

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: McGRAW-EDISON

Report Number: P942232

Luminaire Tested: **GALN-SB6A-927-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 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: 16413 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

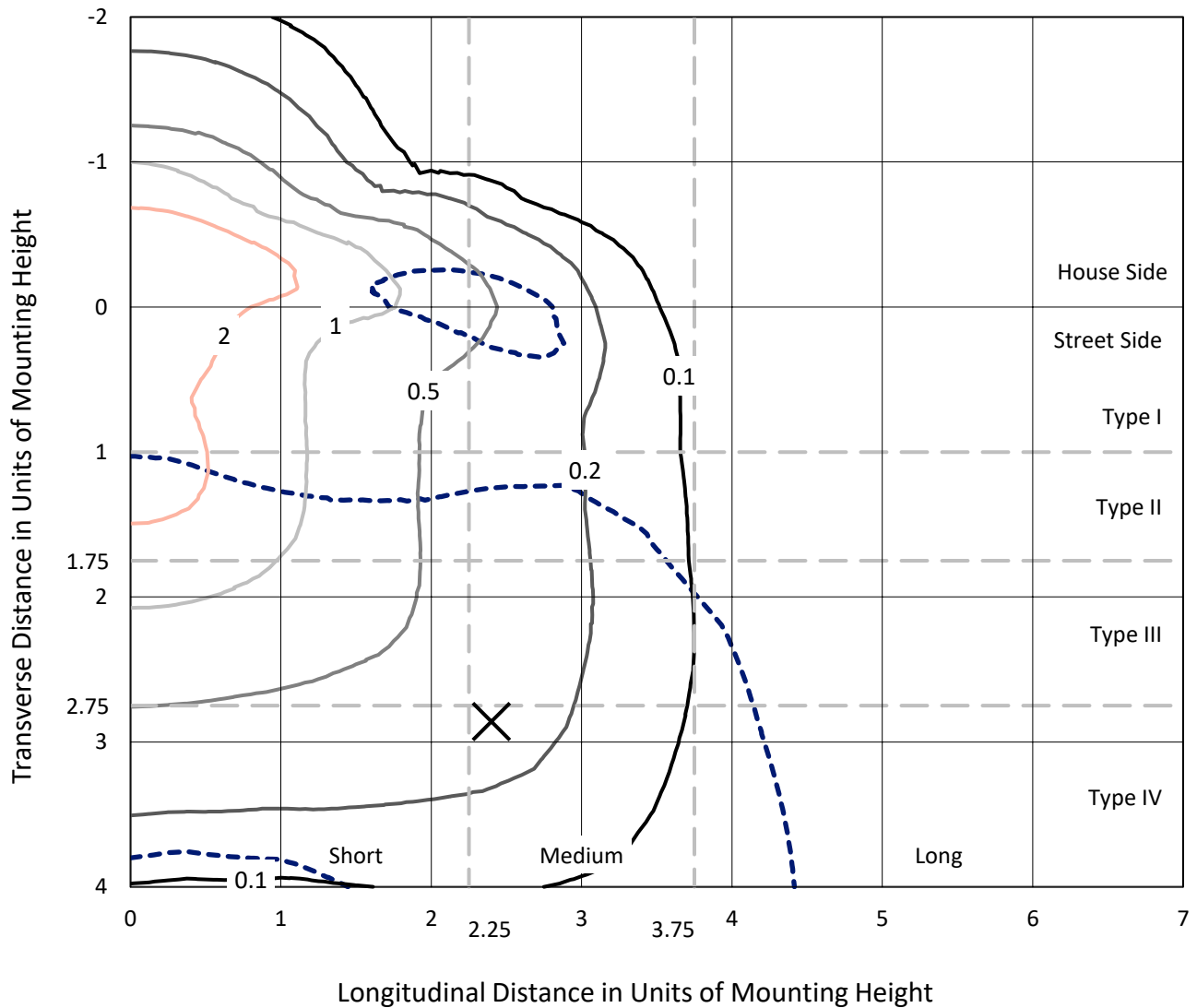
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

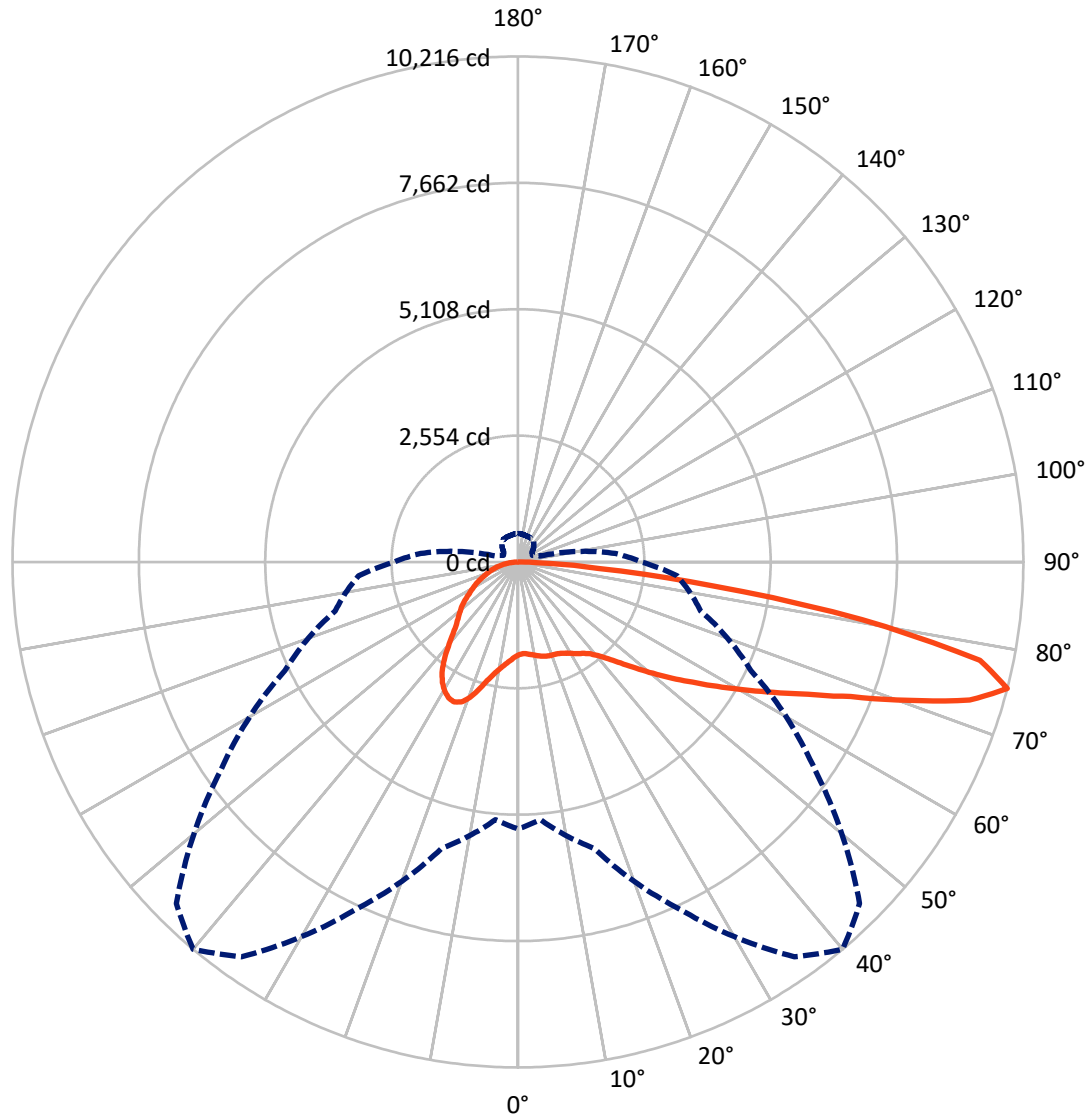
✕ Max cd
 - - - 1/2 Max cd



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	5085.3	0.0	5085.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	11327.7	0.0	11327.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	16413.0	0.0	16413.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.3	1.1
10°-20°	629.0	3.8
20°-30°	1148.5	7.0
30°-40°	1628.9	9.9
40°-50°	2199.5	13.4
50°-60°	2958.9	18.0
60°-70°	3755.6	22.9
70°-80°	3408.4	20.8
80°-90°	496.8	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°	16413.0	100.0
0°-180°	16413.0	100.0



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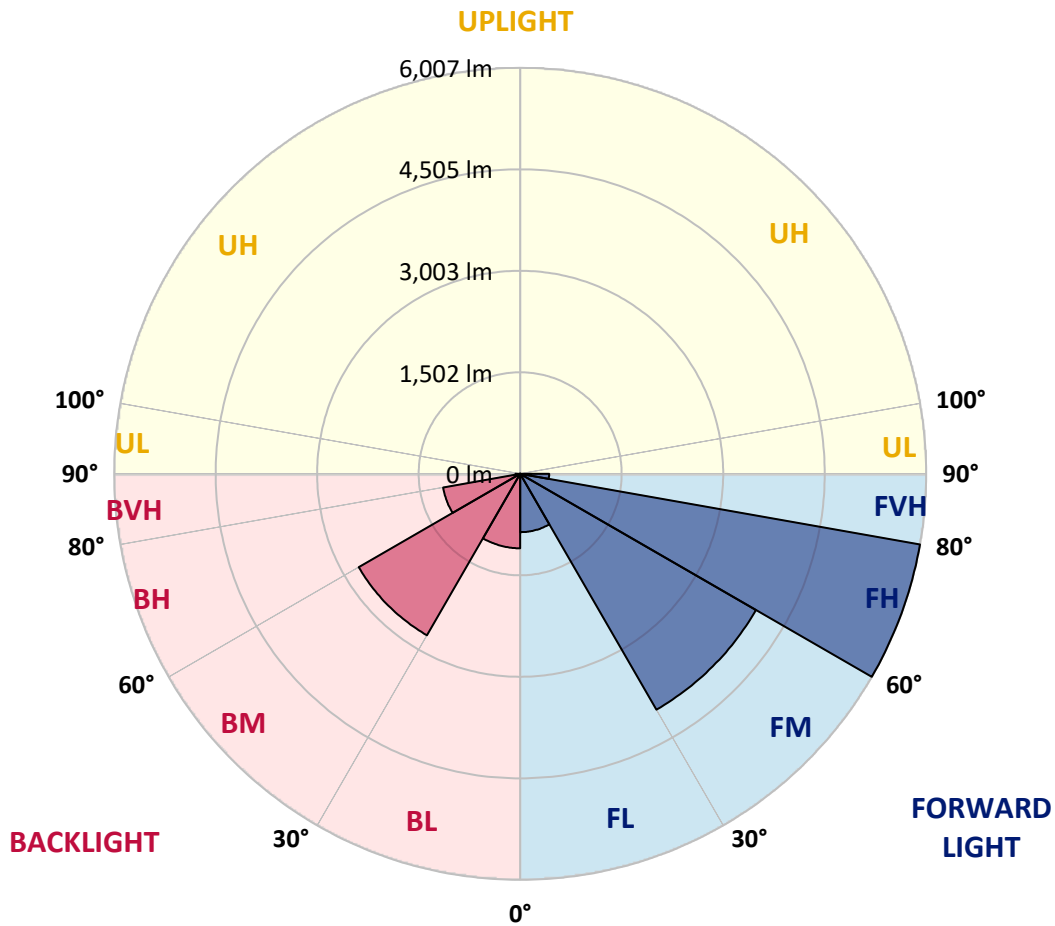
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	863.3	5.3			
FM (30°-60°)	4029.0	24.5			
FH (60°-80°)	6006.9	36.6			G3/7500
FVH (80°-90°)	428.4	2.6			G3/500
BL (0°-30°)	1101.5	6.7	B3/2500		
BM (30°-60°)	2758.3	16.8	B3/5000		
BH (60°-80°)	1157.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	68.4	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°	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8
2.5°	1848.1	1858.6	1856.0	1852.5	1852.5	1853.3	1852.5	1858.6	1864.7	1870.8
5°	1867.3	1877.7	1872.5	1868.1	1864.7	1863.8	1861.2	1860.3	1863.8	1871.6
7.5°	1904.7	1915.2	1907.3	1899.5	1892.5	1889.0	1885.6	1880.3	1877.7	1882.1
10°	1946.5	1956.9	1947.4	1933.4	1922.1	1917.8	1914.3	1909.1	1905.6	1908.2
12.5°	1988.3	1998.7	1985.7	1966.5	1951.7	1949.1	1944.7	1943.0	1942.1	1941.3
15°	2027.4	2036.2	2019.6	1997.0	1981.3	1977.0	1972.6	1975.2	1979.6	1984.8
17.5°	2057.9	2066.6	2042.2	2012.7	1997.9	1996.1	1993.5	2002.2	2014.4	2027.4
20°	2085.8	2094.5	2063.1	2023.1	2005.7	2005.7	2006.6	2024.8	2042.2	2061.4
22.5°	2124.9	2131.9	2093.6	2038.8	2013.5	2015.3	2022.2	2040.5	2062.3	2088.4
25°	2183.3	2188.5	2141.5	2068.4	2039.6	2044.9	2051.0	2059.7	2080.6	2111.0
27.5°	2277.3	2281.6	2219.8	2120.6	2077.1	2085.8	2094.5	2088.4	2098.0	2124.1
30°	2409.6	2412.2	2333.9	2202.4	2140.6	2145.0	2146.7	2121.5	2103.2	2124.1
32.5°	2566.3	2565.4	2472.3	2301.7	2212.9	2208.5	2193.7	2144.1	2101.4	2119.7
35°	2809.2	2799.6	2679.5	2440.9	2294.7	2267.7	2232.9	2169.3	2110.1	2115.4
37.5°	3211.4	3181.8	3015.5	2669.0	2416.6	2347.8	2296.4	2210.3	2129.3	2113.6
40°	3664.9	3627.5	3444.7	2981.5	2599.4	2488.8	2406.1	2268.6	2160.6	2121.5
42.5°	4202.9	4149.8	3953.0	3349.8	2830.9	2670.8	2546.3	2342.6	2206.8	2146.7
45°	4863.6	4793.1	4514.5	3765.0	3122.6	2909.3	2743.0	2454.9	2277.3	2195.5
47.5°	5531.3	5548.7	5152.6	4240.3	3472.5	3203.5	2989.4	2623.8	2380.0	2273.8
50°	6240.8	6253.0	5787.2	4767.0	3869.5	3536.1	3266.2	2812.7	2522.8	2385.2
52.5°	6794.4	6796.2	6363.5	5318.0	4283.0	3901.7	3564.8	3028.6	2688.2	2533.2
55°	7140.9	7136.6	6767.4	5839.5	4758.3	4285.6	3895.6	3274.0	2890.1	2707.3
57.5°	7392.5	7379.4	7046.0	6287.8	5264.9	4739.1	4269.9	3552.6	3128.7	2914.5
60°	7488.2	7480.4	7234.9	6675.2	5797.7	5240.6	4701.7	3864.3	3399.4	3159.1
62.5°	7524.8	7539.6	7420.3	7050.4	6367.9	5795.9	5176.1	4236.8	3704.1	3436.0
65°	7653.6	7680.6	7656.3	7541.3	7012.1	6446.2	5805.5	4679.9	4036.6	3732.8
67.5°	7908.7	7935.7	7946.1	8128.9	7799.0	7256.7	6590.7	5231.8	4425.7	4041.0
70°	7902.6	7894.8	8079.3	8596.4	8784.5	8378.8	7649.3	5910.9	4889.7	4296.9
72.5°	7193.1	7130.5	7566.6	8591.2	9604.5	9550.5	8942.0	6786.6	5290.2	4328.2
75°	5396.4	5229.2	5999.6	7742.4	9741.2	10215.6	9763.8	7329.8	5195.3	3824.2
77.5°	2307.8	2139.7	3047.7	5731.5	8718.3	9549.6	9009.9	6394.9	4147.2	2528.9
80°	604.1	603.3	921.0	2598.5	5929.1	7052.1	6186.8	4129.8	2369.6	903.6
82.5°	249.8	243.7	338.6	1010.7	2897.1	3957.4	3229.6	1842.0	855.7	244.6
85°	93.1	92.3	164.5	349.1	1022.0	1632.2	1181.3	471.0	213.3	119.3
87.5°	26.1	25.2	35.7	121.0	249.0	377.8	202.0	77.5	60.1	47.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1876.8	0°	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8	1876.8
1880.3	2.5°	1882.9	1887.3	1895.1	1901.2	1909.1	1917.8	1930.0	1937.8	1945.6	1950.8
1884.7	5°	1890.8	1900.4	1920.4	1940.4	1963.9	1985.7	2010.9	2029.2	2044.0	2048.3
1900.4	7.5°	1908.2	1923.9	1957.8	1991.8	2029.2	2064.9	2101.4	2132.8	2158.0	2167.6
1928.2	10°	1938.7	1959.5	2007.4	2055.3	2104.9	2159.8	2206.8	2252.0	2287.7	2302.5
1961.3	12.5°	1977.0	2003.1	2065.8	2131.9	2200.7	2276.4	2337.4	2393.1	2437.5	2457.5
2007.4	15°	2026.6	2060.5	2140.6	2229.4	2330.4	2435.7	2513.2	2575.0	2624.6	2649.0
2055.3	17.5°	2080.6	2125.8	2226.8	2360.9	2505.4	2643.8	2734.3	2779.6	2830.9	2854.4
2099.7	20°	2132.8	2188.5	2333.0	2528.0	2720.4	2867.5	2940.6	2952.8	2956.3	2958.9
2141.5	22.5°	2186.8	2261.6	2466.2	2738.7	2945.0	3046.8	3057.3	3005.0	2931.9	2898.0
2182.4	25°	2246.0	2345.2	2640.3	2971.1	3138.2	3150.4	3070.3	2943.2	2804.8	2741.3
2215.5	27.5°	2303.4	2441.8	2849.2	3193.1	3277.5	3170.4	2998.1	2817.9	2650.7	2583.7
2239.0	30°	2360.9	2552.4	3079.9	3387.2	3341.1	3120.8	2884.0	2683.0	2514.9	2444.4
2259.9	32.5°	2419.2	2681.2	3345.4	3527.4	3329.8	3015.5	2742.1	2531.5	2383.5	2309.5
2278.2	35°	2485.3	2839.6	3597.0	3604.0	3254.0	2860.5	2555.0	2350.4	2221.6	2162.4
2299.9	37.5°	2571.5	3040.7	3819.0	3623.1	3121.7	2633.3	2322.6	2136.3	2030.1	2003.1
2332.1	40°	2678.6	3282.7	3988.7	3592.7	2925.8	2357.4	2068.4	1919.5	1859.4	1865.5
2375.7	42.5°	2817.9	3553.5	4108.0	3514.3	2653.4	2072.7	1845.5	1779.3	1808.1	1832.5
2440.9	45°	2999.0	3834.7	4182.0	3381.1	2345.2	1831.6	1714.1	1729.7	1751.5	1754.1
2546.3	47.5°	3230.5	4119.3	4230.7	3180.0	2030.9	1661.8	1630.5	1634.0	1629.6	1611.3
2703.8	50°	3519.5	4396.1	4274.3	2913.6	1763.7	1555.6	1513.8	1501.7	1441.6	1382.4
2913.6	52.5°	3848.6	4650.3	4292.6	2582.8	1555.6	1466.8	1398.9	1322.3	1210.0	1191.7
3177.4	55°	4214.2	4885.4	4245.5	2176.3	1380.7	1352.8	1250.1	1157.8	1145.6	1129.9
3524.7	57.5°	4651.2	5138.7	4149.8	1722.8	1201.3	1219.6	1119.5	1129.9	1108.2	1083.8
3971.3	60°	5129.1	5400.7	3981.8	1309.3	1015.9	1053.3	1085.5	1084.7	1078.6	1058.6
4442.3	62.5°	5559.2	5573.1	3651.0	1002.8	853.1	924.5	1012.4	1011.5	1006.3	995.0
4934.1	65°	5815.1	5547.0	3099.1	789.6	719.1	818.3	913.2	920.1	921.0	920.1
5304.1	67.5°	5769.8	5241.4	2341.7	628.5	608.5	710.3	814.8	824.4	831.3	833.1
5351.1	70°	5258.0	4570.2	1526.9	501.4	510.1	615.5	721.7	731.2	737.3	744.3
4643.4	72.5°	4098.4	3360.2	874.0	405.7	423.9	533.6	629.4	640.7	644.2	657.2
3231.4	75°	2497.5	1976.1	471.8	319.5	348.2	456.2	538.0	551.0	557.1	572.8
1587.0	77.5°	1187.4	855.7	269.0	249.0	280.3	372.6	454.4	469.2	452.7	461.4
437.9	80°	401.3	317.7	169.8	189.8	214.1	290.8	363.9	378.7	343.9	342.1
145.4	82.5°	140.2	128.8	107.9	126.2	138.4	208.1	275.1	294.2	255.9	255.1
65.3	85°	54.8	52.2	60.1	68.8	82.7	128.0	181.1	190.6	157.6	127.1
19.2	87.5°	11.3	12.2	14.8	15.7	25.2	44.4	65.3	80.1	63.5	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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<u>180°</u>
1876.8
1947.4
2050.1
2168.5
2303.4
2457.5
2647.3
2853.6
2965.9
2907.5
2750.9
2591.5
2452.3
2319.1
2175.4
2022.2
1886.4
1855.1
1771.5
1625.3
1390.2
1197.8
1132.6
1079.4
1051.6
990.7
920.1
834.8
747.8
662.5
574.5
454.4
338.6
242.9
125.4
49.6
0.0

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