

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: P846973

Luminaire Tested: **GLAN-SB2D-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846973
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-SB2D-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16702 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

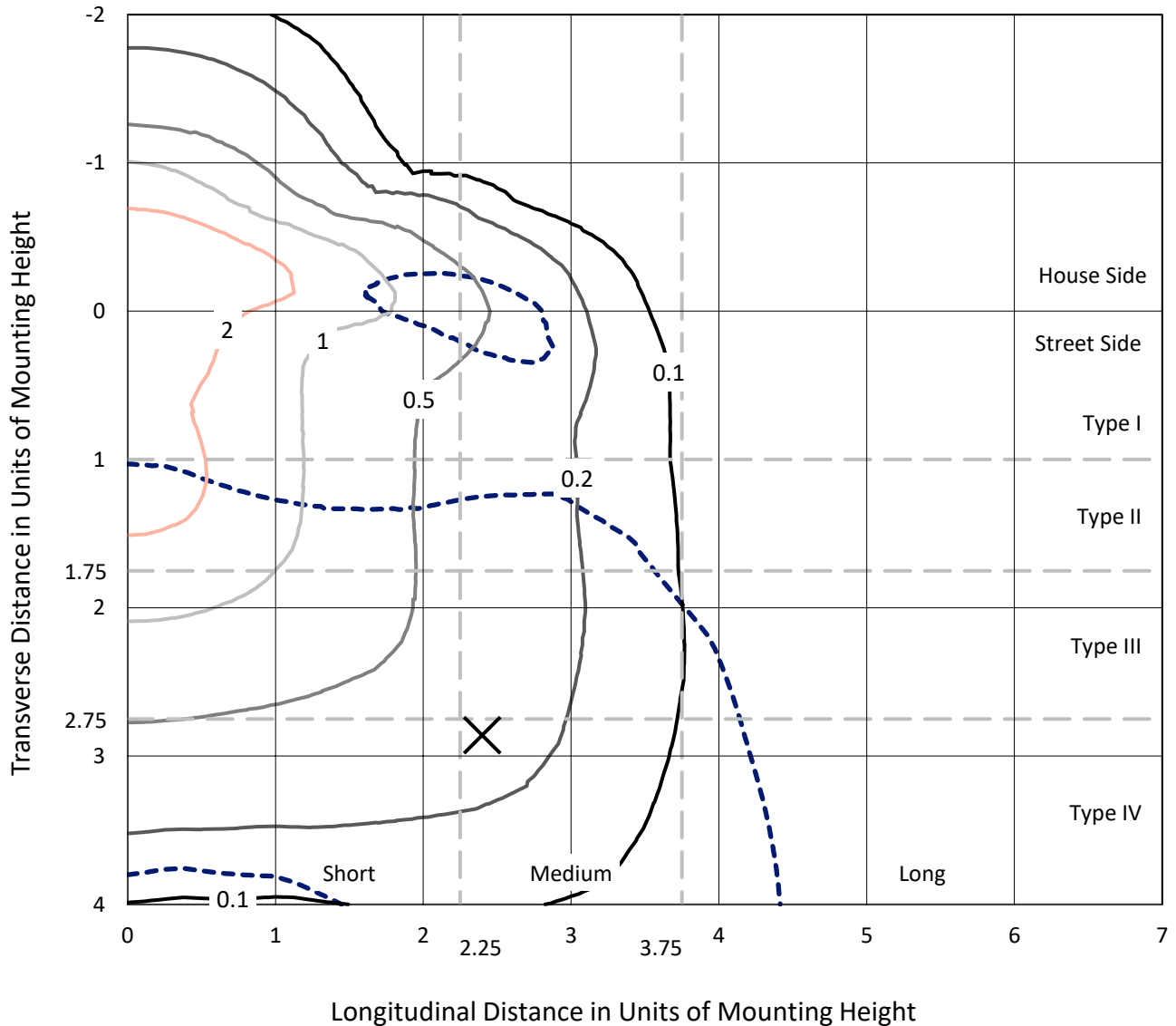
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

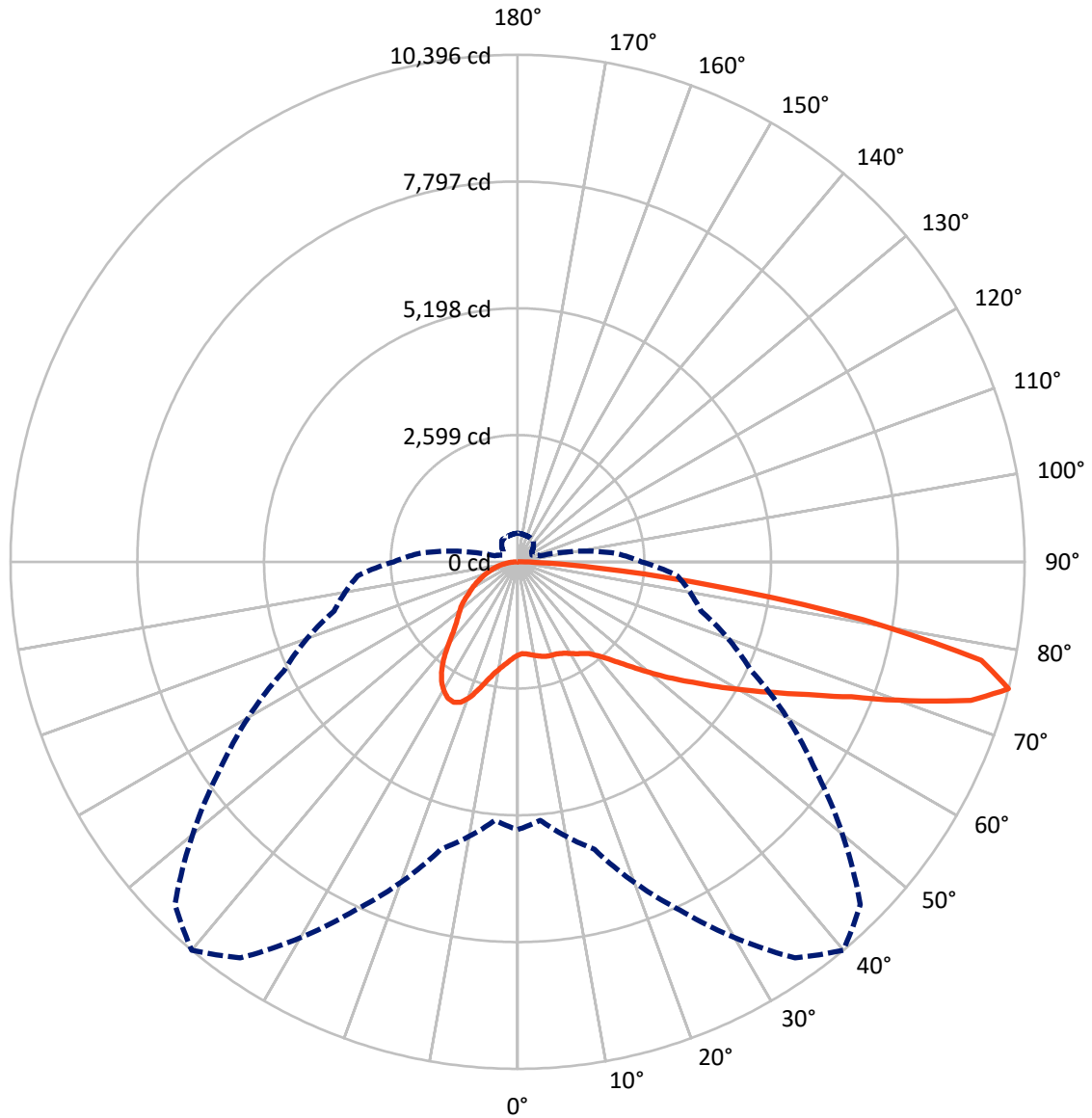
× Max cd
 - - - 1/2 Max cd



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	5174.8	0.0	5174.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	11527.2	0.0	11527.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	16702.0	0.0	16702.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.6	1.1
10°-20°	640.1	3.8
20°-30°	1168.7	7.0
30°-40°	1657.6	9.9
40°-50°	2238.2	13.4
50°-60°	3011.0	18.0
60°-70°	3821.7	22.9
70°-80°	3468.4	20.8
80°-90°	505.6	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°	16702.0	100.0
0°-180°	16702.0	100.0

Coefficient of Utilization

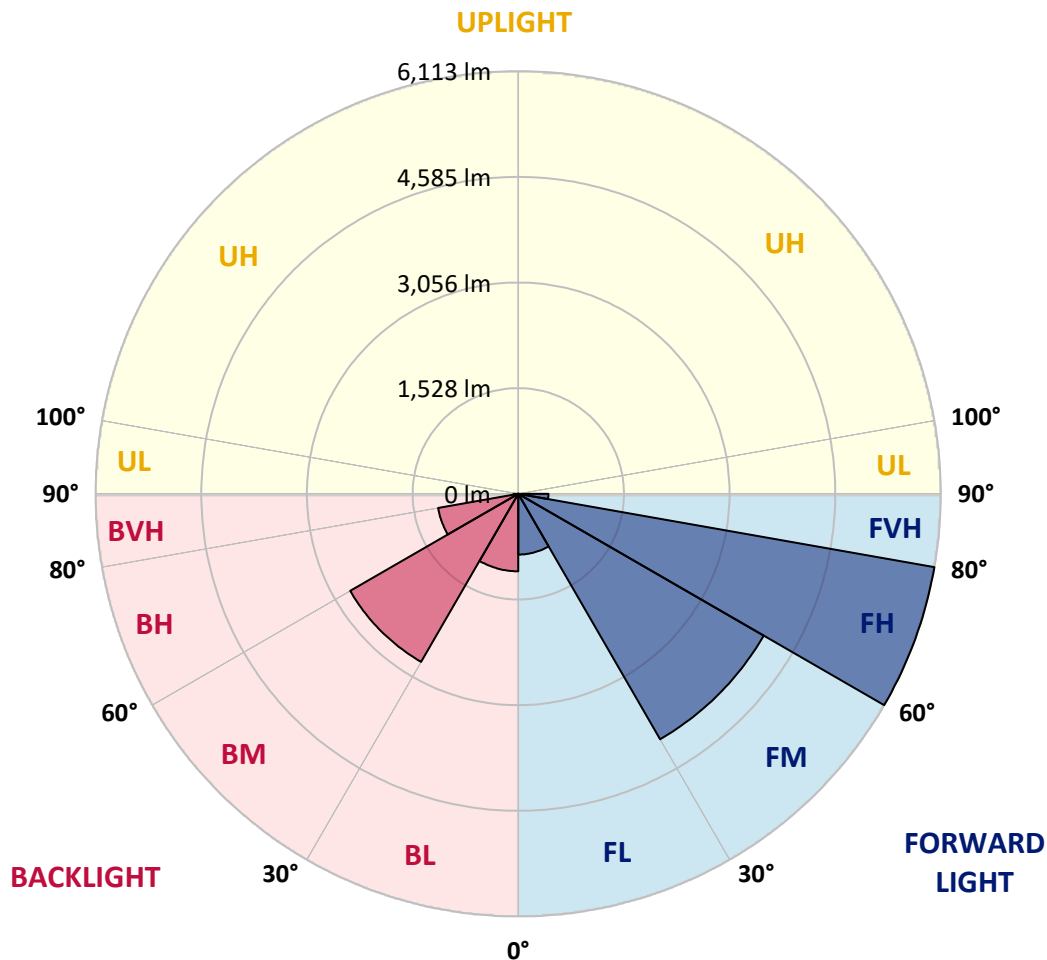


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	878.5	5.3			
FM (30°-60°)	4100.0	24.5			
FH (60°-80°)	6112.7	36.6			G3/7500
FVH (80°-90°)	436.0	2.6			G3/500
BL (0°-30°)	1120.9	6.7	B3/2500		
BM (30°-60°)	2806.9	16.8	B3/5000		
BH (60°-80°)	1177.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	69.6	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°	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9
2.5°	1880.7	1891.3	1888.6	1885.1	1885.1	1886.0	1885.1	1891.3	1897.5	1903.7
5°	1900.2	1910.8	1905.5	1901.0	1897.5	1896.6	1894.0	1893.1	1896.6	1904.6
7.5°	1938.2	1948.9	1940.9	1932.9	1925.8	1922.3	1918.8	1913.4	1910.8	1915.2
10°	1980.8	1991.4	1981.6	1967.5	1956.0	1951.5	1948.0	1942.7	1939.1	1941.8
12.5°	2023.3	2033.9	2020.6	2001.1	1986.1	1983.4	1979.0	1977.2	1976.3	1975.4
15°	2063.1	2072.0	2055.2	2032.1	2016.2	2011.8	2007.3	2010.0	2014.4	2019.7
17.5°	2094.2	2103.0	2078.2	2048.1	2033.0	2031.3	2028.6	2037.5	2049.9	2063.1
20°	2122.5	2131.4	2099.5	2058.7	2041.0	2041.0	2041.9	2060.5	2078.2	2097.7
22.5°	2162.4	2169.5	2130.5	2074.7	2049.0	2050.7	2057.8	2076.4	2098.6	2125.2
25°	2221.7	2227.0	2179.2	2104.8	2075.6	2080.9	2087.1	2095.9	2117.2	2148.2
27.5°	2317.4	2321.8	2258.9	2157.9	2113.6	2122.5	2131.4	2125.2	2134.9	2161.5
30°	2452.0	2454.7	2375.0	2241.2	2178.3	2182.7	2184.5	2158.8	2140.2	2161.5
32.5°	2611.5	2610.6	2515.8	2342.2	2251.8	2247.4	2232.3	2181.9	2138.4	2157.0
35°	2858.6	2848.9	2726.7	2483.9	2335.1	2307.6	2272.2	2207.5	2147.3	2152.6
37.5°	3267.9	3237.8	3068.6	2716.0	2459.1	2389.1	2336.9	2249.2	2166.8	2150.8
40°	3729.4	3691.3	3505.3	3034.0	2645.2	2532.6	2448.5	2308.5	2198.7	2158.8
42.5°	4276.9	4222.9	4022.7	3408.8	2880.8	2717.8	2591.1	2383.8	2245.6	2184.5
45°	4949.3	4877.5	4594.0	3831.3	3177.5	2960.5	2791.3	2498.1	2317.4	2234.1
47.5°	5628.7	5646.4	5243.4	4315.0	3533.7	3259.9	3042.0	2670.0	2421.9	2313.8
50°	6350.7	6363.1	5889.1	4850.9	3937.6	3598.3	3323.7	2862.2	2567.2	2427.2
52.5°	6914.1	6915.8	6475.6	5411.7	4358.4	3970.4	3627.6	3081.9	2735.5	2577.8
55°	7266.6	7262.2	6886.6	5942.3	4842.1	4361.0	3964.2	3331.7	2941.0	2755.0
57.5°	7522.7	7509.4	7170.1	6398.5	5357.6	4822.6	4345.1	3615.2	3183.8	2965.8
60°	7620.1	7612.1	7362.3	6792.7	5899.8	5332.8	4784.5	3932.3	3459.3	3214.8
62.5°	7657.3	7672.4	7551.0	7174.5	6480.0	5898.0	5267.3	4311.4	3769.3	3496.5
65°	7788.4	7815.9	7791.1	7674.1	7135.5	6559.7	5907.7	4762.3	4107.7	3798.5
67.5°	8048.0	8075.4	8086.1	8272.1	7936.3	7384.5	6706.8	5324.0	4503.7	4112.1
70°	8041.8	8033.8	8221.6	8747.8	8939.1	8526.3	7784.0	6014.9	4975.8	4372.6
72.5°	7319.8	7256.0	7699.8	8742.5	9773.6	9718.7	9099.5	6906.1	5383.3	4404.5
75°	5491.4	5321.3	6105.3	7878.8	9912.7	10395.5	9935.7	7458.9	5286.8	3891.5
77.5°	2348.4	2177.4	3101.4	5832.4	8871.8	9717.8	9168.6	6507.5	4220.2	2573.4
80°	614.8	613.9	937.2	2644.3	6033.5	7176.3	6295.7	4202.5	2411.3	919.5
82.5°	254.2	248.0	344.6	1028.5	2948.1	4027.1	3286.5	1874.5	870.8	248.9
85°	94.8	93.9	167.4	355.2	1040.0	1661.0	1202.1	479.2	217.0	121.4
87.5°	26.6	25.7	36.3	123.1	253.4	384.5	205.5	78.8	61.1	47.8
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°
1909.9	0°	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9	1909.9
1913.4	2.5°	1916.1	1920.5	1928.5	1934.7	1942.7	1951.5	1963.9	1971.9	1979.9	1985.2
1917.9	5°	1924.1	1933.8	1954.2	1974.6	1998.5	2020.6	2046.3	2064.9	2080.0	2084.4
1933.8	7.5°	1941.8	1957.7	1992.3	2026.8	2064.9	2101.2	2138.4	2170.3	2196.0	2205.8
1962.2	10°	1972.8	1994.1	2042.8	2091.5	2142.0	2197.8	2245.6	2291.7	2328.0	2343.1
1995.8	12.5°	2011.8	2038.3	2102.1	2169.5	2239.4	2316.5	2378.5	2435.2	2480.4	2500.8
2042.8	15°	2062.3	2096.8	2178.3	2268.7	2371.4	2478.6	2557.5	2620.3	2670.8	2695.6
2091.5	17.5°	2117.2	2163.2	2266.0	2402.4	2549.5	2690.3	2782.5	2828.5	2880.8	2904.7
2136.7	20°	2170.3	2227.0	2374.1	2572.5	2768.3	2918.0	2992.4	3004.8	3008.4	3011.0
2179.2	22.5°	2225.3	2301.4	2509.6	2786.9	2996.8	3100.5	3111.1	3058.0	2983.5	2949.0
2220.8	25°	2285.5	2386.5	2686.8	3023.4	3193.5	3205.9	3124.4	2995.1	2854.2	2789.5
2254.5	27.5°	2344.0	2484.8	2899.4	3249.3	3335.2	3226.3	3050.9	2867.5	2697.4	2629.2
2278.4	30°	2402.4	2597.3	3134.1	3446.8	3399.9	3175.8	2934.8	2730.2	2559.2	2487.5
2299.7	32.5°	2461.8	2728.4	3404.3	3589.5	3388.4	3068.6	2790.4	2576.1	2425.5	2350.2
2318.3	35°	2529.1	2889.6	3660.3	3667.4	3311.3	2910.9	2600.0	2391.8	2260.7	2200.5
2340.4	37.5°	2616.8	3094.3	3886.2	3686.9	3176.7	2679.7	2363.5	2173.9	2065.8	2038.3
2373.2	40°	2725.8	3340.5	4059.0	3655.9	2977.3	2398.9	2104.8	1953.3	1892.2	1898.4
2417.5	42.5°	2867.5	3616.0	4180.3	3576.2	2700.1	2109.2	1878.0	1810.7	1839.9	1864.7
2483.9	45°	3051.8	3902.2	4255.6	3440.6	2386.5	1863.8	1744.2	1760.2	1782.3	1785.0
2591.1	47.5°	3287.4	4191.8	4305.2	3236.0	2066.7	1691.1	1659.2	1662.7	1658.3	1639.7
2751.5	50°	3581.5	4473.6	4349.5	2964.9	1794.7	1583.0	1540.5	1528.1	1467.0	1406.7
2964.9	52.5°	3916.3	4732.2	4368.1	2628.3	1583.0	1492.7	1423.6	1345.6	1231.3	1212.7
3233.4	55°	4288.4	4971.4	4320.3	2214.6	1405.0	1376.6	1272.1	1178.2	1165.8	1149.8
3586.8	57.5°	4733.1	5229.2	4222.9	1753.1	1222.5	1241.1	1139.2	1149.8	1127.7	1102.9
4041.3	60°	5219.4	5495.8	4051.9	1332.3	1033.8	1071.9	1104.7	1103.8	1097.6	1077.2
4520.5	62.5°	5657.0	5671.2	3715.3	1020.5	868.1	940.8	1030.2	1029.4	1024.0	1012.5
5021.0	65°	5917.5	5644.6	3153.6	803.5	731.7	832.7	929.3	936.3	937.2	936.3
5397.5	67.5°	5871.4	5333.7	2382.9	639.6	619.2	722.9	829.2	838.9	846.0	847.8
5445.3	70°	5350.5	4650.7	1553.8	510.3	519.1	626.3	734.4	744.1	750.3	757.4
4725.1	72.5°	4170.6	3419.4	889.4	412.8	431.4	543.0	640.5	652.0	655.5	668.8
3288.3	75°	2541.5	2010.9	480.1	325.1	354.3	464.2	547.5	560.7	566.9	582.9
1614.9	77.5°	1208.3	870.8	273.7	253.4	285.2	379.1	462.4	477.5	460.6	469.5
445.6	80°	408.4	323.3	172.7	193.1	217.9	295.9	370.3	385.3	349.9	348.1
147.9	82.5°	142.6	131.1	109.8	128.4	140.9	211.7	279.9	299.4	260.4	259.6
66.4	85°	55.8	53.2	61.1	70.0	84.2	130.2	184.3	194.0	160.3	129.3
19.5	87.5°	11.5	12.4	15.1	15.9	25.7	45.2	66.4	81.5	64.7	54.9
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°
1909.9
1981.6
2086.2
2206.7
2344.0
2500.8
2693.9
2903.8
3018.1
2958.7
2799.3
2637.2
2495.4
2359.9
2213.7
2057.8
1919.6
1887.7
1802.7
1653.9
1414.7
1218.9
1152.5
1098.5
1070.1
1008.1
936.3
849.5
760.9
674.1
584.7
462.4
344.6
247.2
127.6
50.5
0.0

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