

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: P940302

Luminaire Tested: **GALN-SB3B-760-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940302
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-SB3B-760-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5700K, 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: 17718 lumens
Efficiency: N/A
Efficacy: 162.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

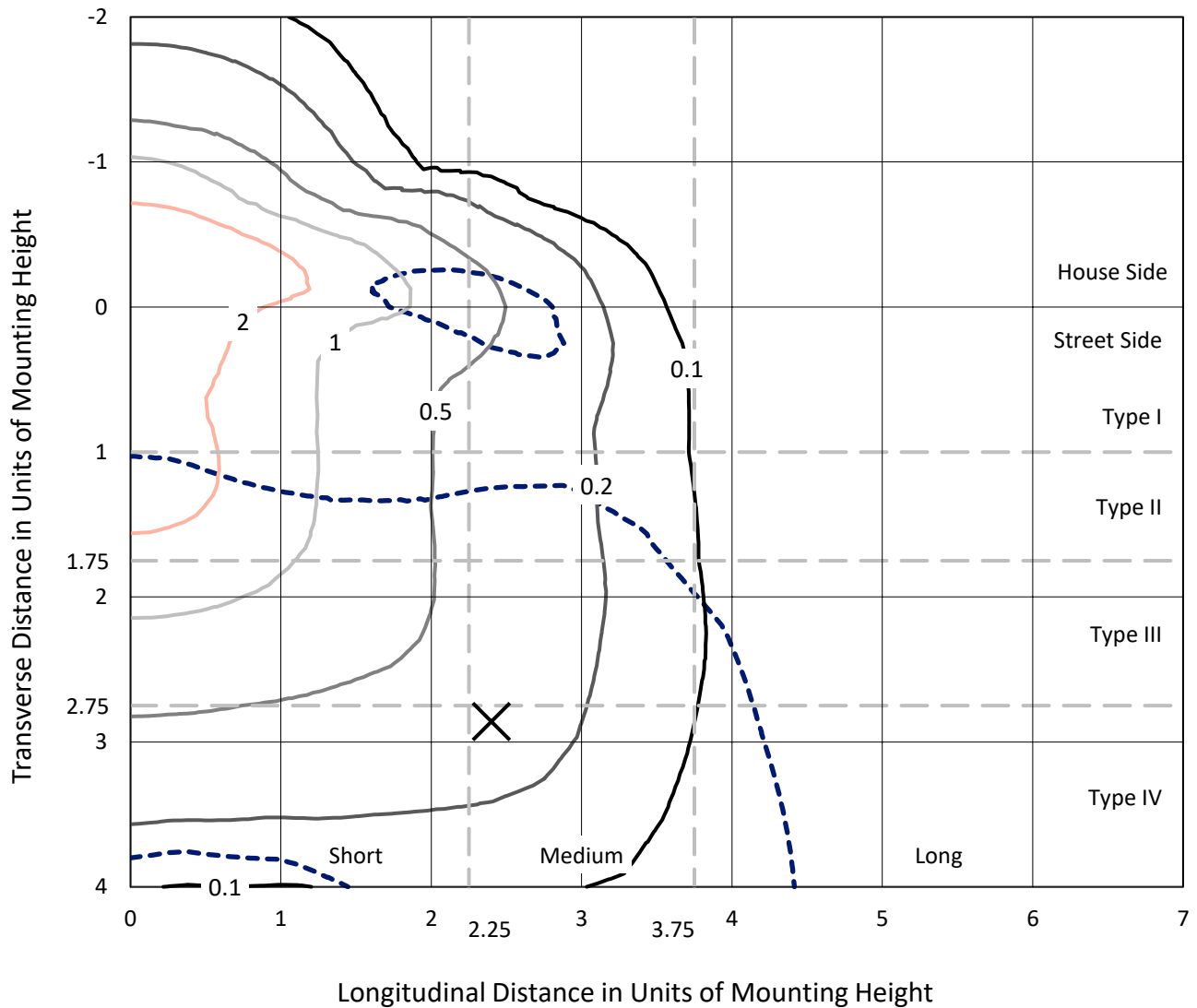
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P940302
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Iso-Footcandle Lines of Horizontal Illumination

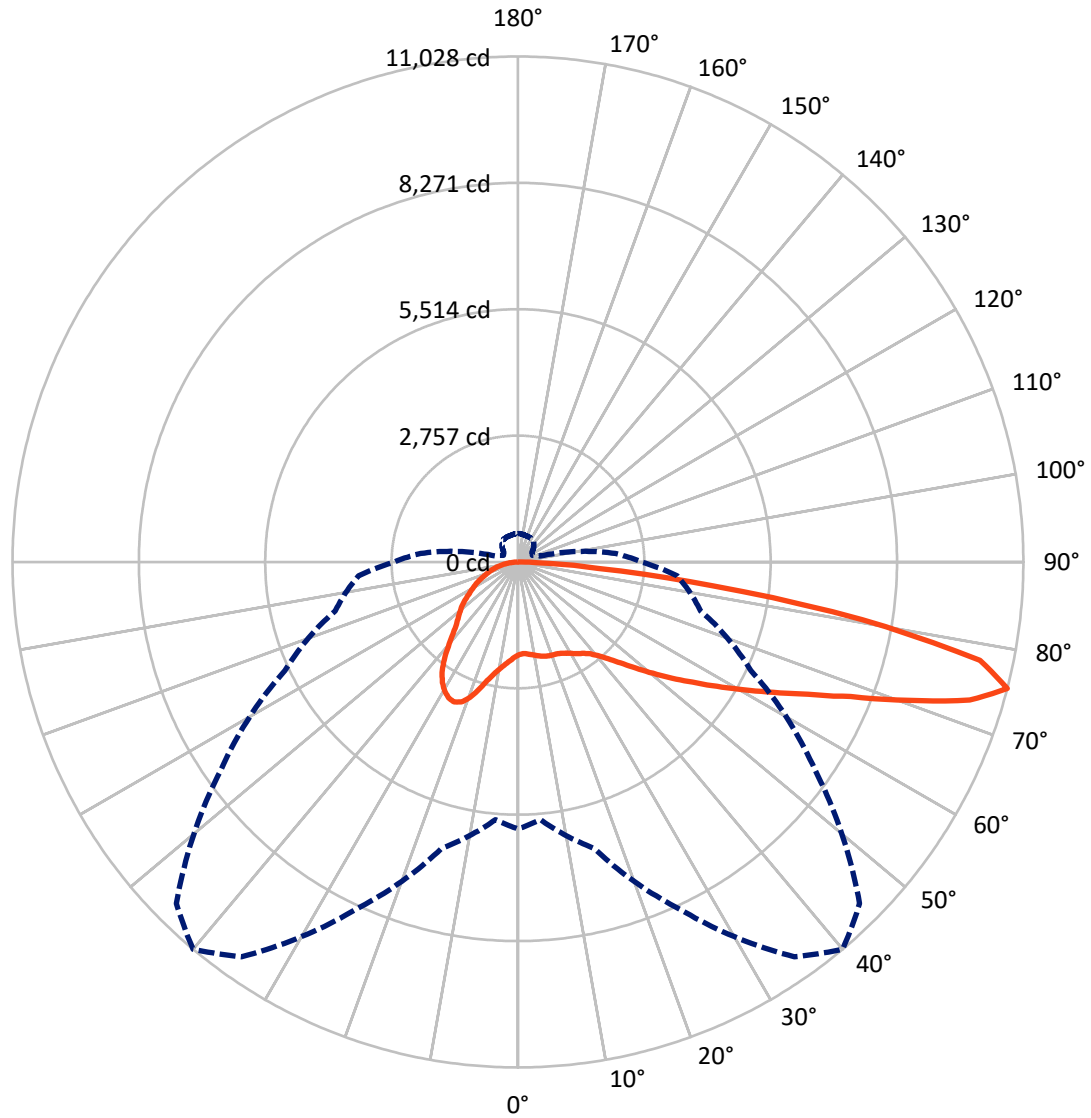
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P940302
CATALOG NUMBER: GALN-SB3B-760-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P940302

CATALOG NUMBER: GALN-SB3B-760-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5489.6	0.0	5489.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	12228.4	0.0	12228.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	17718.0	0.0	17718.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	1.1
10°-20°	679.0	3.8
20°-30°	1239.8	7.0
30°-40°	1758.4	9.9
40°-50°	2374.4	13.4
50°-60°	3194.2	18.0
60°-70°	4054.2	22.9
70°-80°	3679.4	20.8
80°-90°	536.3	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°	17718.0	100.0
0°-180°	17718.0	100.0

Coefficient of Utilization



REPORT NUMBER: P940302

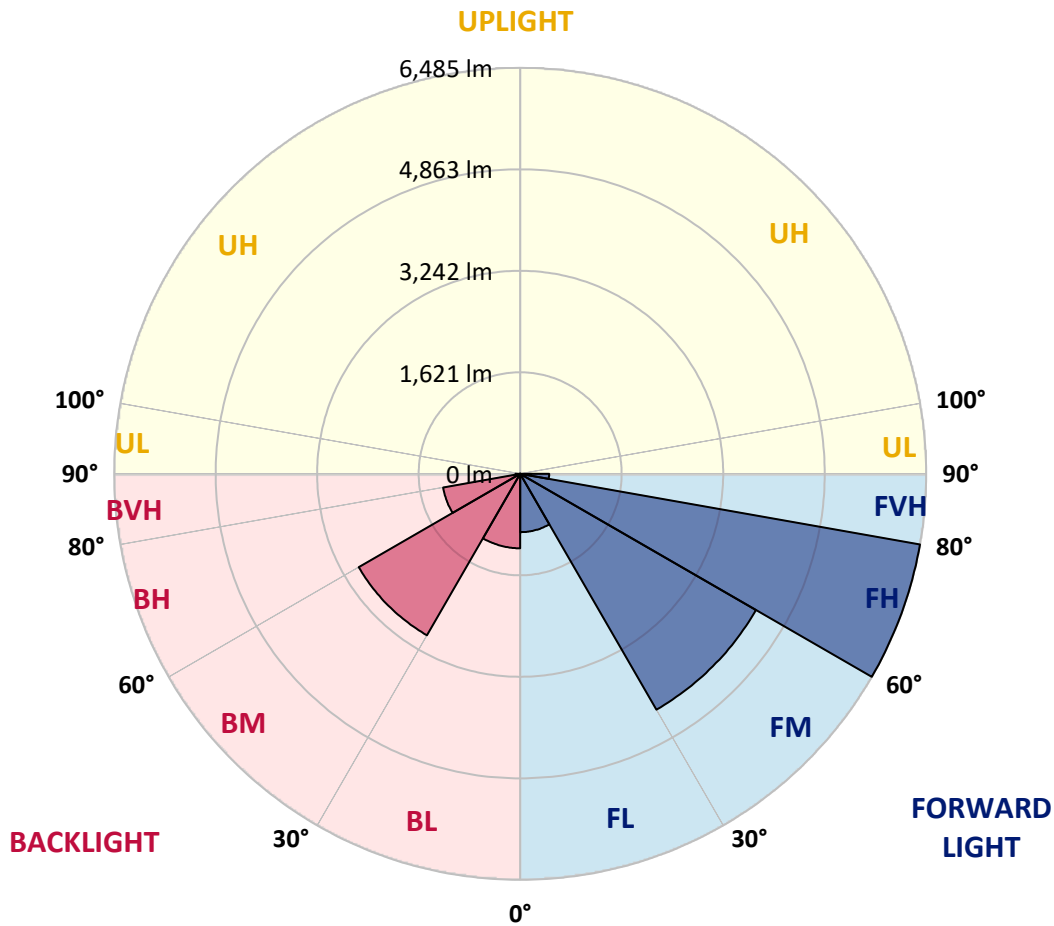
CATALOG NUMBER: GALN-SB3B-760-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	932.0	5.3			
FM (30°-60°)	4349.4	24.5			
FH (60°-80°)	6484.5	36.6			G3/7500
FVH (80°-90°)	462.5	2.6			G3/500
BL (0°-30°)	1189.1	6.7	B3/2500		
BM (30°-60°)	2977.6	16.8	B3/5000		
BH (60°-80°)	1249.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	73.8	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



REPORT NUMBER: P940302

CATALOG NUMBER: GALN-SB3B-760-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1
2.5°	1995.1	2006.3	2003.5	1999.8	1999.8	2000.7	1999.8	2006.3	2012.9	2019.5
5°	2015.7	2027.0	2021.4	2016.7	2012.9	2012.0	2009.2	2008.2	2012.0	2020.4
7.5°	2056.1	2067.4	2059.0	2050.5	2043.0	2039.2	2035.5	2029.8	2027.0	2031.7
10°	2101.3	2112.5	2102.2	2087.2	2074.9	2070.2	2066.5	2060.8	2057.1	2059.9
12.5°	2146.4	2157.6	2143.5	2122.9	2106.9	2104.1	2099.4	2097.5	2096.6	2095.6
15°	2188.7	2198.0	2180.2	2155.8	2138.8	2134.1	2129.4	2132.3	2137.0	2142.6
17.5°	2221.5	2230.9	2204.6	2172.7	2156.7	2154.8	2152.0	2161.4	2174.6	2188.7
20°	2251.6	2261.0	2227.2	2184.0	2165.2	2165.2	2166.1	2185.8	2204.6	2225.3
22.5°	2293.9	2301.4	2260.1	2200.9	2173.6	2175.5	2183.0	2202.7	2226.2	2254.4
25°	2356.9	2362.5	2311.8	2232.8	2201.8	2207.4	2214.0	2223.4	2246.0	2278.9
27.5°	2458.4	2463.1	2396.3	2289.2	2242.2	2251.6	2261.0	2254.4	2264.8	2293.0
30°	2601.2	2604.0	2519.4	2377.5	2310.8	2315.5	2317.4	2290.1	2270.4	2293.0
32.5°	2770.4	2769.4	2668.9	2484.7	2388.8	2384.1	2368.1	2314.6	2268.5	2288.3
35°	3032.5	3022.2	2892.5	2635.0	2477.2	2448.0	2410.4	2341.8	2277.9	2283.6
37.5°	3466.7	3434.7	3255.3	2881.2	2608.7	2534.5	2479.0	2386.0	2298.6	2281.7
40°	3956.3	3915.9	3718.5	3218.6	2806.1	2686.7	2597.4	2449.0	2332.4	2290.1
42.5°	4537.1	4479.7	4267.4	3616.1	3056.0	2883.1	2748.7	2528.8	2382.2	2317.4
45°	5250.3	5174.2	4873.5	4064.4	3370.8	3140.6	2961.1	2650.1	2458.4	2370.0
47.5°	5971.1	5989.9	5562.3	4577.5	3748.6	3458.2	3227.1	2832.4	2569.2	2454.6
50°	6737.0	6750.1	6247.4	5146.0	4177.1	3817.2	3525.9	3036.3	2723.4	2574.9
52.5°	7334.7	7336.5	6869.5	5740.9	4623.5	4211.9	3848.2	3269.4	2901.9	2734.6
55°	7708.7	7704.0	7305.5	6303.8	5136.6	4626.3	4205.3	3534.4	3119.9	2922.6
57.5°	7980.3	7966.2	7606.2	6787.7	5683.5	5115.9	4609.4	3835.1	3377.4	3146.2
60°	8083.6	8075.2	7810.2	7205.9	6258.7	5657.2	5075.5	4171.5	3669.7	3410.3
62.5°	8123.1	8139.1	8010.3	7610.9	6874.2	6256.8	5587.7	4573.7	3998.6	3709.1
65°	8262.2	8291.3	8265.0	8141.0	7569.6	6958.8	6267.1	5052.0	4357.6	4029.6
67.5°	8537.5	8566.7	8577.9	8775.3	8419.1	7833.7	7114.8	5647.8	4777.6	4362.3
70°	8530.9	8522.5	8721.7	9279.9	9482.9	9045.0	8257.5	6380.8	5278.5	4638.6
72.5°	7765.1	7697.4	8168.2	9274.3	10368.1	10309.9	9653.0	7326.2	5710.8	4672.4
75°	5825.4	5645.0	6476.7	8358.0	10515.7	11027.8	10540.1	7912.6	5608.4	4128.3
77.5°	2491.2	2309.9	3290.0	6187.2	9411.5	10308.9	9726.3	6903.3	4476.9	2729.9
80°	652.2	651.2	994.2	2805.1	6400.6	7612.8	6678.7	4458.1	2558.0	975.4
82.5°	269.7	263.1	365.6	1091.0	3127.5	4272.1	3486.4	1988.5	923.8	264.1
85°	100.6	99.6	177.6	376.8	1103.3	1762.0	1275.2	508.4	230.2	128.7
87.5°	28.2	27.3	38.5	130.6	268.8	407.8	218.0	83.6	64.8	50.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P940302
 CATALOG NUMBER: GALN-SB3B-760-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2026.1	0°	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1	2026.1
2029.8	2.5°	2032.7	2037.4	2045.8	2052.4	2060.8	2070.2	2083.4	2091.9	2100.3	2106.0
2034.5	5°	2041.1	2051.4	2073.1	2094.7	2120.1	2143.5	2170.8	2190.5	2206.5	2211.2
2051.4	7.5°	2059.9	2076.8	2113.5	2150.1	2190.5	2229.1	2268.5	2302.4	2329.6	2339.9
2081.5	10°	2092.8	2115.4	2167.0	2218.7	2272.3	2331.5	2382.2	2431.1	2469.6	2485.6
2117.2	12.5°	2134.1	2162.3	2230.0	2301.4	2375.7	2457.4	2523.2	2583.3	2631.3	2652.9
2167.0	15°	2187.7	2224.4	2310.8	2406.7	2515.7	2629.4	2713.0	2779.7	2833.3	2859.6
2218.7	17.5°	2246.0	2294.8	2403.9	2548.6	2704.6	2854.0	2951.7	3000.6	3056.0	3081.4
2266.7	20°	2302.4	2362.5	2518.5	2729.0	2936.7	3095.5	3174.4	3187.6	3191.4	3194.2
2311.8	22.5°	2360.6	2441.4	2662.3	2956.4	3179.1	3289.1	3300.4	3244.0	3165.0	3128.4
2355.9	25°	2424.5	2531.7	2850.2	3207.3	3387.8	3400.9	3314.5	3177.3	3027.8	2959.2
2391.6	27.5°	2486.5	2636.0	3075.8	3447.0	3538.1	3422.5	3236.5	3041.9	2861.5	2789.1
2417.0	30°	2548.6	2755.3	3324.8	3656.5	3606.7	3369.0	3113.4	2896.3	2714.9	2638.8
2439.6	32.5°	2611.5	2894.4	3611.4	3807.8	3594.5	3255.3	2960.2	2732.8	2573.0	2493.1
2459.3	35°	2683.0	3065.4	3883.0	3890.5	3512.7	3088.0	2758.1	2537.3	2398.2	2334.3
2482.8	37.5°	2776.0	3282.5	4122.6	3911.2	3369.9	2842.7	2507.2	2306.1	2191.5	2162.3
2517.6	40°	2891.6	3543.8	4305.9	3878.3	3158.5	2544.8	2232.8	2072.1	2007.3	2013.9
2564.5	42.5°	3041.9	3836.0	4434.6	3793.7	2864.3	2237.5	1992.2	1920.8	1951.8	1978.2
2635.0	45°	3237.4	4139.5	4514.5	3649.9	2531.7	1977.2	1850.3	1867.3	1890.8	1893.6
2748.7	47.5°	3487.4	4446.8	4567.1	3432.9	2192.4	1794.0	1760.1	1763.9	1759.2	1739.5
2918.8	50°	3799.4	4745.7	4614.1	3145.3	1903.9	1679.3	1634.2	1621.0	1556.2	1492.3
3145.3	52.5°	4154.6	5020.1	4633.9	2788.2	1679.3	1583.5	1510.2	1427.5	1306.2	1286.5
3430.0	55°	4549.3	5273.8	4583.1	2349.3	1490.4	1460.4	1349.5	1249.9	1236.7	1219.8
3805.0	57.5°	5021.0	5547.3	4479.7	1859.7	1296.8	1316.6	1208.5	1219.8	1196.3	1170.0
4287.1	60°	5536.9	5830.1	4298.4	1413.4	1096.7	1137.1	1171.9	1170.9	1164.3	1142.7
4795.5	62.5°	6001.2	6016.2	3941.3	1082.6	920.9	998.0	1092.9	1092.0	1086.3	1074.1
5326.4	65°	6277.5	5988.0	3345.5	852.3	776.2	883.4	985.8	993.3	994.2	993.3
5725.8	67.5°	6228.6	5658.2	2527.9	678.5	656.9	766.8	879.6	889.9	897.5	899.3
5776.6	70°	5676.0	4933.6	1648.3	541.3	550.7	664.4	779.0	789.4	796.0	803.5
5012.6	72.5°	4424.3	3627.4	943.5	437.9	457.7	576.1	679.4	691.6	695.4	709.5
3488.3	75°	2696.1	2133.2	509.3	344.9	375.9	492.4	580.8	594.9	601.4	618.3
1713.1	77.5°	1281.8	923.8	290.4	268.8	302.6	402.2	490.5	506.5	488.7	498.1
472.7	80°	433.2	343.0	183.2	204.9	231.2	313.9	392.8	408.8	371.2	369.3
156.9	82.5°	151.3	139.1	116.5	136.3	149.4	224.6	297.0	317.6	276.3	275.3
70.5	85°	59.2	56.4	64.8	74.2	89.3	138.1	195.5	205.8	170.1	137.2
20.7	87.5°	12.2	13.2	16.0	16.9	27.3	47.9	70.5	86.5	68.6	58.3
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>
2026.1
2102.2
2213.1
2340.9
2486.5
2652.9
2857.7
3080.5
3201.7
3138.7
2969.6
2797.6
2647.2
2503.5
2348.4
2183.0
2036.4
2002.6
1912.4
1754.5
1500.8
1293.1
1222.6
1165.3
1135.2
1069.4
993.3
901.2
807.2
715.1
620.2
490.5
365.6
262.2
135.3
53.6
0.0

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