

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: P847253

Luminaire Tested: **GLAN-SB3B-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847253
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-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 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: 16435 lumens
Efficiency: N/A
Efficacy: 150.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

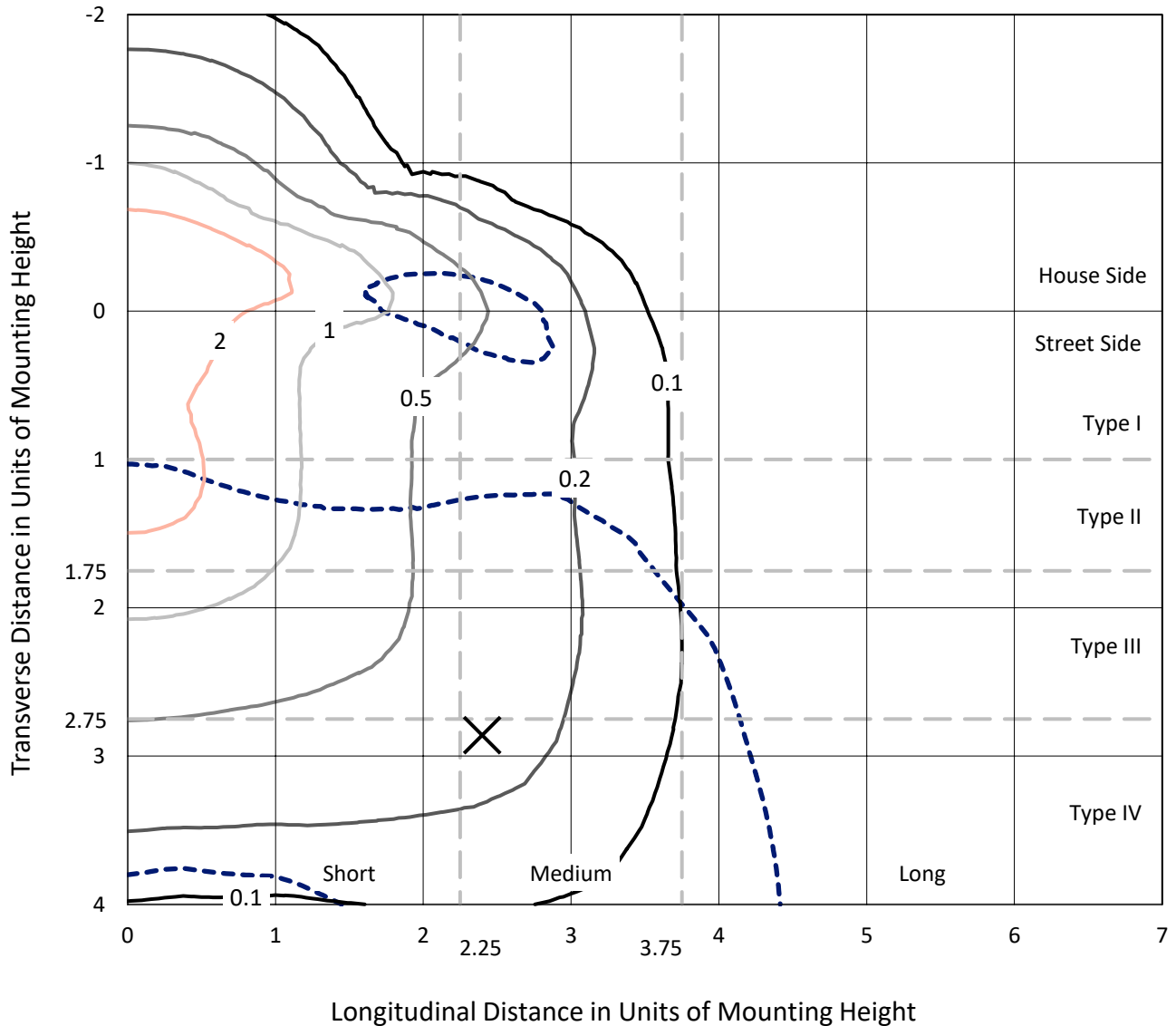
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

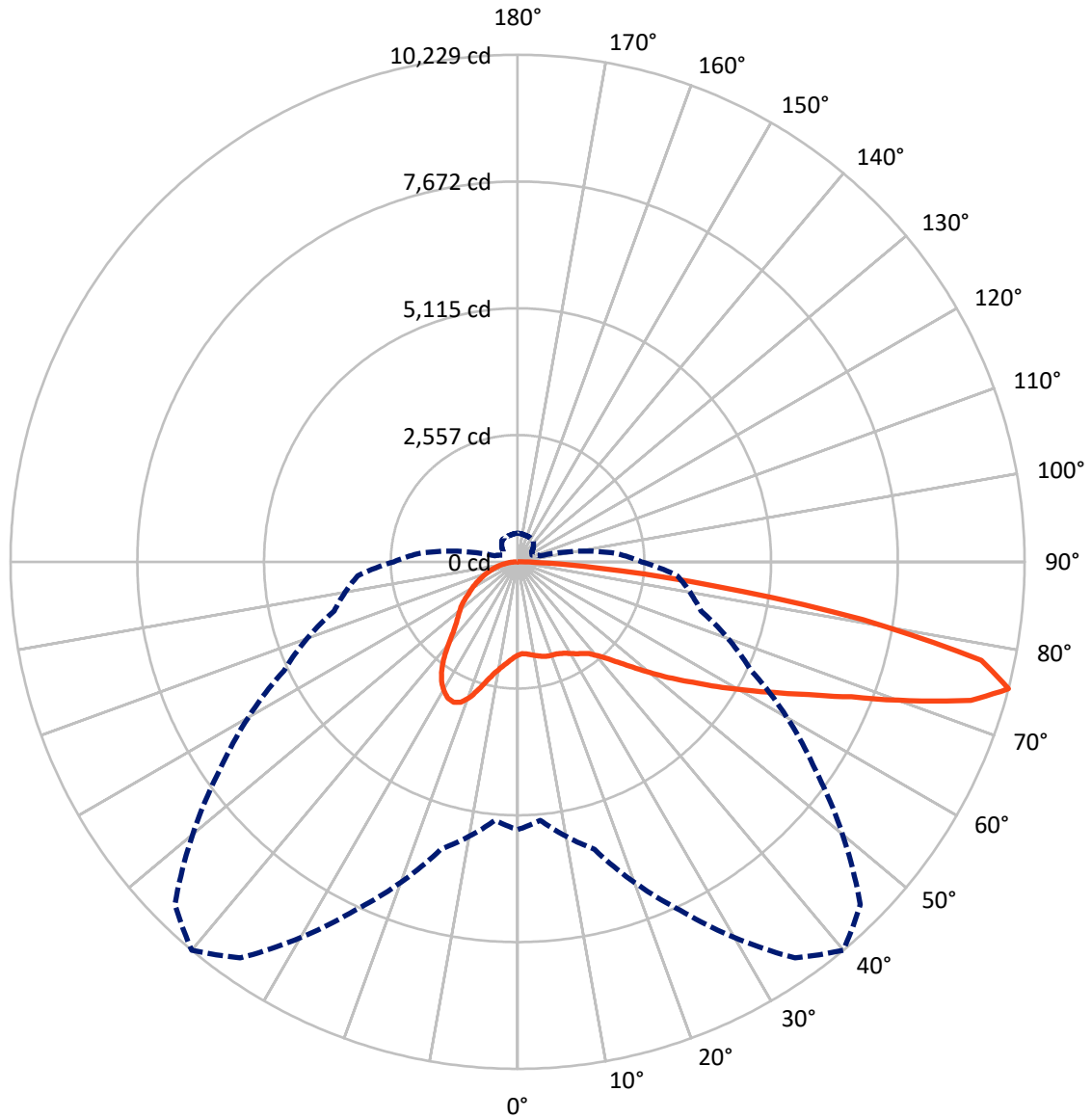
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	5092.1	0.0	5092.1
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	11342.9	0.0	11342.9
	% Fixture	69.0	0.0	69.0
Total	Lumens	16435.0	0.0	16435.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.6	1.1
10°-20°	629.8	3.8
20°-30°	1150.0	7.0
30°-40°	1631.1	9.9
40°-50°	2202.5	13.4
50°-60°	2962.9	18.0
60°-70°	3760.6	22.9
70°-80°	3413.0	20.8
80°-90°	497.5	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°	16435.0	100.0
0°-180°	16435.0	100.0

Coefficient of Utilization

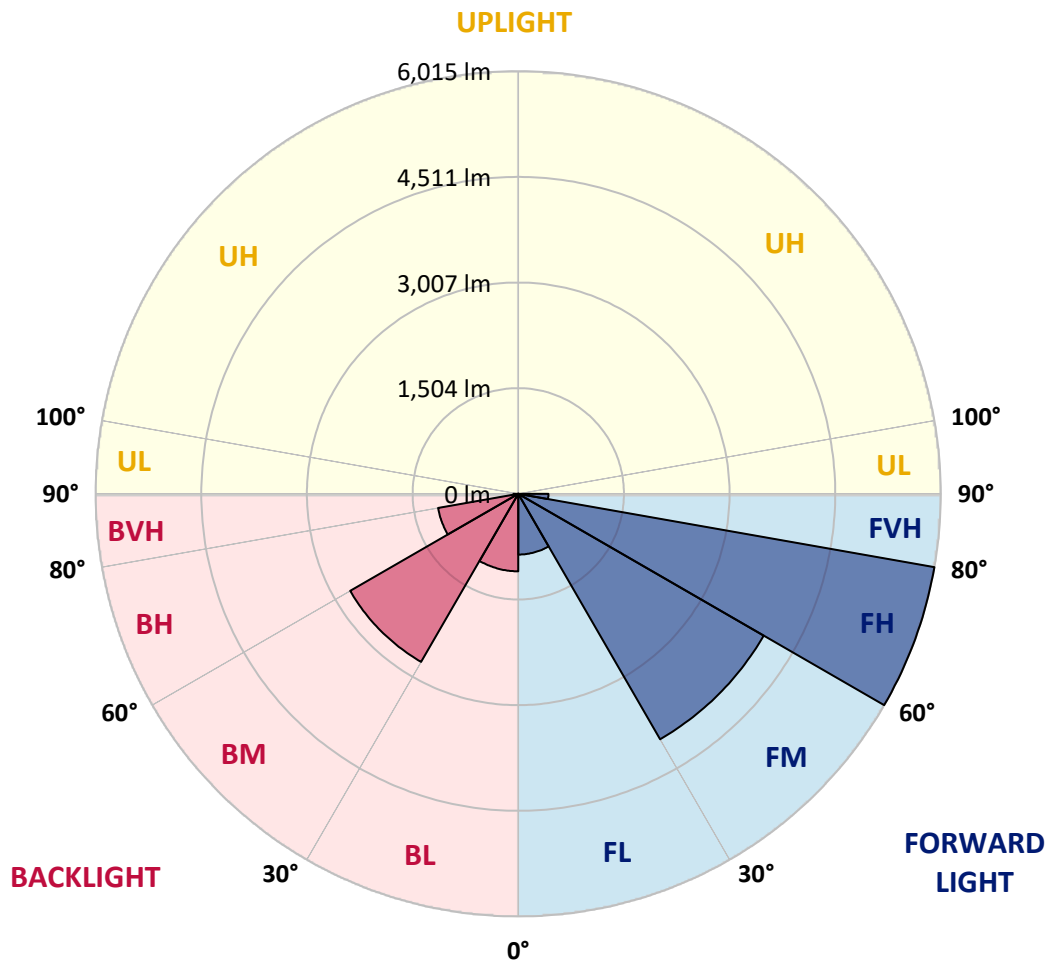


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	864.5	5.3			
FM (30°-60°)	4034.4	24.5			
FH (60°-80°)	6015.0	36.6			G3/7500
FVH (80°-90°)	429.0	2.6			G3/500
BL (0°-30°)	1103.0	6.7	B3/2500		
BM (30°-60°)	2762.0	16.8	B3/5000		
BH (60°-80°)	1158.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	68.5	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°	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4
2.5°	1850.6	1861.1	1858.4	1855.0	1855.0	1855.8	1855.0	1861.1	1867.2	1873.3
5°	1869.8	1880.2	1875.0	1870.6	1867.2	1866.3	1863.7	1862.8	1866.3	1874.1
7.5°	1907.3	1917.7	1909.9	1902.0	1895.1	1891.6	1888.1	1882.9	1880.2	1884.6
10°	1949.1	1959.6	1950.0	1936.0	1924.7	1920.3	1916.8	1911.6	1908.1	1910.7
12.5°	1990.9	2001.4	1988.3	1969.1	1954.3	1951.7	1947.4	1945.6	1944.7	1943.9
15°	2030.2	2038.9	2022.3	1999.7	1984.0	1979.6	1975.3	1977.9	1982.2	1987.5
17.5°	2060.7	2069.4	2045.0	2015.3	2000.5	1998.8	1996.2	2004.9	2017.1	2030.2
20°	2088.6	2097.3	2065.9	2025.8	2008.4	2008.4	2009.2	2027.6	2045.0	2064.2
22.5°	2127.8	2134.8	2096.4	2041.5	2016.2	2018.0	2024.9	2043.2	2065.0	2091.2
25°	2186.2	2191.4	2144.4	2071.1	2042.4	2047.6	2053.7	2062.4	2083.3	2113.8
27.5°	2280.3	2284.7	2222.8	2123.4	2079.9	2088.6	2097.3	2091.2	2100.8	2126.9
30°	2412.8	2415.5	2337.0	2205.4	2143.5	2147.8	2149.6	2124.3	2106.0	2126.9
32.5°	2569.7	2568.9	2475.6	2304.7	2215.8	2211.5	2196.7	2147.0	2104.3	2122.6
35°	2812.9	2803.4	2683.1	2444.2	2297.8	2270.8	2235.9	2172.3	2113.0	2118.2
37.5°	3215.7	3186.0	3019.5	2672.6	2419.8	2350.9	2299.5	2213.2	2132.2	2116.5
40°	3669.8	3632.3	3449.3	2985.5	2602.9	2492.2	2409.4	2271.6	2163.5	2124.3
42.5°	4208.5	4155.3	3958.3	3354.3	2834.7	2674.3	2549.7	2345.7	2209.7	2149.6
45°	4870.1	4799.5	4520.6	3770.1	3126.8	2913.2	2746.7	2458.2	2280.3	2198.4
47.5°	5538.7	5556.2	5159.5	4246.0	3477.2	3207.8	2993.4	2627.3	2383.2	2276.9
50°	6249.1	6261.4	5795.0	4773.4	3874.7	3540.8	3270.6	2816.4	2526.2	2388.4
52.5°	6803.5	6805.3	6372.1	5325.2	4288.7	3906.9	3569.6	3032.6	2691.8	2536.6
55°	7150.5	7146.1	6776.5	5847.3	4764.7	4291.3	3900.8	3278.4	2894.0	2711.0
57.5°	7402.4	7389.3	7055.5	6296.2	5272.0	4745.5	4275.6	3557.4	3132.9	2918.4
60°	7498.3	7490.4	7244.6	6684.1	5805.5	5247.6	4708.0	3869.4	3404.0	3163.4
62.5°	7534.9	7549.7	7430.3	7059.8	6376.4	5803.7	5183.1	4242.5	3709.0	3440.6
65°	7663.9	7690.9	7666.5	7551.5	7021.5	6454.9	5813.3	4686.2	4042.0	3737.8
67.5°	7919.3	7946.3	7956.8	8139.8	7809.5	7266.4	6599.6	5238.9	4431.7	4046.4
70°	7913.2	7905.4	8090.2	8607.9	8796.2	8390.0	7659.5	5918.8	4896.3	4302.7
72.5°	7202.8	7140.0	7576.7	8602.7	9617.4	9563.3	8954.0	6795.7	5297.3	4334.0
75°	5403.6	5236.2	6007.7	7752.8	9754.2	10229.3	9776.9	7339.6	5202.2	3829.3
77.5°	2310.9	2142.6	3051.8	5739.2	8730.0	9562.4	9022.0	6403.4	4152.7	2532.3
80°	605.0	604.1	922.2	2602.0	5937.1	7061.6	6195.1	4135.3	2372.7	904.8
82.5°	250.2	244.1	339.1	1012.0	2901.0	3962.7	3234.0	1844.5	856.9	244.9
85°	93.3	92.4	164.7	349.5	1023.4	1634.4	1182.9	471.6	213.6	119.4
87.5°	26.2	25.3	35.7	121.2	249.3	378.3	202.2	77.6	60.1	47.1
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°
1879.4	0°	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4	1879.4
1882.9	2.5°	1885.5	1889.8	1897.7	1903.8	1911.6	1920.3	1932.5	1940.4	1948.2	1953.5
1887.2	5°	1893.3	1902.9	1922.9	1943.0	1966.5	1988.3	2013.6	2031.9	2046.7	2051.1
1902.9	7.5°	1910.7	1926.4	1960.4	1994.4	2031.9	2067.6	2104.3	2135.6	2160.9	2170.5
1930.8	10°	1941.3	1962.2	2010.1	2058.1	2107.7	2162.7	2209.7	2255.1	2290.8	2305.6
1963.9	12.5°	1979.6	2005.8	2068.5	2134.8	2203.6	2279.5	2340.5	2396.3	2440.7	2460.8
2010.1	15°	2029.3	2063.3	2143.5	2232.4	2333.5	2439.0	2516.6	2578.5	2628.1	2652.6
2058.1	17.5°	2083.3	2128.7	2229.8	2364.0	2508.7	2647.3	2738.0	2783.3	2834.7	2858.3
2102.5	20°	2135.6	2191.4	2336.1	2531.4	2724.0	2871.3	2944.6	2956.8	2960.3	2962.9
2144.4	22.5°	2189.7	2264.7	2469.5	2742.3	2948.9	3050.9	3061.4	3009.1	2935.9	2901.9
2185.3	25°	2249.0	2348.3	2643.8	2975.1	3142.4	3154.6	3074.5	2947.2	2808.6	2745.0
2218.5	27.5°	2306.5	2445.1	2853.0	3197.4	3281.9	3174.7	3002.1	2821.7	2654.3	2587.2
2242.0	30°	2364.0	2555.8	3084.0	3391.7	3345.5	3125.0	2887.9	2686.5	2518.3	2447.7
2262.9	32.5°	2422.4	2684.8	3349.9	3532.1	3334.2	3019.5	2745.8	2534.9	2386.7	2312.6
2281.2	35°	2488.7	2843.5	3601.8	3608.8	3258.4	2864.4	2558.4	2353.6	2224.6	2165.3
2303.0	37.5°	2575.0	3044.8	3824.1	3628.0	3125.9	2636.9	2325.7	2139.1	2032.8	2005.8
2335.3	40°	2682.2	3287.1	3994.1	3597.5	2929.8	2360.5	2071.1	1922.1	1861.9	1868.0
2378.8	42.5°	2821.7	3558.2	4113.5	3519.0	2656.9	2075.5	1848.0	1781.7	1810.5	1834.9
2444.2	45°	3003.0	3839.8	4187.6	3385.6	2348.3	1834.0	1716.4	1732.0	1753.8	1756.5
2549.7	47.5°	3234.8	4124.8	4236.4	3184.3	2033.7	1664.1	1632.7	1636.2	1631.8	1613.5
2707.5	50°	3524.2	4402.0	4280.0	2917.5	1766.0	1557.7	1515.9	1503.7	1443.5	1384.2
2917.5	52.5°	3853.7	4656.6	4298.3	2586.3	1557.7	1468.8	1400.8	1324.1	1211.6	1193.3
3181.7	55°	4219.9	4891.9	4251.2	2179.2	1382.5	1354.6	1251.7	1159.3	1147.1	1131.5
3529.5	57.5°	4657.4	5145.6	4155.3	1725.1	1202.9	1221.2	1121.0	1131.5	1109.7	1085.3
3976.7	60°	5136.0	5408.0	3987.1	1311.0	1017.3	1054.7	1087.0	1086.1	1080.0	1060.0
4448.2	62.5°	5566.6	5580.6	3655.9	1004.2	854.3	925.7	1013.8	1012.9	1007.7	996.3
4940.7	65°	5822.9	5554.4	3103.2	790.6	720.0	819.4	914.4	921.4	922.2	921.4
5311.2	67.5°	5777.6	5248.4	2344.8	629.4	609.3	711.3	815.9	825.5	832.5	834.2
5358.3	70°	5265.0	4576.4	1528.9	502.1	510.8	616.3	722.6	732.2	738.3	745.3
4649.6	72.5°	4103.9	3364.7	875.2	406.2	424.5	534.3	630.2	641.6	645.1	658.1
3235.7	75°	2500.9	1978.7	472.5	319.9	348.7	456.8	538.7	551.8	557.9	573.6
1589.1	77.5°	1189.0	856.9	269.4	249.3	280.7	373.1	455.0	469.8	453.3	462.0
438.5	80°	401.8	318.2	170.0	190.0	214.4	291.1	364.4	379.2	344.3	342.6
145.6	82.5°	140.3	129.0	108.1	126.4	138.6	208.3	275.5	294.6	256.3	255.4
65.4	85°	54.9	52.3	60.1	68.9	82.8	128.1	181.3	190.9	157.8	127.3
19.2	87.5°	11.3	12.2	14.8	15.7	25.3	44.5	65.4	80.2	63.6	54.0
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°
1879.4
1950.0
2052.8
2171.4
2306.5
2460.8
2650.8
2857.4
2969.8
2911.4
2754.5
2595.0
2455.6
2322.2
2178.4
2024.9
1889.0
1857.6
1773.9
1627.4
1392.1
1199.4
1134.1
1080.9
1053.0
992.0
921.4
836.0
748.8
663.4
575.3
455.0
339.1
243.2
125.5
49.7
0.0

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