

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: P847463

Luminaire Tested: **GLAN-SB3C-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847463
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-SB3C-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17759 lumens
Efficiency: N/A
Efficacy: 119.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

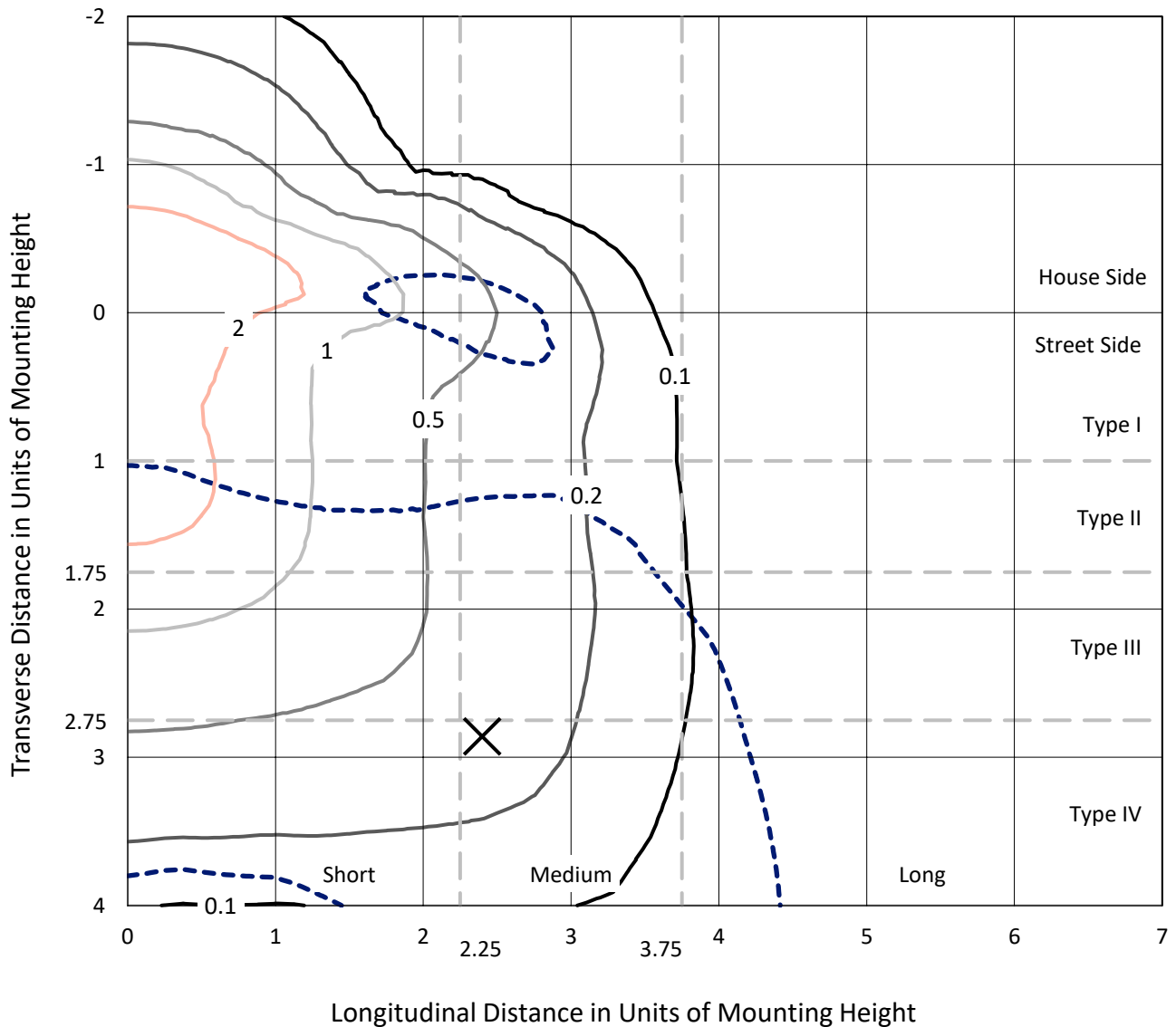
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

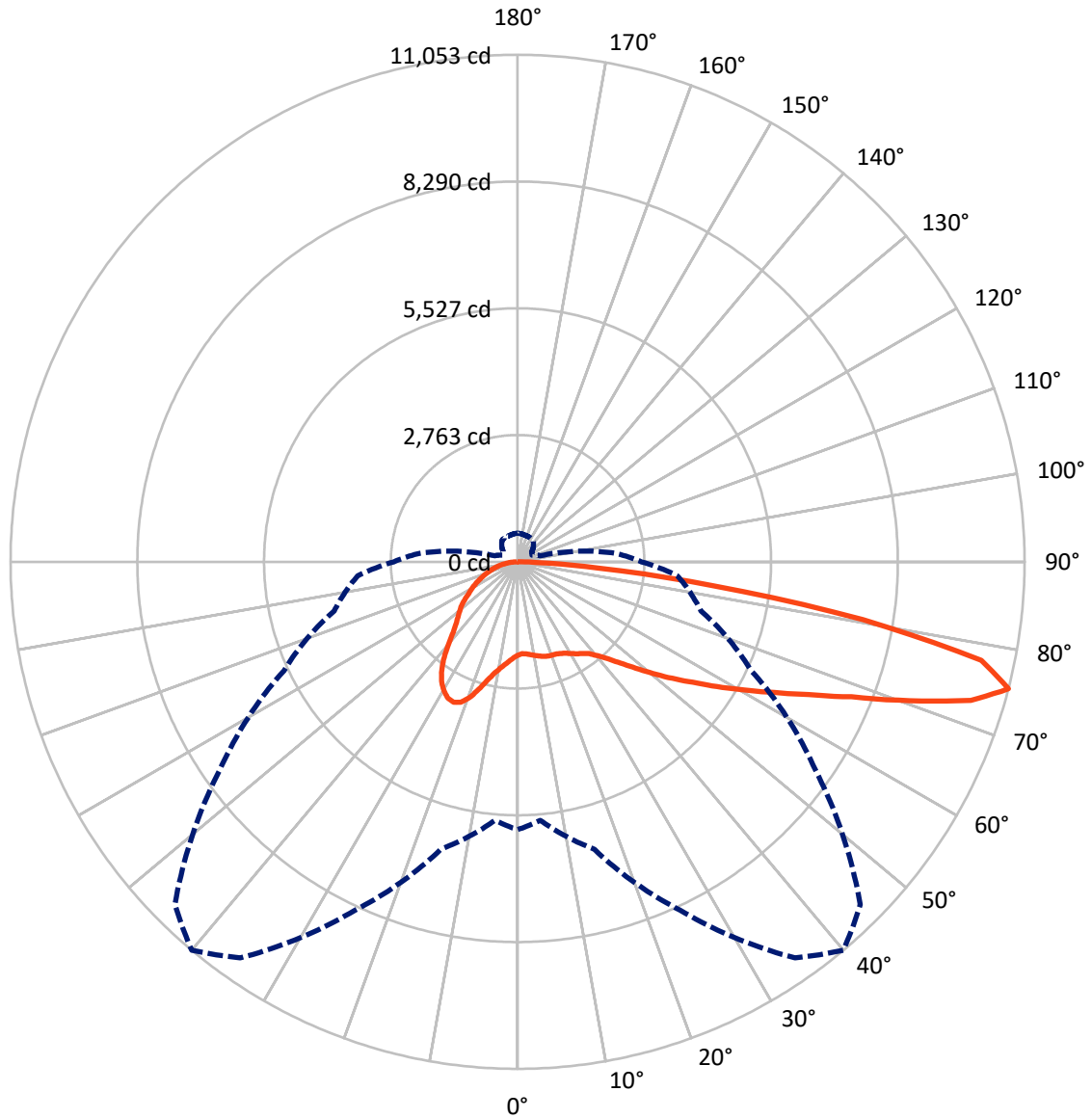
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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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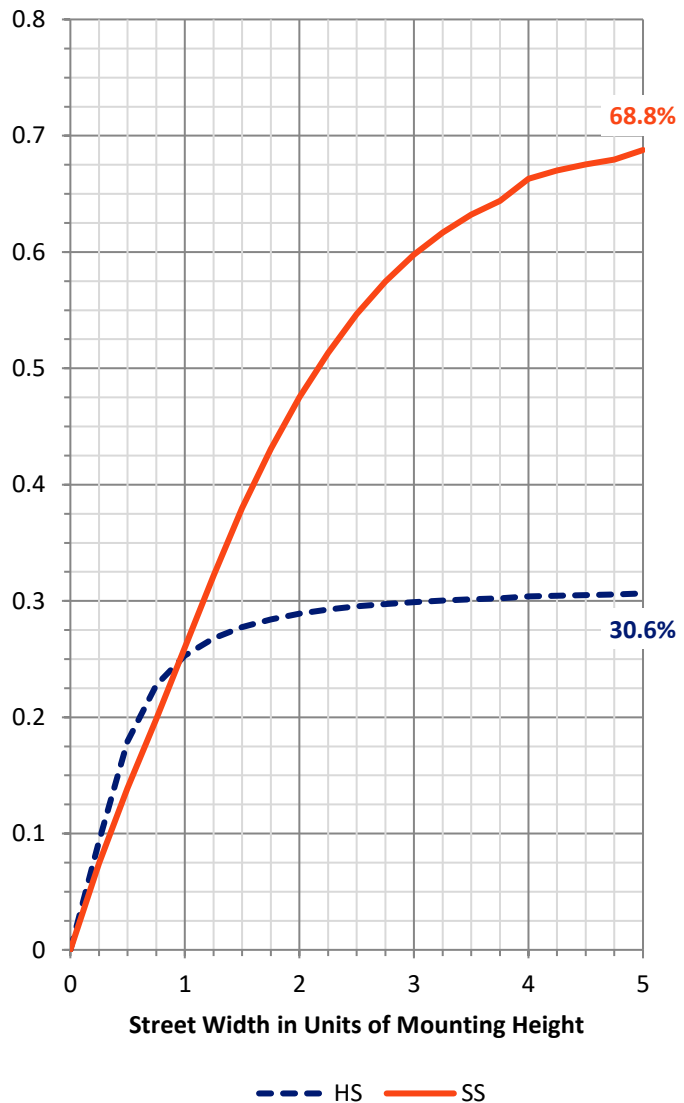
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5502.3	0.0	5502.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	12256.7	0.0	12256.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	17759.0	0.0	17759.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.7	1.1
10°-20°	680.6	3.8
20°-30°	1242.7	7.0
30°-40°	1762.5	9.9
40°-50°	2379.9	13.4
50°-60°	3201.6	18.0
60°-70°	4063.5	22.9
70°-80°	3687.9	20.8
80°-90°	537.6	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°	17759.0	100.0
0°-180°	17759.0	100.0

Coefficient of Utilization

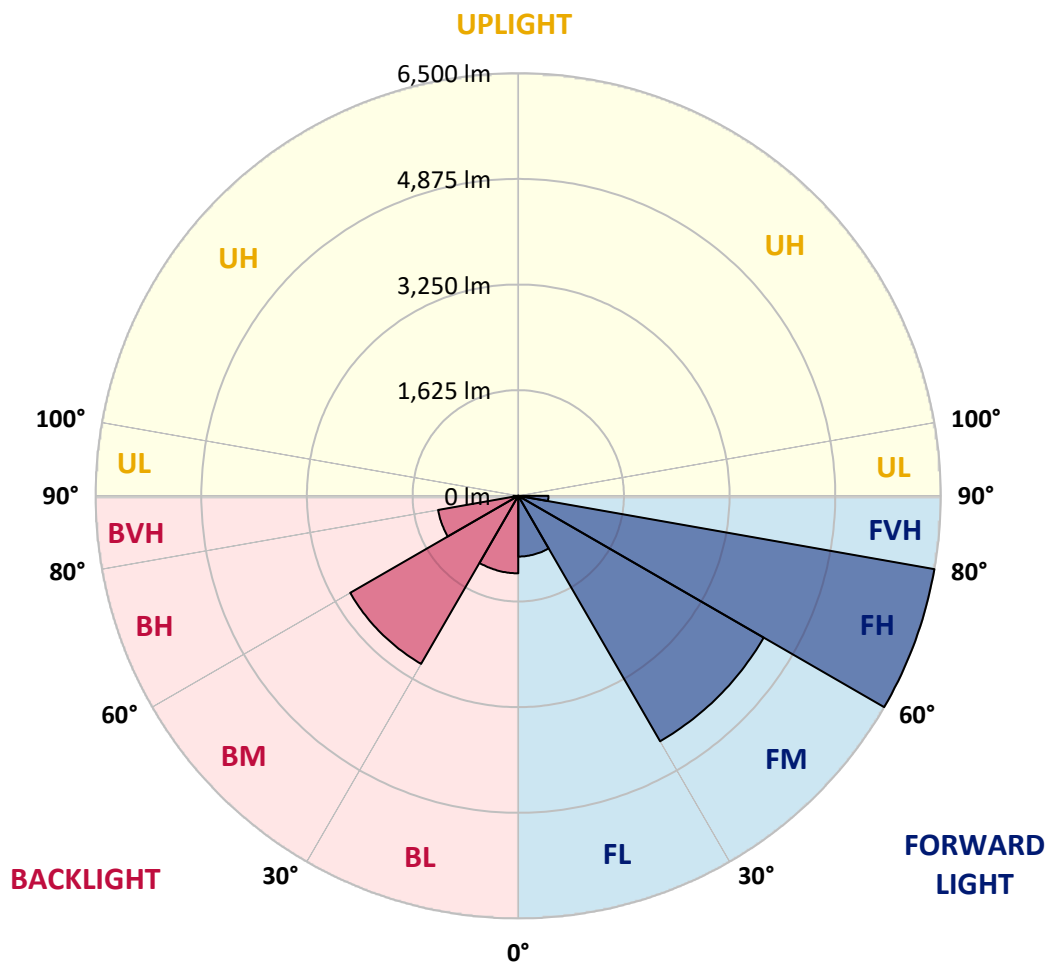


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	934.1	5.3			
FM (30°-60°)	4359.4	24.5			
FH (60°-80°)	6499.5	36.6			G3/7500
FVH (80°-90°)	463.6	2.6			G3/500
BL (0°-30°)	1191.9	6.7	B3/2500		
BM (30°-60°)	2984.5	16.8	B3/5000		
BH (60°-80°)	1251.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	74.0	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°	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8
2.5°	1999.7	2011.0	2008.2	2004.4	2004.4	2005.3	2004.4	2011.0	2017.6	2024.2
5°	2020.4	2031.7	2026.1	2021.3	2017.6	2016.6	2013.8	2012.9	2016.6	2025.1
7.5°	2060.9	2072.2	2063.7	2055.3	2047.7	2044.0	2040.2	2034.5	2031.7	2036.4
10°	2106.1	2117.4	2107.1	2092.0	2079.7	2075.0	2071.3	2065.6	2061.8	2064.7
12.5°	2151.3	2162.6	2148.5	2127.8	2111.8	2108.9	2104.2	2102.4	2101.4	2100.5
15°	2193.7	2203.1	2185.2	2160.7	2143.8	2139.1	2134.4	2137.2	2141.9	2147.6
17.5°	2226.7	2236.1	2209.7	2177.7	2161.7	2159.8	2157.0	2166.4	2179.6	2193.7
20°	2256.8	2266.2	2232.3	2189.0	2170.2	2170.2	2171.1	2190.9	2209.7	2230.5
22.5°	2299.2	2306.7	2265.3	2206.0	2178.6	2180.5	2188.1	2207.8	2231.4	2259.7
25°	2362.3	2368.0	2317.1	2238.0	2206.9	2212.6	2219.1	2228.6	2251.2	2284.1
27.5°	2464.0	2468.8	2401.9	2294.5	2247.4	2256.8	2266.2	2259.7	2270.0	2298.3
30°	2607.2	2610.0	2525.3	2383.0	2316.2	2320.9	2322.8	2295.4	2275.7	2298.3
32.5°	2776.8	2775.8	2675.0	2490.4	2394.3	2389.6	2373.6	2319.9	2273.8	2293.6
35°	3039.6	3029.2	2899.2	2641.1	2482.9	2453.7	2416.0	2347.2	2283.2	2288.8
37.5°	3474.7	3442.7	3262.8	2887.9	2614.8	2540.3	2484.8	2391.5	2303.9	2287.0
40°	3965.5	3925.0	3727.2	3226.1	2812.6	2692.9	2603.4	2454.6	2337.8	2295.4
42.5°	4547.6	4490.1	4277.2	3624.5	3063.1	2889.8	2755.1	2534.7	2387.8	2322.8
45°	5262.5	5186.2	4884.8	4073.8	3378.6	3147.9	2968.0	2656.2	2464.0	2375.5
47.5°	5984.9	6003.8	5575.2	4588.1	3757.3	3466.2	3234.5	2838.9	2575.2	2460.3
50°	6752.6	6765.8	6261.8	5157.9	4186.8	3826.1	3534.1	3043.3	2729.7	2580.8
52.5°	7351.6	7353.5	6885.4	5754.1	4634.2	4221.7	3857.1	3276.9	2908.6	2741.0
55°	7726.5	7721.8	7322.4	6318.4	5148.5	4637.0	4215.1	3542.5	3127.2	2929.4
57.5°	7998.7	7984.6	7623.8	6803.4	5696.7	5127.8	4620.1	3843.9	3385.2	3153.5
60°	8102.3	8093.9	7828.2	7222.6	6273.1	5670.3	5087.3	4181.2	3678.2	3418.2
62.5°	8141.9	8157.9	8028.9	7628.6	6890.1	6271.3	5600.6	4584.3	4007.8	3717.7
65°	8281.3	8310.5	8284.1	8159.8	7587.1	6974.9	6281.6	5063.7	4367.7	4038.9
67.5°	8557.3	8586.5	8597.8	8795.6	8438.6	7851.8	7131.2	5660.9	4788.7	4372.4
70°	8550.7	8542.2	8741.9	9301.4	9504.8	9065.9	8276.6	6395.6	5290.7	4649.3
72.5°	7783.0	7715.2	8187.1	9295.7	10392.1	10333.7	9675.3	7343.2	5724.0	4683.2
75°	5838.9	5658.1	6491.7	8377.4	10540.0	11053.4	10564.5	7930.9	5621.3	4137.8
77.5°	2497.0	2315.2	3297.6	6201.6	9433.3	10332.8	9748.8	6919.3	4487.3	2736.3
80°	653.7	652.7	996.5	2811.6	6415.4	7630.4	6694.2	4468.4	2563.9	977.7
82.5°	270.3	263.7	366.4	1093.6	3134.7	4281.9	3494.5	1993.1	925.9	264.7
85°	100.8	99.8	178.0	377.7	1105.8	1766.1	1278.2	509.6	230.8	129.0
87.5°	28.3	27.3	38.6	130.9	269.4	408.8	218.5	83.8	65.0	50.9
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°
2030.8	0°	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8	2030.8
2034.5	2.5°	2037.4	2042.1	2050.5	2057.1	2065.6	2075.0	2088.2	2096.7	2105.2	2110.8
2039.2	5°	2045.8	2056.2	2077.9	2099.5	2125.0	2148.5	2175.8	2195.6	2211.6	2216.3
2056.2	7.5°	2064.7	2081.6	2118.4	2155.1	2195.6	2234.2	2273.8	2307.7	2335.0	2345.4
2086.3	10°	2097.6	2120.2	2172.1	2223.9	2277.5	2336.9	2387.8	2436.7	2475.3	2491.4
2122.1	12.5°	2139.1	2167.3	2235.2	2306.7	2381.2	2463.1	2529.0	2589.3	2637.4	2659.0
2172.1	15°	2192.8	2229.5	2316.2	2412.2	2521.5	2635.5	2719.3	2786.2	2839.9	2866.2
2223.9	17.5°	2251.2	2300.2	2409.4	2554.5	2710.8	2860.6	2958.6	3007.5	3063.1	3088.5
2271.9	20°	2307.7	2368.0	2524.3	2735.3	2943.5	3102.7	3181.8	3195.0	3198.7	3201.6
2317.1	22.5°	2366.1	2447.1	2668.4	2963.3	3186.5	3296.7	3308.0	3251.5	3172.4	3135.6
2361.4	25°	2430.1	2537.5	2856.8	3214.8	3395.6	3408.8	3322.1	3184.6	3034.8	2966.1
2397.2	27.5°	2492.3	2642.1	3082.9	3454.9	3546.3	3430.4	3243.9	3049.0	2868.1	2795.6
2422.6	30°	2554.5	2761.7	3332.5	3665.0	3615.1	3376.8	3120.6	2903.0	2721.2	2644.9
2445.2	32.5°	2617.6	2901.1	3619.8	3816.6	3602.8	3262.8	2967.0	2739.1	2579.0	2498.9
2465.0	35°	2689.2	3072.5	3892.0	3899.5	3520.9	3095.1	2764.5	2543.2	2403.8	2339.7
2488.5	37.5°	2782.4	3290.1	4132.2	3920.2	3377.7	2849.3	2513.0	2311.5	2196.5	2167.3
2523.4	40°	2898.3	3552.0	4315.8	3887.3	3165.8	2550.7	2238.0	2076.9	2011.9	2018.5
2570.5	42.5°	3049.0	3844.9	4444.9	3802.5	2871.0	2242.7	1996.9	1925.3	1956.4	1982.7
2641.1	45°	3244.9	4149.1	4525.0	3658.4	2537.5	1981.8	1854.6	1871.6	1895.1	1898.0
2755.1	47.5°	3495.4	4457.1	4577.7	3440.8	2197.5	1798.1	1764.2	1768.0	1763.3	1743.5
2925.6	50°	3808.2	4756.7	4624.8	3152.6	1908.3	1683.2	1638.0	1624.8	1559.8	1495.8
3152.6	52.5°	4164.2	5031.7	4644.6	2794.7	1683.2	1587.1	1513.7	1430.8	1309.3	1289.5
3438.0	55°	4559.8	5286.0	4593.7	2354.8	1493.9	1463.7	1352.6	1252.7	1239.6	1222.6
3813.8	57.5°	5032.6	5560.1	4490.1	1864.0	1299.8	1319.6	1211.3	1222.6	1199.1	1172.7
4297.0	60°	5549.8	5843.6	4308.3	1416.6	1099.2	1139.7	1174.6	1173.6	1167.0	1145.4
4806.6	62.5°	6015.1	6030.1	3950.4	1085.1	923.1	1000.3	1095.4	1094.5	1088.9	1076.6
5338.8	65°	6292.0	6001.9	3353.2	854.3	778.0	885.4	988.1	995.6	996.5	995.6
5739.1	67.5°	6243.0	5671.3	2533.7	680.1	658.4	768.6	881.6	892.0	899.5	901.4
5789.9	70°	5689.2	4945.0	1652.1	542.5	552.0	665.9	780.8	791.2	797.8	805.3
5024.2	72.5°	4434.5	3635.8	945.7	438.9	458.7	577.4	681.0	693.2	697.0	711.1
3496.4	75°	2702.3	2138.1	510.5	345.7	376.8	493.6	582.1	596.2	602.8	619.8
1717.1	77.5°	1284.8	925.9	291.1	269.4	303.3	403.1	491.7	507.7	489.8	499.2
473.8	80°	434.2	343.8	183.7	205.3	231.7	314.6	393.7	409.7	372.1	370.2
157.3	82.5°	151.6	139.4	116.8	136.6	149.8	225.1	297.6	318.4	276.9	276.0
70.6	85°	59.3	56.5	65.0	74.4	89.5	138.5	195.9	206.3	170.5	137.5
20.7	87.5°	12.2	13.2	16.0	17.0	27.3	48.0	70.6	86.7	68.8	58.4
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°
2030.8
2107.1
2218.2
2346.3
2492.3
2659.0
2864.4
3087.6
3209.1
3146.0
2976.4
2804.1
2653.4
2509.3
2353.8
2188.1
2041.1
2007.2
1916.8
1758.6
1504.2
1296.1
1225.4
1168.0
1137.8
1071.9
995.6
903.3
809.1
716.8
621.7
491.7
366.4
262.8
135.6
53.7
0.0

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