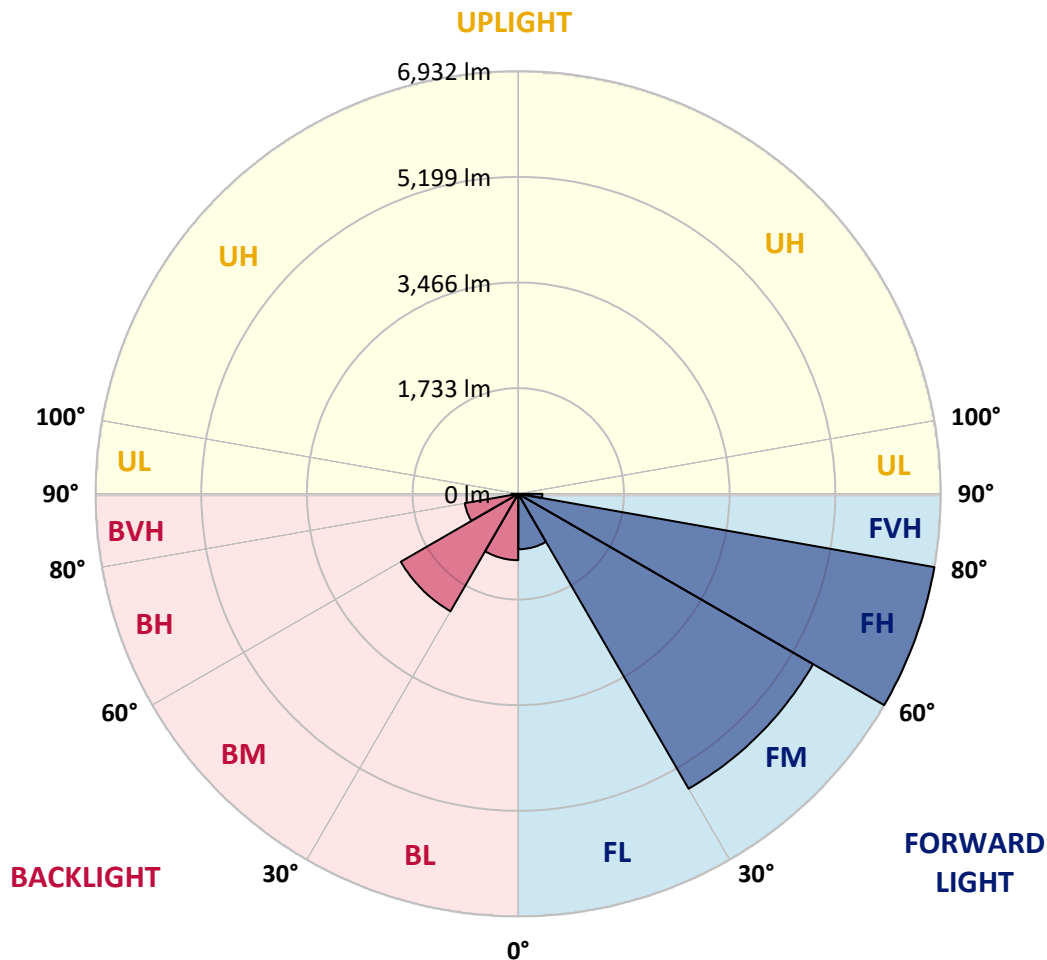
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	909.6	5.0			
FM (30°-60°)	5585.5	30.8			
FH (60°-80°)	6932.1	38.2			G3/7500
FVH (80°-90°)	394.4	2.2			G3/500
BL (0°-30°)	1087.8	6.0	B3/2500		
BM (30°-60°)	2224.1	12.3	B2/2500		
BH (60°-80°)	889.9	4.9	B2/1000		G2/1000
BVH (80°-90°)	114.6	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°	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0
2.5°	2228.7	2242.5	2248.4	2245.4	2260.1	2258.2	2278.8	2304.3	2339.5	2373.9
5°	2057.2	2071.9	2084.6	2096.4	2124.8	2133.6	2166.0	2215.0	2279.7	2345.4
7.5°	1897.3	1910.1	1929.7	1951.3	1999.3	2008.1	2062.1	2138.5	2228.7	2324.8
10°	1766.9	1779.7	1800.3	1824.8	1884.6	1895.4	1964.0	2066.0	2183.6	2305.2
12.5°	1711.0	1715.0	1726.7	1751.2	1803.2	1810.1	1885.6	2002.2	2139.5	2290.5
15°	1708.1	1715.9	1716.9	1729.7	1772.8	1775.7	1845.4	1961.1	2112.1	2287.6
17.5°	1737.5	1743.4	1734.6	1742.4	1778.7	1783.6	1838.5	1941.5	2103.2	2300.3
20°	1815.9	1820.8	1794.4	1783.6	1810.1	1814.0	1867.9	1954.2	2112.1	2326.8
22.5°	1982.6	1985.6	1920.9	1876.7	1878.7	1880.7	1927.7	2006.2	2146.4	2374.8
25°	2242.5	2240.5	2137.6	2052.3	2003.2	1992.4	2023.8	2090.5	2204.2	2438.6
27.5°	2546.4	2531.7	2428.8	2301.3	2194.4	2178.7	2171.9	2200.3	2286.6	2522.9
30°	2889.6	2875.9	2765.1	2598.4	2450.3	2424.9	2360.1	2345.4	2409.2	2637.6
32.5°	3266.2	3257.3	3125.0	2923.0	2724.9	2695.5	2586.6	2547.4	2597.4	2811.2
35°	3581.9	3574.0	3464.2	3256.3	3014.2	2977.9	2867.1	2823.0	2848.4	3033.8
37.5°	3867.2	3863.3	3769.2	3605.4	3355.4	3311.3	3186.7	3172.0	3167.1	3326.9
40°	4132.0	4122.2	4024.1	3937.8	3752.5	3712.3	3602.5	3589.7	3552.5	3687.8
42.5°	4425.1	4399.6	4257.5	4217.3	4167.3	4133.9	4068.2	4070.2	3987.8	4094.7
45°	4664.4	4649.7	4503.6	4480.1	4534.0	4520.3	4577.1	4591.8	4432.0	4521.2
47.5°	4921.3	4907.6	4784.0	4767.3	4913.4	4917.4	5118.4	5123.3	4865.4	4964.4
50°	5238.0	5218.4	5095.8	5116.4	5280.2	5294.9	5662.6	5629.2	5264.5	5414.5
52.5°	5446.9	5458.6	5432.1	5465.5	5689.0	5702.8	6197.9	6112.6	5659.6	5858.7
55°	5600.8	5624.3	5706.7	5783.2	6120.5	6134.2	6702.9	6572.5	5987.1	6270.5
57.5°	5798.9	5765.5	5919.5	6068.5	6530.3	6566.6	7194.2	7015.7	6277.4	6625.5
60°	6083.2	6059.7	6179.3	6399.9	6989.2	7047.1	7713.8	7414.8	6490.1	6906.9
62.5°	6659.8	6600.9	6619.6	6814.7	7567.7	7644.2	8300.2	7762.9	6596.0	7016.7
65°	7521.7	7420.7	7326.5	7461.8	8382.6	8458.1	8962.1	8036.4	6556.8	6803.9
67.5°	8607.1	8507.1	8391.4	8518.9	9582.7	9642.6	9778.8	8190.4	6247.9	5984.2
70°	9502.3	9465.1	9603.3	10127.9	11499.7	11501.6	10826.1	8062.9	5401.8	4242.8
72.5°	9383.7	9361.1	10089.7	11711.5	13915.7	13863.7	11817.4	7098.1	3638.8	1914.0
75°	7698.2	7844.3	8972.8	11683.0	14783.5	14776.6	11210.4	4512.4	1505.1	793.3
77.5°	4128.0	4359.4	5825.3	8625.7	11540.9	11714.4	7881.5	1578.7	646.2	507.9
80°	1346.3	1548.3	2321.9	4391.8	7499.1	7466.8	3377.9	619.7	442.2	359.9
82.5°	571.7	595.2	1037.4	2073.8	3848.6	3788.8	1075.6	355.9	310.8	246.1
85°	223.6	250.0	457.9	959.0	1666.9	1630.6	388.3	176.5	199.0	160.8
87.5°	73.5	89.2	163.7	328.5	518.7	500.1	95.1	60.8	86.3	73.5
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°
2417.0	0°	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0	2417.0
2423.9	2.5°	2437.6	2453.3	2471.9	2499.4	2522.9	2542.5	2563.1	2575.9	2580.8	2595.5
2427.8	5°	2455.3	2489.6	2535.7	2580.8	2624.9	2651.4	2674.9	2686.7	2697.4	2705.3
2438.6	7.5°	2484.7	2528.8	2601.4	2660.2	2697.4	2719.0	2734.7	2730.8	2734.7	2736.7
2450.3	10°	2510.2	2571.9	2658.2	2714.1	2742.5	2743.5	2739.6	2725.9	2719.0	2720.0
2468.0	12.5°	2540.6	2609.2	2702.3	2749.4	2757.3	2735.7	2719.0	2695.5	2686.7	2682.7
2494.5	15°	2581.7	2660.2	2750.4	2768.0	2748.4	2721.0	2692.5	2654.3	2634.7	2619.0
2539.6	17.5°	2631.7	2718.0	2787.7	2774.9	2732.7	2687.6	2641.6	2583.7	2543.5	2526.8
2601.4	20°	2701.4	2778.8	2816.1	2760.2	2696.5	2627.8	2549.4	2478.8	2441.5	2424.9
2679.8	22.5°	2785.7	2860.2	2843.5	2734.7	2644.5	2534.7	2436.6	2384.7	2366.0	2354.3
2780.8	25°	2886.7	2950.4	2863.2	2697.4	2559.2	2411.1	2335.6	2319.0	2310.1	2301.3
2904.3	27.5°	3018.1	3052.4	2877.9	2642.5	2425.8	2279.7	2252.3	2255.2	2252.3	2237.6
3075.9	30°	3191.6	3184.8	2891.6	2553.3	2272.9	2161.1	2163.1	2175.8	2177.8	2168.0
3315.2	32.5°	3420.1	3350.5	2898.5	2437.6	2126.8	2057.2	2059.1	2072.8	2082.6	2066.0
3628.0	35°	3696.6	3543.6	2887.7	2292.5	2014.0	1958.1	1943.4	1947.3	1950.3	1934.6
4007.4	37.5°	4019.2	3760.3	2839.6	2131.7	1920.9	1861.0	1829.7	1803.2	1787.5	1772.8
4436.9	40°	4373.2	3996.6	2751.4	1974.8	1816.9	1758.1	1711.0	1661.0	1608.1	1588.5
4891.9	42.5°	4743.8	4239.8	2644.5	1824.8	1697.3	1649.3	1599.2	1526.7	1447.3	1407.1
5364.5	45°	5128.2	4488.9	2539.6	1676.7	1574.7	1554.1	1496.3	1409.0	1322.7	1271.7
5838.1	47.5°	5504.7	4724.2	2385.6	1527.7	1460.0	1482.6	1437.5	1357.1	1261.0	1180.6
6307.8	50°	5864.6	4944.8	2133.6	1376.7	1366.9	1461.0	1417.8	1302.1	1192.3	1089.4
6768.6	52.5°	6221.5	5123.3	1811.0	1239.4	1316.9	1455.1	1392.4	1264.9	1130.6	1022.7
7202.0	55°	6524.5	5215.4	1500.2	1121.7	1244.3	1405.1	1362.0	1220.8	1043.3	928.6
7499.1	57.5°	6697.0	5140.9	1241.4	1006.0	1144.3	1322.7	1310.0	1126.6	939.3	851.1
7557.0	60°	6622.5	4838.9	1029.6	905.0	1049.2	1233.5	1219.8	1033.5	859.9	776.6
7247.1	62.5°	6211.7	4263.4	861.9	816.8	962.9	1142.3	1129.6	961.9	799.1	718.7
6424.4	65°	5384.1	3468.1	731.5	743.2	875.6	1032.5	1051.1	902.1	751.1	672.6
4970.3	67.5°	4106.5	2512.1	629.5	679.5	790.3	924.6	978.6	858.9	710.9	636.4
2875.9	70°	2340.5	1426.7	543.2	617.7	714.8	824.6	922.7	824.6	667.7	606.0
1077.6	72.5°	887.4	655.0	469.7	556.0	642.2	740.3	860.9	770.7	617.7	571.7
556.9	75°	473.6	399.1	395.2	483.4	558.9	657.9	783.4	717.7	580.5	604.0
385.3	77.5°	322.6	282.4	330.4	413.8	467.7	566.7	701.1	637.3	503.0	501.1
266.7	80°	223.6	200.0	268.7	333.4	361.8	476.5	611.9	547.1	409.9	382.4
164.7	82.5°	134.3	130.4	201.0	249.1	255.9	367.7	506.9	458.9	335.3	292.2
98.1	85°	73.5	77.5	128.4	146.1	149.0	256.9	397.1	355.0	257.9	216.7
35.3	87.5°	20.6	26.5	47.1	57.9	71.6	133.4	236.3	210.8	129.4	90.2
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°
2417.0
2594.5
2707.2
2739.6
2722.0
2680.8
2623.9
2527.8
2422.9
2356.2
2301.3
2240.5
2172.9
2073.8
1945.4
1782.6
1597.3
1412.0
1267.8
1171.7
1080.5
1010.9
918.8
839.3
764.8
706.0
659.9
624.6
598.1
563.8
623.6
461.8
365.7
294.2
218.7
90.2
0.0

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