

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: P847743

Luminaire Tested: **GLAN-SB4A-727-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847743
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-SB4A-727-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15848 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

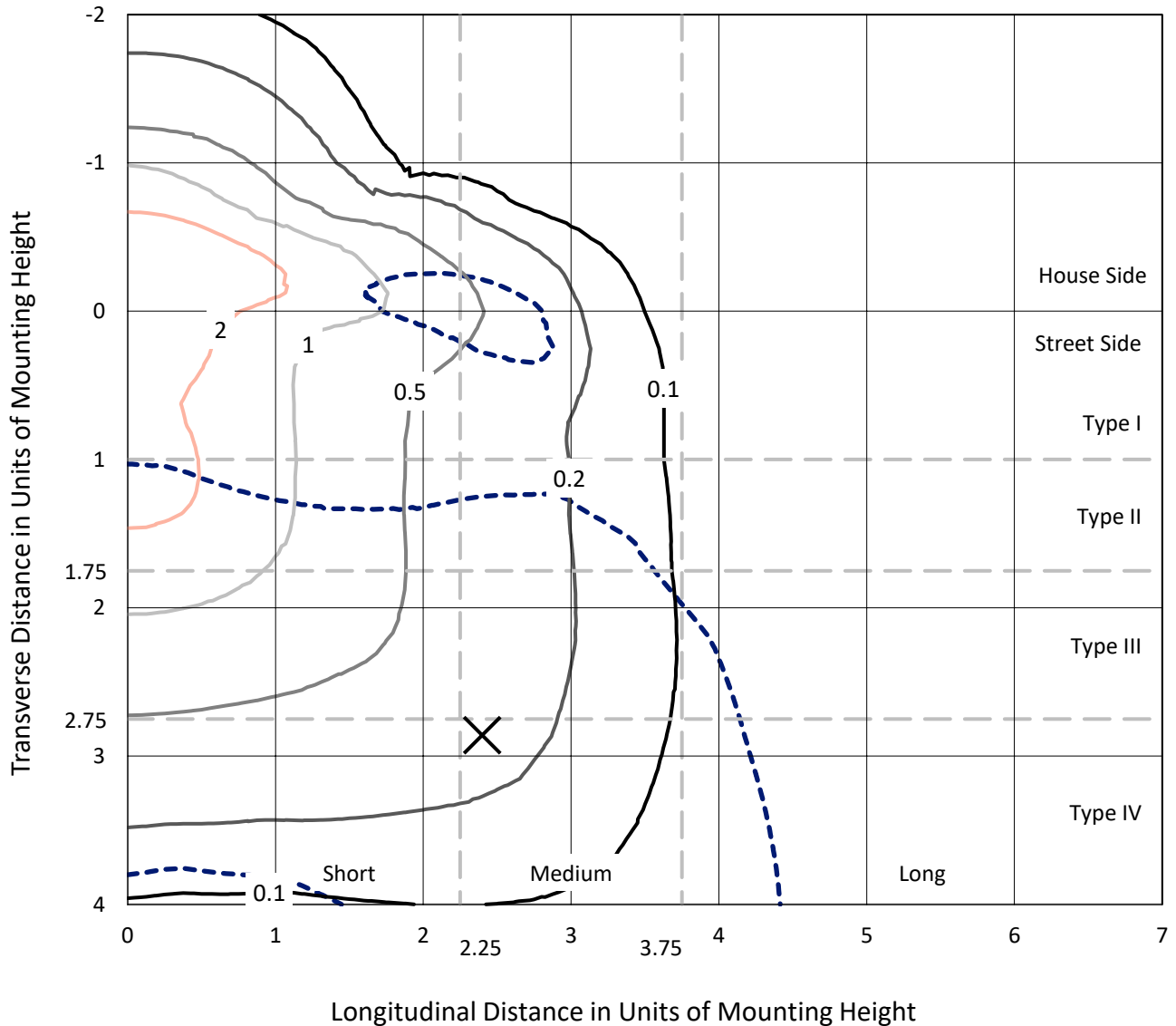
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

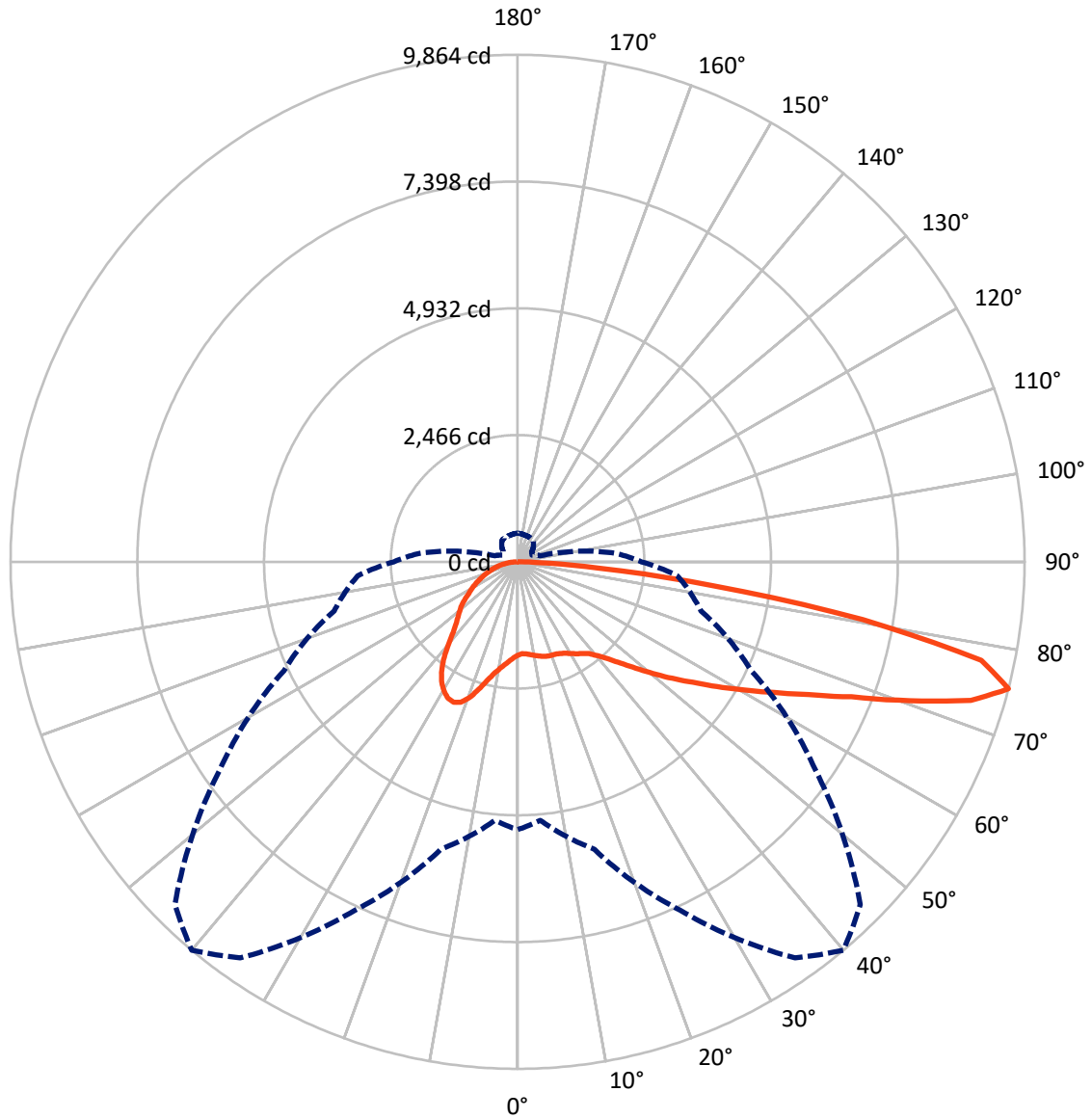
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	4910.2	0.0	4910.2
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	10937.8	0.0	10937.8
	% Fixture	69.0	0.0	69.0
Total	Lumens	15848.0	0.0	15848.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	1.1
10°-20°	607.4	3.8
20°-30°	1109.0	7.0
30°-40°	1572.8	9.9
40°-50°	2123.8	13.4
50°-60°	2857.1	18.0
60°-70°	3626.3	22.9
70°-80°	3291.1	20.8
80°-90°	479.7	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°	15848.0	100.0
0°-180°	15848.0	100.0

Coefficient of Utilization

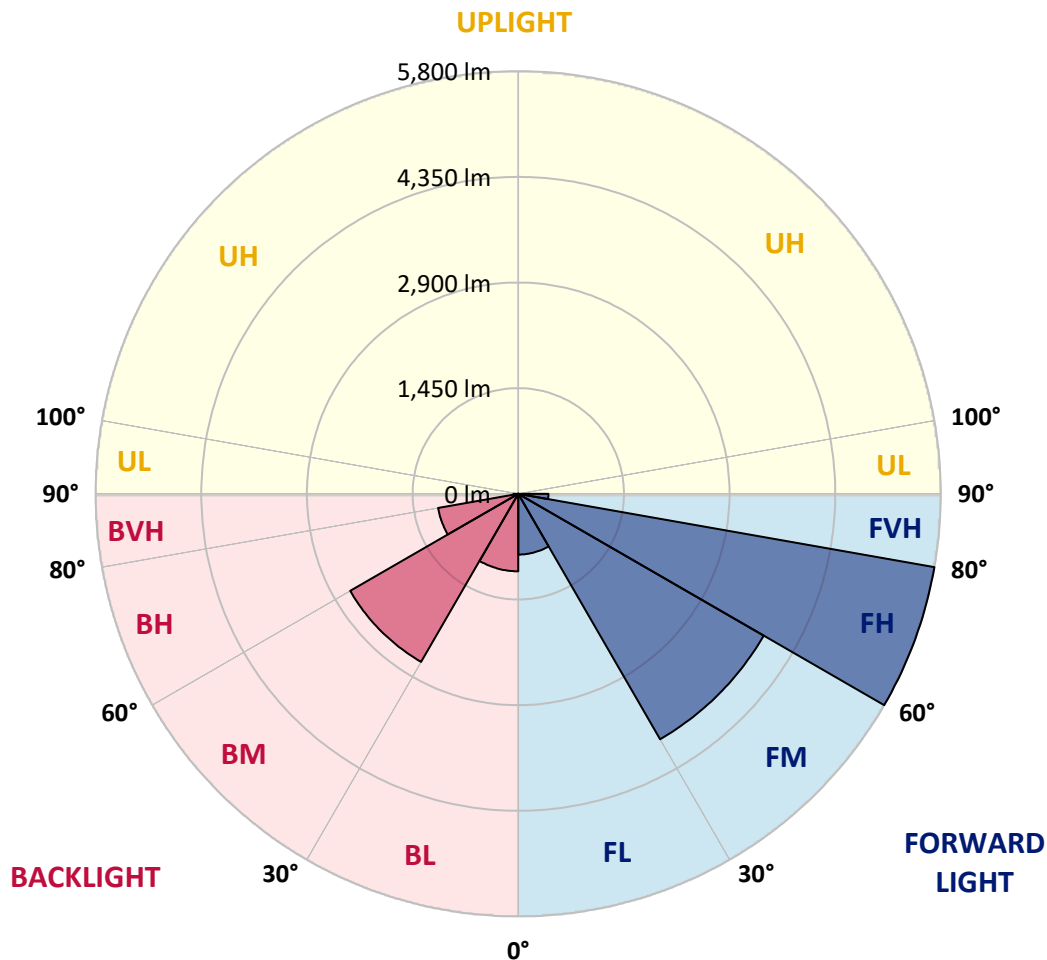


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	833.6	5.3			
FM (30°-60°)	3890.3	24.5			
FH (60°-80°)	5800.1	36.6			G3/7500
FVH (80°-90°)	413.7	2.6			G3/500
BL (0°-30°)	1063.6	6.7	B3/2500		
BM (30°-60°)	2663.4	16.8	B3/5000		
BH (60°-80°)	1117.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	66.0	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°	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2
2.5°	1784.5	1794.6	1792.1	1788.7	1788.7	1789.5	1788.7	1794.6	1800.5	1806.4
5°	1803.0	1813.1	1808.0	1803.8	1800.5	1799.6	1797.1	1796.3	1799.6	1807.2
7.5°	1839.1	1849.2	1841.7	1834.1	1827.4	1824.0	1820.6	1815.6	1813.1	1817.3
10°	1879.5	1889.6	1880.3	1866.9	1855.9	1851.7	1848.4	1843.3	1840.0	1842.5
12.5°	1919.8	1929.9	1917.3	1898.8	1884.5	1882.0	1877.8	1876.1	1875.3	1874.4
15°	1957.7	1966.1	1950.1	1928.2	1913.1	1908.9	1904.7	1907.2	1911.4	1916.5
17.5°	1987.1	1995.5	1971.9	1943.4	1929.1	1927.4	1924.9	1933.3	1945.0	1957.7
20°	2014.0	2022.4	1992.1	1953.5	1936.6	1936.6	1937.5	1955.1	1971.9	1990.4
22.5°	2051.8	2058.5	2021.5	1968.6	1944.2	1945.9	1952.6	1970.3	1991.3	2016.5
25°	2108.1	2113.2	2067.8	1997.2	1969.4	1974.5	1980.4	1988.8	2008.9	2038.3
27.5°	2198.9	2203.1	2143.4	2047.6	2005.6	2014.0	2022.4	2016.5	2025.7	2051.0
30°	2326.7	2329.2	2253.5	2126.6	2066.9	2071.1	2072.8	2048.4	2030.8	2051.0
32.5°	2478.0	2477.1	2387.2	2222.4	2136.7	2132.5	2118.2	2070.3	2029.1	2046.8
35°	2712.5	2703.2	2587.2	2356.9	2215.7	2189.6	2156.0	2094.7	2037.5	2042.6
37.5°	3100.8	3072.2	2911.7	2577.1	2333.4	2267.0	2217.4	2134.2	2056.0	2040.9
40°	3538.7	3502.6	3326.1	2878.9	2509.9	2403.2	2323.3	2190.5	2086.3	2048.4
42.5°	4058.2	4006.9	3817.0	3234.5	2733.5	2578.8	2458.6	2261.9	2130.8	2072.8
45°	4696.2	4628.1	4359.1	3635.4	3015.1	2809.1	2648.6	2370.4	2198.9	2119.9
47.5°	5340.9	5357.7	4975.3	4094.4	3353.0	3093.2	2886.5	2533.4	2298.1	2195.5
50°	6025.9	6037.7	5588.0	4602.9	3736.3	3414.3	3153.8	2715.8	2435.9	2303.1
52.5°	6560.5	6562.2	6144.5	5135.0	4135.5	3767.4	3442.1	2924.3	2595.6	2446.0
55°	6895.1	6890.9	6534.5	5638.5	4594.5	4138.1	3761.5	3161.3	2790.6	2614.1
57.5°	7138.0	7125.4	6803.5	6071.3	5083.7	4576.0	4122.9	3430.3	3021.0	2814.2
60°	7230.5	7222.9	6985.9	6445.4	5598.1	5060.2	4539.8	3731.2	3282.4	3050.4
62.5°	7265.8	7280.1	7164.9	6807.7	6148.7	5596.4	4997.9	4091.0	3576.6	3317.7
65°	7390.2	7416.2	7392.7	7281.7	6770.7	6224.3	5605.7	4518.8	3897.7	3604.3
67.5°	7636.5	7662.5	7672.6	7849.1	7530.5	7006.9	6363.9	5051.7	4273.4	3901.9
70°	7630.6	7623.0	7801.2	8300.5	8482.1	8090.4	7386.0	5707.4	4721.4	4149.0
72.5°	6945.5	6885.0	7306.1	8295.5	9273.9	9221.7	8634.2	6553.0	5108.1	4179.2
75°	5210.6	5049.2	5793.1	7475.9	9405.8	9863.9	9427.7	7077.5	5016.4	3692.6
77.5°	2228.3	2066.1	2942.8	5534.2	8418.2	9220.9	8699.8	6174.7	4004.4	2441.8
80°	583.3	582.5	889.3	2509.1	5725.0	6809.3	5973.8	3987.6	2288.0	872.5
82.5°	241.2	235.4	327.0	975.9	2797.4	3821.2	3118.5	1778.6	826.3	236.2
85°	89.9	89.1	158.9	337.1	986.8	1576.0	1140.6	454.7	205.9	115.2
87.5°	25.2	24.4	34.5	116.8	240.4	364.8	195.0	74.8	58.0	45.4
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°
1812.2	0°	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2	1812.2
1815.6	2.5°	1818.1	1822.3	1829.9	1835.8	1843.3	1851.7	1863.5	1871.1	1878.6	1883.7
1819.8	5°	1825.7	1834.9	1854.3	1873.6	1896.3	1917.3	1941.7	1959.3	1973.6	1977.8
1834.9	7.5°	1842.5	1857.6	1890.4	1923.2	1959.3	1993.8	2029.1	2059.4	2083.7	2093.0
1861.8	10°	1871.9	1892.1	1938.3	1984.6	2032.5	2085.4	2130.8	2174.5	2209.0	2223.3
1893.8	12.5°	1908.9	1934.1	1994.6	2058.5	2124.9	2198.1	2256.9	2310.7	2353.6	2372.9
1938.3	15°	1956.8	1989.6	2066.9	2152.7	2250.2	2351.9	2426.7	2486.4	2534.3	2557.8
1984.6	17.5°	2008.9	2052.6	2150.1	2279.6	2419.1	2552.8	2640.2	2683.9	2733.5	2756.2
2027.4	20°	2059.4	2113.2	2252.7	2441.0	2626.7	2768.8	2839.4	2851.2	2854.5	2857.1
2067.8	22.5°	2111.5	2183.8	2381.3	2644.4	2843.6	2941.9	2952.0	2901.6	2831.0	2798.2
2107.3	25°	2168.6	2264.5	2549.4	2868.8	3030.2	3042.0	2964.6	2841.9	2708.3	2646.9
2139.2	27.5°	2224.1	2357.8	2751.1	3083.2	3164.7	3061.3	2894.9	2720.9	2559.5	2494.8
2161.9	30°	2279.6	2464.5	2973.9	3270.6	3226.1	3013.4	2784.8	2590.6	2428.4	2360.3
2182.1	32.5°	2335.9	2588.9	3230.3	3405.9	3215.1	2911.7	2647.8	2444.3	2301.4	2230.0
2199.7	35°	2399.8	2741.9	3473.2	3479.9	3142.0	2762.1	2467.0	2269.5	2145.1	2087.9
2220.8	37.5°	2483.0	2936.1	3687.5	3498.4	3014.2	2542.7	2242.6	2062.7	1960.2	1934.1
2251.9	40°	2586.4	3169.7	3851.4	3469.0	2825.1	2276.2	1997.2	1853.4	1795.4	1801.3
2293.9	42.5°	2720.9	3431.2	3966.6	3393.3	2562.0	2001.4	1782.0	1718.1	1745.8	1769.4
2356.9	45°	2895.7	3702.7	4038.0	3264.7	2264.5	1768.5	1655.1	1670.2	1691.2	1693.7
2458.6	47.5°	3119.3	3977.5	4085.1	3070.6	1961.0	1604.6	1574.4	1577.7	1573.5	1555.9
2610.8	50°	3398.4	4244.8	4127.1	2813.3	1703.0	1502.1	1461.7	1450.0	1392.0	1334.8
2813.3	52.5°	3716.1	4490.3	4144.8	2493.9	1502.1	1416.3	1350.8	1276.8	1168.4	1150.7
3068.0	55°	4069.1	4717.2	4099.4	2101.4	1333.1	1306.2	1207.0	1117.9	1106.2	1091.0
3403.4	57.5°	4491.1	4961.8	4006.9	1663.5	1160.0	1177.6	1081.0	1091.0	1070.0	1046.5
3834.6	60°	4952.6	5214.8	3844.7	1264.2	980.9	1017.1	1048.2	1047.3	1041.4	1022.1
4289.4	62.5°	5367.8	5381.2	3525.3	968.3	823.7	892.7	977.6	976.7	971.7	960.8
4764.3	65°	5614.9	5356.0	2992.4	762.4	694.3	790.1	881.7	888.5	889.3	888.5
5121.5	67.5°	5571.2	5061.0	2261.1	606.9	587.5	685.9	786.8	796.0	802.7	804.4
5166.9	70°	5077.0	4412.9	1474.3	484.2	492.6	594.3	696.8	706.1	712.0	718.7
4483.5	72.5°	3957.3	3244.5	843.9	391.7	409.4	515.3	607.7	618.6	622.0	634.6
3120.1	75°	2411.6	1908.1	455.6	308.5	336.2	440.5	519.5	532.1	538.0	553.1
1532.3	77.5°	1146.5	826.3	259.7	240.4	270.7	359.8	438.8	453.1	437.1	445.5
422.8	80°	387.5	306.8	163.9	183.2	206.8	280.7	351.4	365.6	332.0	330.3
140.4	82.5°	135.3	124.4	104.2	121.9	133.6	200.9	265.6	284.1	247.1	246.3
63.0	85°	53.0	50.4	58.0	66.4	79.9	123.6	174.8	184.1	152.1	122.7
18.5	87.5°	10.9	11.8	14.3	15.1	24.4	42.9	63.0	77.3	61.4	52.1
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°
1812.2
1880.3
1979.5
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2224.1
2372.9
2556.1
2755.3
2863.8
2807.5
2656.2
2502.3
2367.8
2239.2
2100.6
1952.6
1821.5
1791.2
1710.5
1569.3
1342.4
1156.6
1093.6
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