

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: P847243

Luminaire Tested: **GLAN-SB3B-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847243
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-SB3B-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16178 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

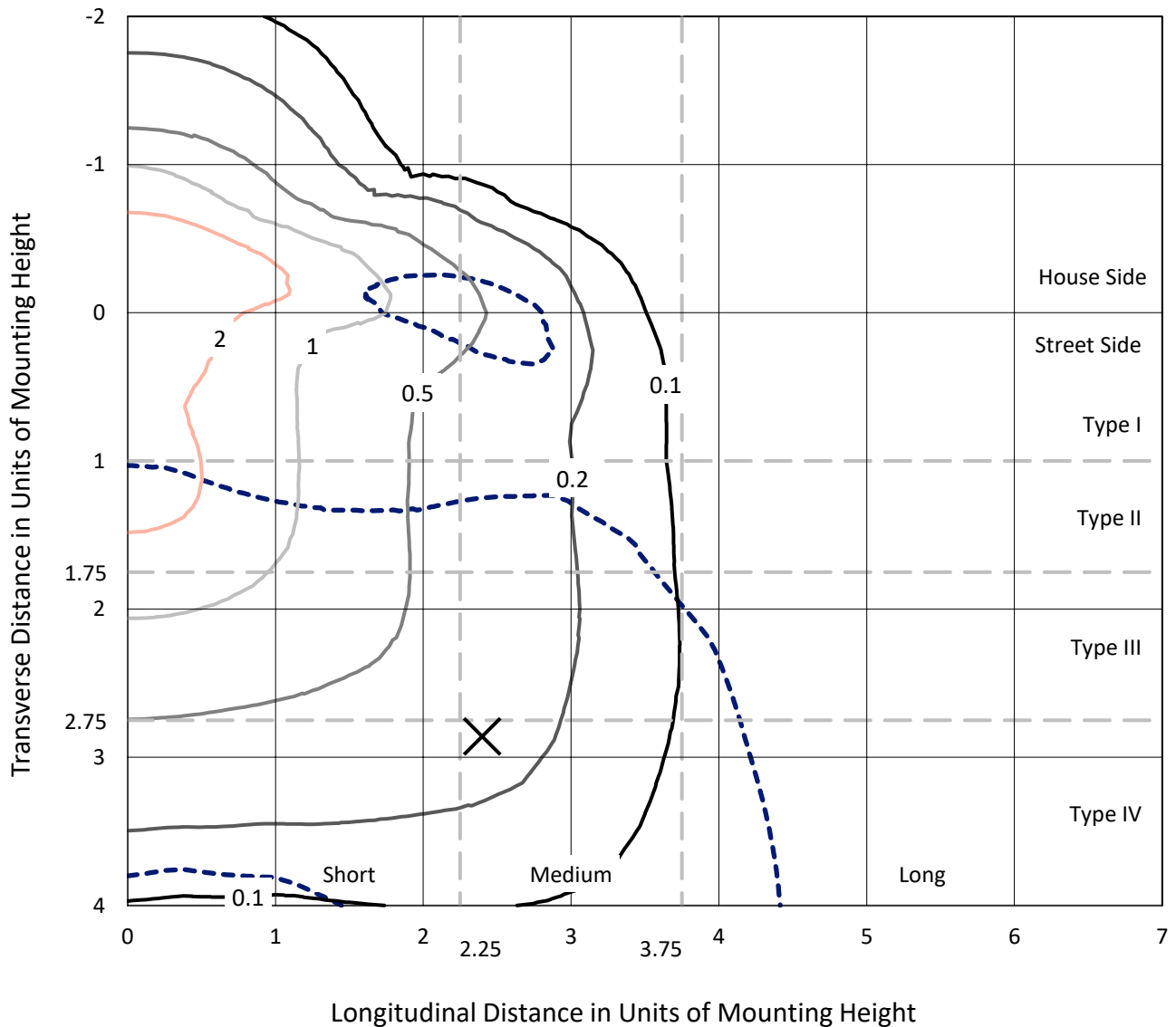
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

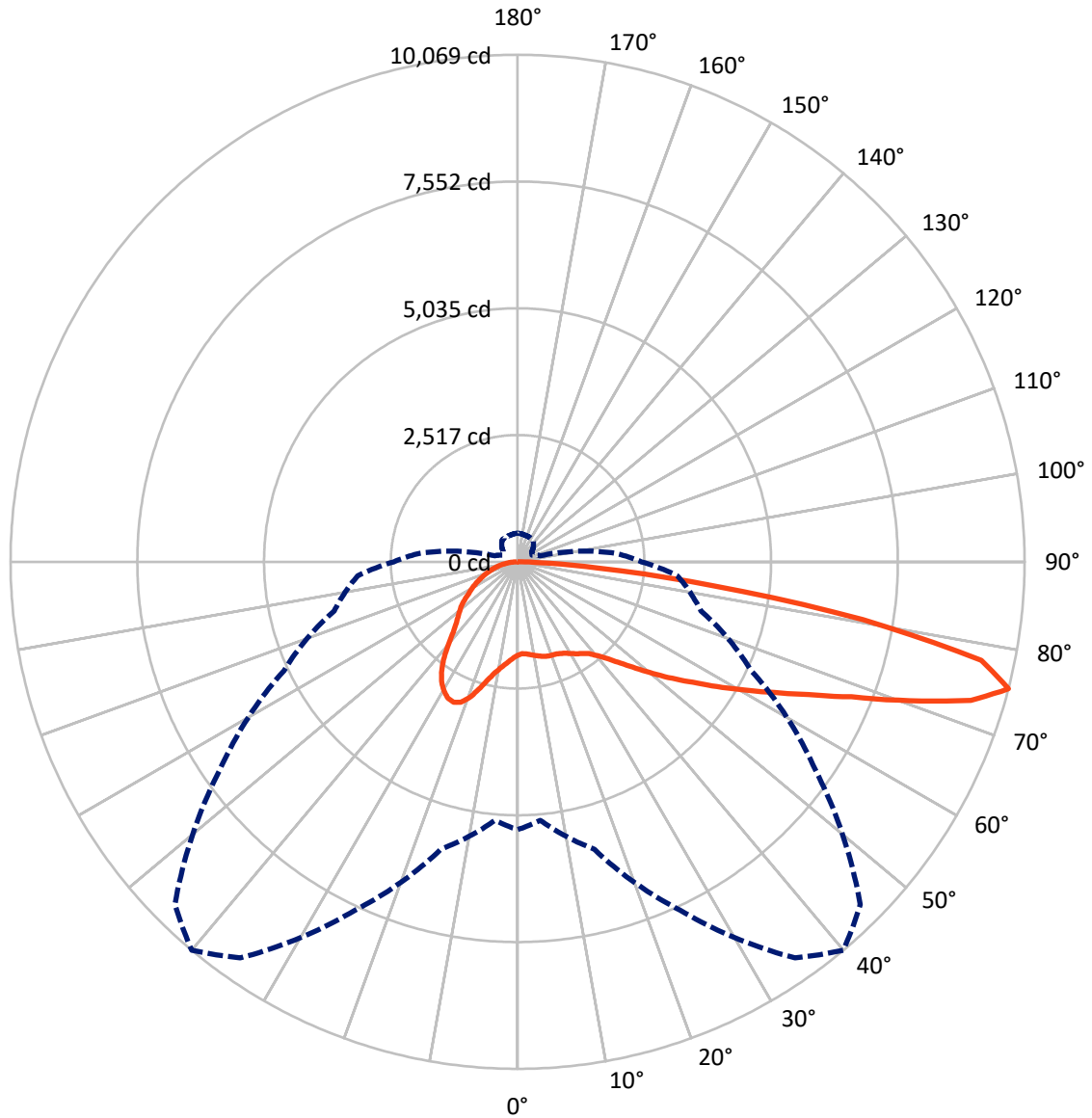
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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
House Side	Lumens	5012.5	0.0	5012.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	11165.5	0.0	11165.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	16178.0	0.0	16178.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	1.1
10°-20°	620.0	3.8
20°-30°	1132.1	7.0
30°-40°	1605.6	9.9
40°-50°	2168.0	13.4
50°-60°	2916.6	18.0
60°-70°	3701.8	22.9
70°-80°	3359.6	20.8
80°-90°	489.7	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°	16178.0	100.0
0°-180°	16178.0	100.0

Coefficient of Utilization

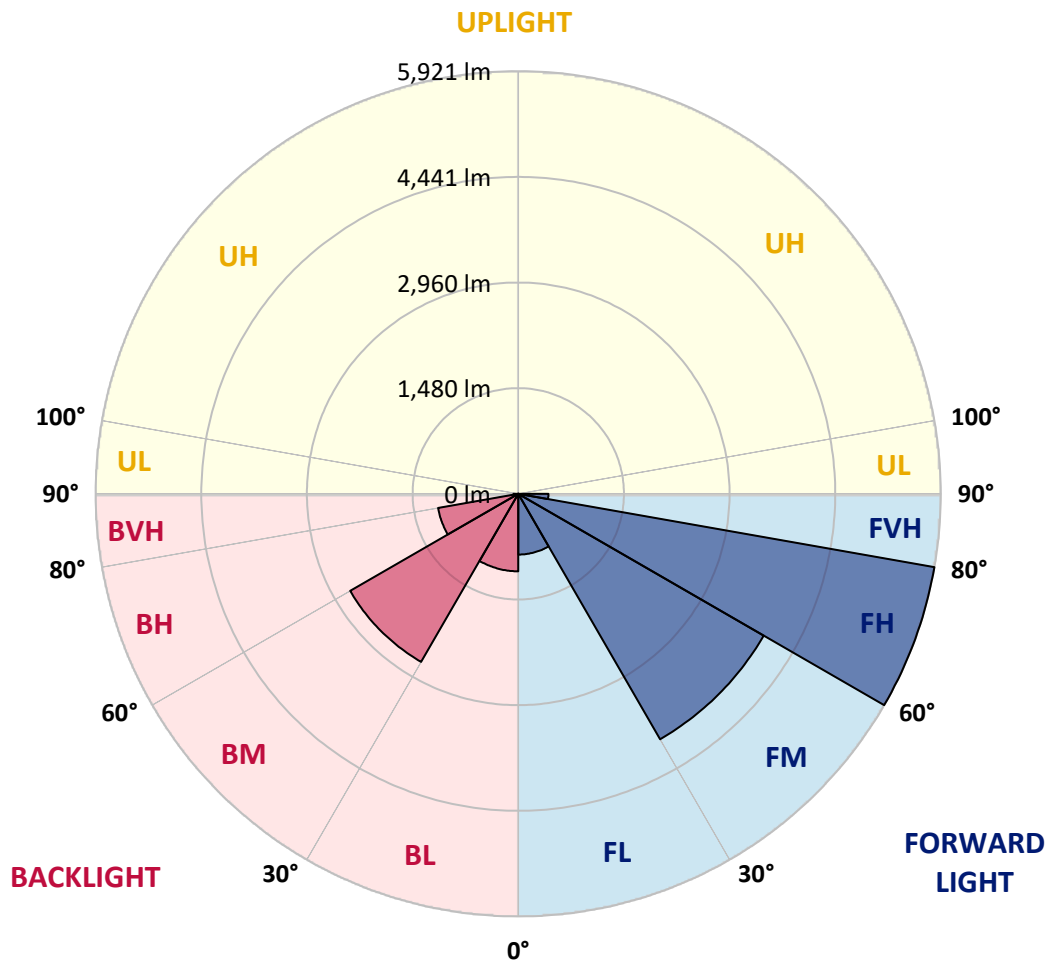


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	851.0	5.3			
FM (30°-60°)	3971.3	24.5			
FH (60°-80°)	5920.9	36.6			G3/7500
FVH (80°-90°)	422.3	2.6			G3/500
BL (0°-30°)	1085.7	6.7	B3/2500		
BM (30°-60°)	2718.8	16.8	B3/5000		
BH (60°-80°)	1140.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	67.4	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°	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0
2.5°	1821.7	1832.0	1829.4	1826.0	1826.0	1826.8	1826.0	1832.0	1838.0	1844.0
5°	1840.5	1850.8	1845.7	1841.4	1838.0	1837.1	1834.5	1833.7	1837.1	1844.8
7.5°	1877.4	1887.7	1880.0	1872.3	1865.4	1862.0	1858.6	1853.4	1850.8	1855.1
10°	1918.6	1928.9	1919.5	1905.7	1894.6	1890.3	1886.9	1881.7	1878.3	1880.9
12.5°	1959.8	1970.1	1957.2	1938.4	1923.8	1921.2	1916.9	1915.2	1914.3	1913.5
15°	1998.4	2007.0	1990.7	1968.4	1952.9	1948.7	1944.4	1946.9	1951.2	1956.4
17.5°	2028.5	2037.0	2013.0	1983.8	1969.2	1967.5	1965.0	1973.5	1985.5	1998.4
20°	2055.9	2064.5	2033.6	1994.1	1977.0	1977.0	1977.8	1995.8	2013.0	2031.9
22.5°	2094.5	2101.4	2063.6	2009.6	1984.7	1986.4	1993.3	2011.3	2032.7	2058.5
25°	2152.0	2157.2	2110.8	2038.7	2010.4	2015.6	2021.6	2030.2	2050.8	2080.8
27.5°	2244.7	2249.0	2188.1	2090.2	2047.3	2055.9	2064.5	2058.5	2067.9	2093.7
30°	2375.1	2377.7	2300.5	2170.9	2110.0	2114.3	2116.0	2091.1	2073.1	2093.7
32.5°	2529.6	2528.7	2436.9	2268.7	2181.2	2176.9	2162.3	2113.4	2071.4	2089.4
35°	2769.0	2759.5	2641.1	2406.0	2261.8	2235.2	2200.9	2138.3	2079.9	2085.1
37.5°	3165.4	3136.2	2972.3	2630.8	2382.0	2314.2	2263.6	2178.6	2098.8	2083.4
40°	3612.4	3575.5	3395.3	2938.9	2562.2	2453.2	2371.7	2236.1	2129.7	2091.1
42.5°	4142.7	4090.4	3896.4	3301.8	2790.4	2632.5	2509.8	2309.0	2175.2	2116.0
45°	4794.0	4724.5	4449.9	3711.1	3077.9	2867.6	2703.7	2419.7	2244.7	2164.0
47.5°	5452.1	5469.3	5078.9	4179.6	3422.8	3157.7	2946.6	2586.2	2345.9	2241.3
50°	6151.4	6163.4	5704.4	4698.7	3814.1	3485.4	3219.4	2772.4	2486.7	2351.1
52.5°	6697.2	6698.9	6272.4	5241.9	4221.7	3845.8	3513.8	2985.2	2649.7	2497.0
55°	7038.7	7034.4	6670.6	5755.9	4690.2	4224.2	3839.8	3227.2	2848.8	2668.6
57.5°	7286.6	7273.8	6945.1	6197.8	5189.5	4671.3	4208.8	3501.7	3083.9	2872.8
60°	7381.0	7373.3	7131.3	6579.6	5714.7	5165.5	4634.4	3808.9	3350.7	3113.9
62.5°	7417.1	7431.7	7314.1	6949.4	6276.7	5713.0	5102.0	4176.2	3651.0	3386.8
65°	7544.1	7570.7	7546.6	7433.4	6911.7	6353.9	5722.4	4612.9	3978.8	3679.4
67.5°	7795.5	7822.1	7832.4	8012.6	7687.4	7152.8	6496.4	5156.9	4362.4	3983.1
70°	7789.5	7781.7	7963.6	8473.3	8658.7	8258.8	7539.8	5826.2	4819.7	4235.4
72.5°	7090.1	7028.4	7458.3	8468.2	9467.0	9413.8	8814.0	6689.4	5214.4	4266.3
75°	5319.1	5154.4	5913.7	7631.6	9601.7	10069.3	9624.0	7224.9	5120.9	3769.5
77.5°	2274.7	2109.1	3004.1	5649.5	8593.5	9412.9	8880.9	6303.3	4087.8	2492.7
80°	595.5	594.6	907.8	2561.3	5844.2	6951.1	6098.2	4070.6	2335.6	890.7
82.5°	246.3	240.3	333.8	996.2	2855.6	3900.7	3183.4	1815.7	843.5	241.1
85°	91.8	91.0	162.2	344.1	1007.4	1608.9	1164.4	464.2	210.2	117.6
87.5°	25.7	24.9	35.2	119.3	245.4	372.4	199.1	76.4	59.2	46.3
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°
1850.0	0°	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0	1850.0
1853.4	2.5°	1856.0	1860.3	1868.0	1874.0	1881.7	1890.3	1902.3	1910.0	1917.8	1922.9
1857.7	5°	1863.7	1873.1	1892.9	1912.6	1935.8	1957.2	1982.1	2000.1	2014.7	2019.0
1873.1	7.5°	1880.9	1896.3	1929.8	1963.2	2000.1	2035.3	2071.4	2102.2	2127.1	2136.6
1900.6	10°	1910.9	1931.5	1978.7	2025.9	2074.8	2128.8	2175.2	2219.8	2255.0	2269.6
1933.2	12.5°	1948.7	1974.4	2036.2	2101.4	2169.2	2243.8	2303.9	2358.8	2402.6	2422.3
1978.7	15°	1997.6	2031.0	2110.0	2197.5	2297.0	2400.8	2477.2	2538.1	2587.0	2611.1
2025.9	17.5°	2050.8	2095.4	2194.9	2327.1	2469.5	2605.9	2695.2	2739.8	2790.4	2813.6
2069.6	20°	2102.2	2157.2	2299.6	2491.8	2681.4	2826.4	2898.5	2910.5	2914.0	2916.5
2110.8	22.5°	2155.4	2229.2	2430.9	2699.5	2902.8	3003.2	3013.5	2962.0	2889.9	2856.5
2151.2	25°	2213.8	2311.6	2602.5	2928.6	3093.3	3105.3	3026.4	2901.1	2764.7	2702.0
2183.8	27.5°	2270.4	2406.9	2808.4	3147.4	3230.6	3125.1	2955.2	2777.5	2612.8	2546.7
2206.9	30°	2327.1	2515.8	3035.8	3338.7	3293.2	3076.1	2842.8	2644.5	2478.9	2409.4
2227.5	32.5°	2384.5	2642.8	3297.5	3476.9	3282.1	2972.3	2702.9	2495.2	2349.4	2276.4
2245.5	35°	2449.8	2799.0	3545.5	3552.4	3207.4	2819.6	2518.4	2316.8	2189.8	2131.4
2267.0	37.5°	2534.7	2997.2	3764.3	3571.2	3077.0	2595.6	2289.3	2105.7	2001.0	1974.4
2298.7	40°	2640.2	3235.7	3931.6	3541.2	2883.9	2323.6	2038.7	1892.0	1832.8	1838.8
2341.6	42.5°	2777.5	3502.6	4049.2	3464.0	2615.4	2043.0	1819.1	1753.9	1782.2	1806.2
2406.0	45°	2956.0	3779.8	4122.1	3332.7	2311.6	1805.4	1689.5	1705.0	1726.4	1729.0
2509.8	47.5°	3184.3	4060.3	4170.2	3134.5	2001.9	1638.0	1607.1	1610.6	1606.3	1588.3
2665.1	50°	3469.1	4333.2	4213.1	2871.9	1738.4	1533.4	1492.2	1480.2	1420.9	1362.6
2871.9	52.5°	3793.5	4583.8	4231.1	2545.9	1533.4	1445.8	1378.9	1303.4	1192.7	1174.7
3131.9	55°	4153.9	4815.4	4184.8	2145.1	1360.9	1333.4	1232.2	1141.2	1129.2	1113.8
3474.3	57.5°	4584.6	5065.1	4090.4	1698.1	1184.1	1202.1	1103.5	1113.8	1092.3	1068.3
3914.5	60°	5055.7	5323.4	3924.8	1290.5	1001.4	1038.3	1070.0	1069.1	1063.1	1043.4
4378.7	62.5°	5479.6	5493.3	3598.7	988.5	840.9	911.3	997.9	997.1	991.9	980.8
4863.5	65°	5731.8	5467.6	3054.7	778.3	708.8	806.6	900.1	907.0	907.8	907.0
5228.2	67.5°	5687.2	5166.4	2308.2	619.5	599.8	700.2	803.1	812.6	819.4	821.2
5274.5	70°	5182.7	4504.8	1505.0	494.2	502.8	606.6	711.3	720.8	726.8	733.6
4576.9	72.5°	4039.7	3312.1	861.5	399.9	417.9	526.0	620.4	631.5	635.0	647.8
3185.1	75°	2461.8	1947.8	465.1	314.9	343.2	449.6	530.3	543.2	549.2	564.6
1564.2	77.5°	1170.4	843.5	265.1	245.4	276.3	367.2	447.9	462.5	446.2	454.8
431.6	80°	395.6	313.2	167.3	187.1	211.1	286.6	358.7	373.3	338.9	337.2
143.3	82.5°	138.1	127.0	106.4	124.4	136.4	205.1	271.1	290.0	252.3	251.4
64.4	85°	54.1	51.5	59.2	67.8	81.5	126.1	178.5	187.9	155.3	125.3
18.9	87.5°	11.2	12.0	14.6	15.4	24.9	43.8	64.4	78.9	62.6	53.2
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°
1850.0
1919.5
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2137.4
2270.4
2422.3
2609.4
2812.7
2923.4
2865.9
2711.5
2554.4
2417.2
2285.9
2144.3
1993.3
1859.4
1828.5
1746.2
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