

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: P847248

Luminaire Tested: **GLAN-SB3B-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847248  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB3B-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16331 lumens  
Efficiency: N/A  
Efficacy: 149.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

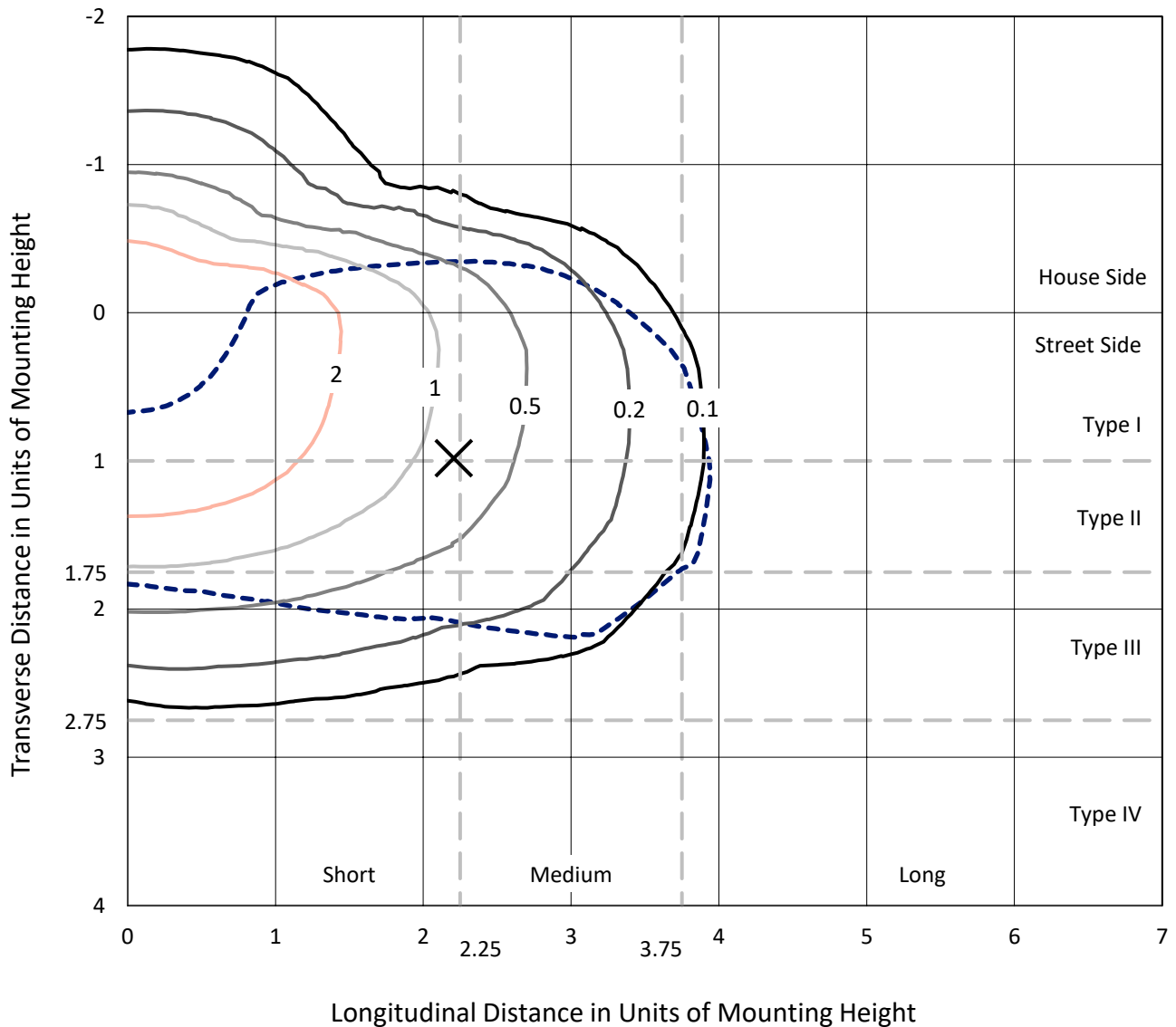
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

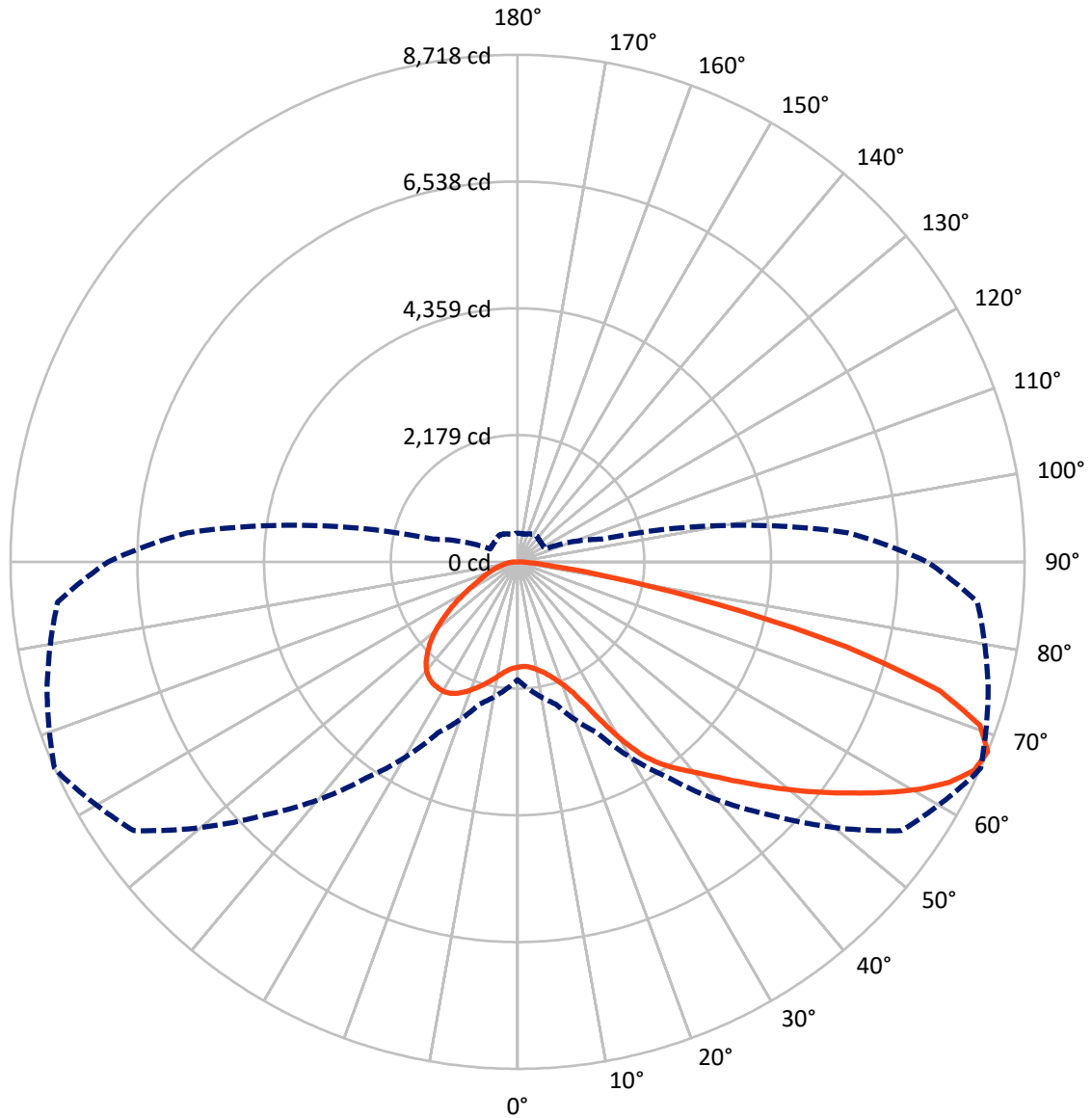
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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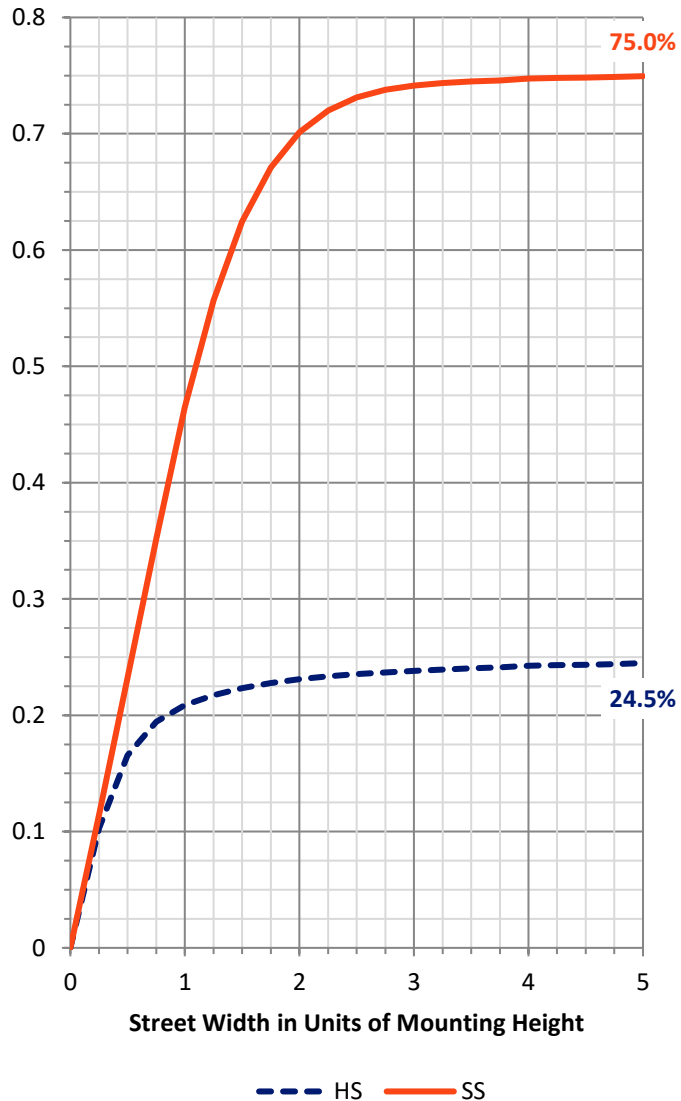
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4060.7	0.0	4060.7
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	12270.3	0.0	12270.3
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	16331.0	0.0	16331.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	179.6	1.1
10°-20°	593.3	3.6
20°-30°	1143.6	7.0
30°-40°	2005.2	12.3
40°-50°	2981.0	18.3
50°-60°	3778.7	23.1
60°-70°	3697.4	22.6
70°-80°	1763.7	10.8
80°-90°	188.5	1.2
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°	16331.0	100.0
0°-180°	16331.0	100.0

**Coefficient of Utilization**



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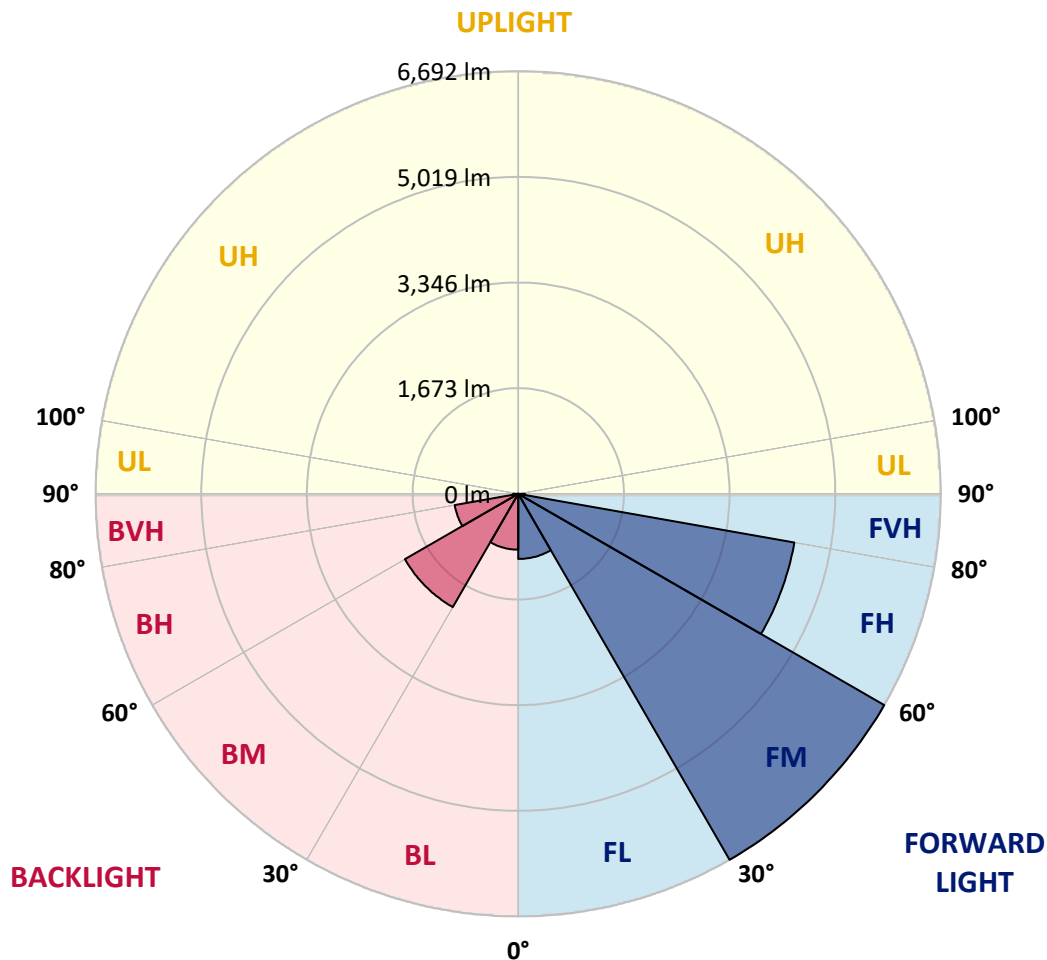
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1032.0	6.3			
FM (30°-60°)	6692.3	41.0			
FH (60°-80°)	4439.2	27.2			G2/5000
FVH (80°-90°)	106.9	0.7			G2/225
BL (0°-30°)	884.6	5.4	B2/1000		
BM (30°-60°)	2072.6	12.7	B2/2500		
BH (60°-80°)	1021.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	81.6	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3
2.5°	1792.4	1802.7	1800.2	1795.9	1795.0	1796.7	1799.3	1801.9	1801.0	1805.3
5°	1787.3	1797.6	1796.7	1796.7	1800.2	1807.0	1811.3	1815.6	1811.3	1816.5
7.5°	1790.7	1798.5	1801.9	1805.3	1813.9	1826.8	1837.1	1846.5	1841.4	1847.4
10°	1834.5	1840.5	1843.9	1843.9	1849.9	1864.5	1874.8	1892.0	1887.7	1897.1
12.5°	1914.3	1920.3	1920.3	1916.9	1921.2	1930.6	1934.0	1952.9	1945.2	1960.6
15°	2012.1	2024.1	2014.7	2008.7	2010.4	2019.8	2019.0	2033.6	2025.8	2038.7
17.5°	2120.2	2135.7	2120.2	2119.4	2115.9	2126.2	2127.1	2140.0	2126.2	2135.7
20°	2248.1	2269.5	2256.6	2260.9	2253.2	2257.5	2261.8	2280.7	2259.2	2266.1
22.5°	2428.3	2454.0	2440.3	2456.6	2451.4	2448.0	2447.1	2480.6	2447.1	2449.7
25°	2690.8	2721.7	2697.7	2720.0	2720.0	2731.1	2744.0	2786.9	2731.1	2714.8
27.5°	3078.6	3109.5	3062.3	3076.1	3071.8	3099.2	3085.5	3191.9	3131.8	3105.2
30°	3545.4	3600.3	3511.1	3507.7	3503.4	3547.1	3566.9	3637.2	3576.3	3549.7
32.5°	4050.0	4107.4	4001.0	3970.2	3953.9	3980.5	3964.1	4020.8	3978.7	3937.5
35°	4583.7	4640.3	4539.0	4479.0	4413.8	4358.0	4299.6	4314.2	4274.8	4212.1
37.5°	5088.2	5192.0	5084.7	5020.4	4900.3	4791.3	4628.3	4560.5	4523.6	4466.1
40°	5602.1	5661.4	5579.8	5524.9	5394.5	5223.8	4962.9	4819.6	4769.8	4714.1
42.5°	5980.5	6037.2	5993.4	5955.7	5853.6	5655.3	5318.1	5138.8	5066.7	5004.1
45°	6280.9	6322.9	6295.4	6309.2	6265.4	6073.2	5686.2	5481.2	5406.5	5330.1
47.5°	6401.8	6446.5	6490.2	6571.7	6646.4	6504.8	6081.8	5851.8	5772.9	5694.8
50°	6388.1	6433.6	6560.6	6733.9	6965.6	6918.4	6498.8	6246.5	6173.6	6084.4
52.5°	6278.3	6329.8	6492.8	6781.1	7150.1	7228.1	6923.5	6654.1	6585.5	6479.1
55°	5990.0	6020.9	6265.4	6673.8	7193.8	7444.4	7339.7	7088.3	7019.6	6871.2
57.5°	5455.4	5500.0	5856.1	6384.7	7084.0	7591.1	7705.2	7544.8	7478.7	7265.0
60°	4757.8	4829.1	5236.6	5899.0	6804.3	7590.2	8037.3	7993.5	7938.6	7652.9
62.5°	3968.4	4050.8	4442.9	5212.6	6315.2	7374.9	8244.9	8369.3	8341.0	8010.7
65°	3047.8	3104.4	3494.8	4324.5	5554.1	6912.4	8268.9	8625.9	8631.0	8282.7
67.5°	2029.3	2192.3	2531.2	3245.1	4534.7	6156.4	8057.9	8667.9	8717.7	8376.2
70°	990.2	1204.7	1536.8	2109.1	3245.1	4997.2	7506.1	8323.0	8433.7	8103.3
72.5°	411.0	480.5	661.5	1040.8	1862.8	3372.1	6397.6	7387.7	7592.8	7180.1
75°	277.1	300.3	378.4	533.7	848.6	1662.9	4613.7	5508.6	5839.0	5422.8
77.5°	213.7	228.2	275.4	373.2	504.5	628.9	2469.4	3319.8	3490.5	3231.4
80°	168.2	179.3	205.9	272.0	357.8	336.4	841.7	1504.1	1602.8	1344.5
82.5°	145.9	150.2	147.6	184.5	237.7	196.5	276.3	555.2	612.6	444.5
85°	105.5	117.6	122.7	114.1	126.1	99.5	113.3	196.5	216.2	193.1
87.5°	42.9	63.5	78.1	73.8	46.3	28.3	35.2	57.5	66.1	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°
1811.3	0°	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3	1811.3
1812.2	2.5°	1813.0	1819.0	1823.3	1828.5	1831.9	1837.1	1847.4	1853.4	1854.2	1858.5
1825.9	5°	1829.3	1837.9	1847.4	1861.1	1876.5	1889.4	1909.1	1922.9	1928.0	1932.3
1859.4	7.5°	1864.5	1876.5	1893.7	1917.7	1940.0	1957.2	1981.2	1997.5	2013.8	2019.8
1912.6	10°	1916.9	1934.0	1958.9	1991.5	2015.5	2037.8	2062.7	2076.5	2092.8	2099.6
1976.1	12.5°	1982.1	2000.1	2032.7	2078.2	2100.5	2115.9	2124.5	2121.1	2124.5	2130.5
2052.4	15°	2056.7	2076.5	2113.4	2162.3	2177.7	2164.0	2145.1	2127.9	2125.4	2127.1
2145.1	17.5°	2145.1	2159.7	2202.6	2243.8	2232.6	2176.0	2134.8	2107.3	2093.6	2089.3
2263.5	20°	2268.7	2268.7	2303.8	2329.6	2254.9	2158.8	2094.5	2049.9	2021.5	2009.5
2424.8	22.5°	2418.8	2405.1	2427.4	2409.4	2250.6	2110.8	2021.5	1944.3	1901.4	1884.3
2650.5	25°	2609.3	2593.0	2587.0	2475.4	2219.8	2034.4	1889.4	1795.9	1758.1	1748.7
2975.7	27.5°	2896.7	2855.6	2777.5	2511.5	2163.1	1914.3	1735.0	1648.3	1626.8	1627.7
3393.6	30°	3279.4	3197.1	3005.7	2517.5	2070.5	1744.4	1577.1	1515.3	1505.0	1509.3
3744.5	32.5°	3633.8	3555.7	3239.1	2490.0	1928.0	1577.9	1435.5	1394.3	1378.9	1384.0
4012.2	35°	3911.8	3890.4	3455.3	2451.4	1753.0	1421.8	1308.5	1273.3	1243.3	1236.4
4264.5	37.5°	4174.4	4165.8	3617.5	2397.4	1579.7	1311.1	1206.4	1160.1	1116.3	1092.3
4543.3	40°	4462.7	4454.1	3723.9	2314.1	1426.1	1215.0	1114.6	1053.7	999.6	955.9
4859.1	42.5°	4787.0	4736.4	3774.5	2194.9	1295.6	1133.5	1039.9	957.6	886.4	846.0
5216.0	45°	5141.4	5027.3	3773.7	2043.0	1185.8	1058.8	960.1	843.5	777.4	739.6
5582.4	47.5°	5517.2	5305.3	3727.3	1874.8	1079.4	976.5	836.6	747.4	703.6	680.4
5980.5	50°	5905.0	5565.3	3648.4	1681.8	970.4	882.9	759.4	698.4	665.0	643.5
6375.2	52.5°	6269.7	5801.2	3553.1	1463.0	859.8	792.0	725.0	677.9	642.7	618.6
6757.9	55°	6608.6	6004.6	3418.4	1239.0	769.7	731.1	708.7	669.3	628.9	600.6
7146.6	57.5°	6909.8	6136.7	3185.9	1028.8	705.3	689.0	691.6	654.7	608.4	584.3
7529.3	60°	7160.3	6233.7	2841.8	834.0	653.0	647.8	665.0	627.2	573.2	545.7
7852.8	62.5°	7310.5	6231.9	2419.7	683.0	608.4	610.1	629.8	592.9	538.0	512.3
8021.8	65°	7297.6	6079.2	1956.3	584.3	565.4	567.2	592.9	555.2	508.8	493.4
7936.9	67.5°	7039.4	5706.8	1500.7	520.0	518.3	526.0	556.0	529.4	490.8	489.1
7430.6	70°	6340.1	4933.7	1081.1	468.5	469.3	480.5	520.0	513.1	481.4	484.8
6247.4	72.5°	5083.9	3761.7	725.9	414.4	415.3	433.3	485.7	500.2	471.9	517.4
4432.6	75°	3385.8	2345.9	466.8	356.9	357.8	381.0	455.6	475.4	446.2	515.7
2306.4	77.5°	1626.8	1054.5	338.1	300.3	300.3	321.8	393.8	425.6	380.1	400.7
741.3	80°	562.0	396.4	266.0	242.0	236.8	251.4	332.1	369.0	327.8	302.0
242.0	82.5°	221.4	205.9	213.7	187.9	170.8	180.2	258.3	304.6	241.1	217.9
136.4	85°	127.0	133.9	151.0	124.4	98.7	110.7	189.6	218.8	181.9	160.5
44.6	87.5°	34.3	47.2	69.5	64.4	44.6	47.2	90.1	121.0	104.7	80.7
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°
1811.3
1857.7
1931.4
2020.7
2103.1
2132.2
2133.1
2095.3
2007.0
1881.7
1750.4
1630.3
1523.9
1390.9
1241.6
1093.1
960.1
848.6
737.9
675.3
635.8
608.4
589.5
568.9
533.7
504.5
492.5
491.7
483.9
524.3
520.0
367.2
283.2
217.1
163.9
83.2
0.0

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