

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: P847503

Luminaire Tested: **GLAN-SB3C-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847503
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-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 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: 19125 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

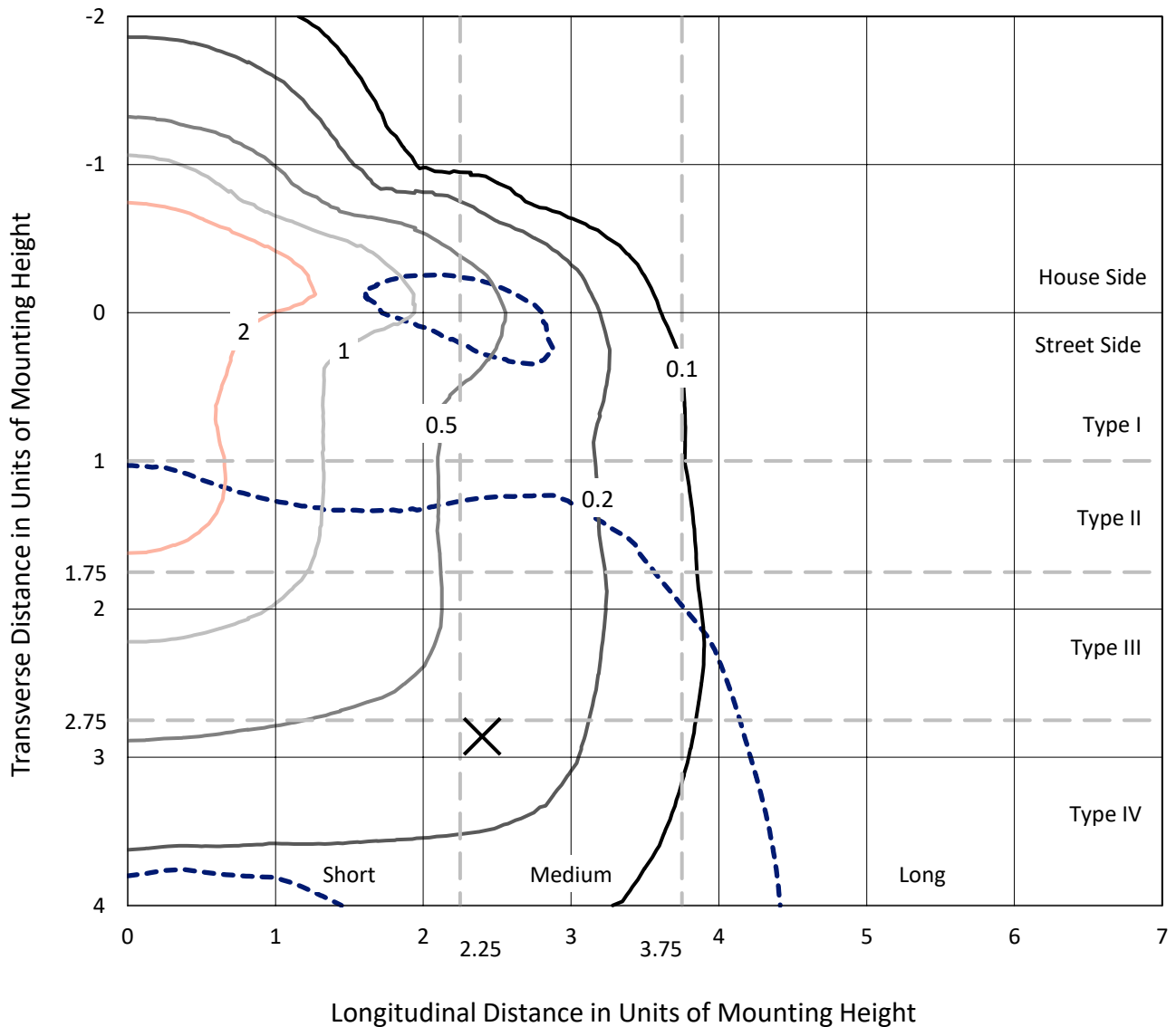
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

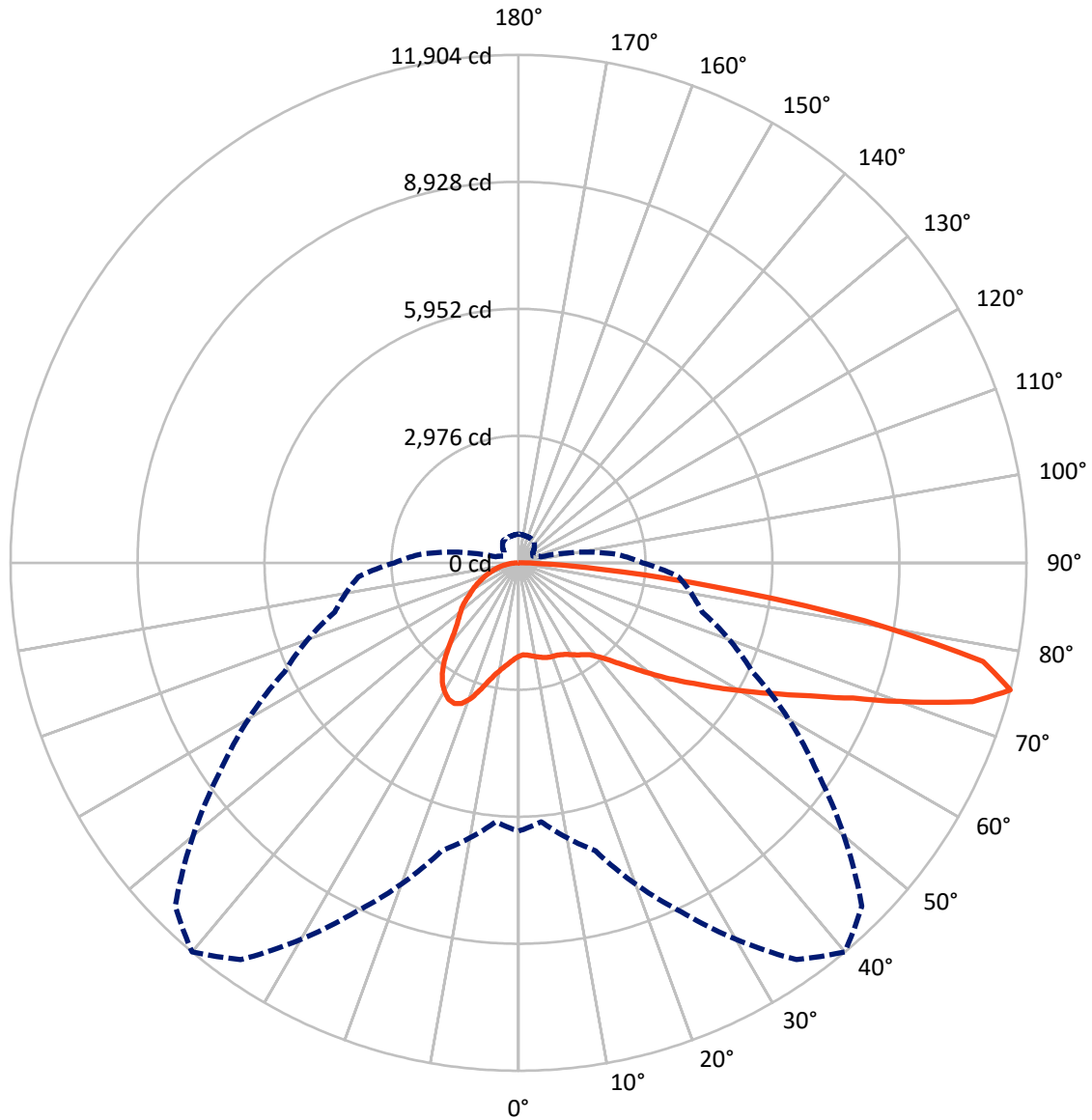
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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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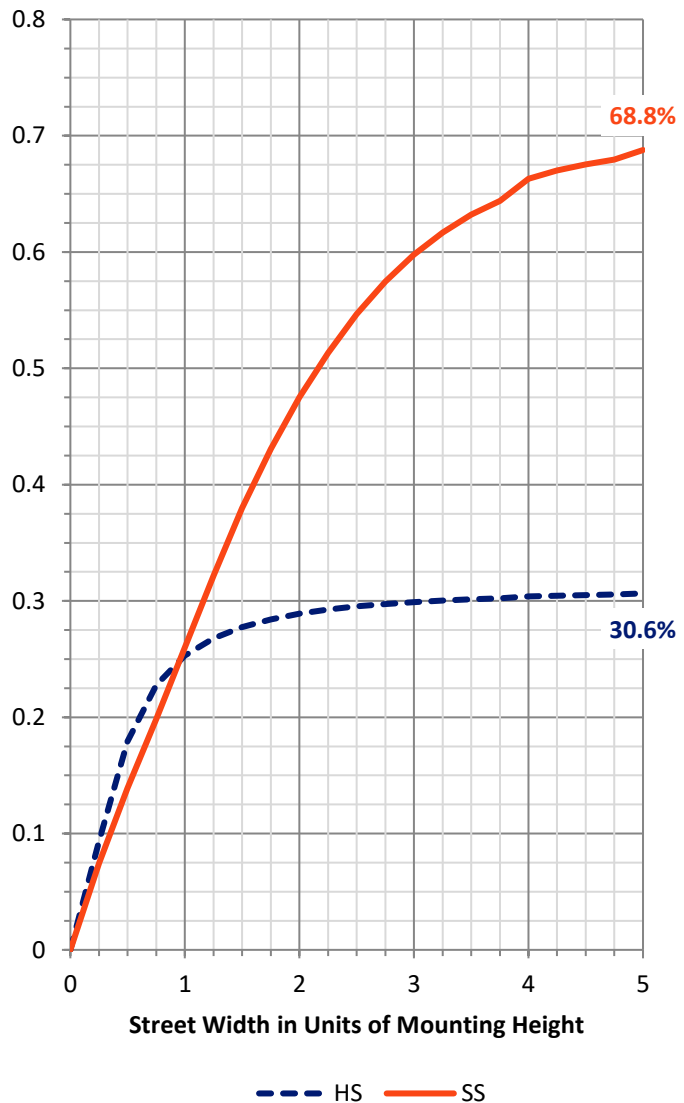
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5925.6	0.0	5925.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	13199.4	0.0	13199.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	19125.0	0.0	19125.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	1.1
10°-20°	732.9	3.8
20°-30°	1338.3	7.0
30°-40°	1898.1	9.9
40°-50°	2562.9	13.4
50°-60°	3447.9	18.0
60°-70°	4376.1	22.9
70°-80°	3971.6	20.8
80°-90°	578.9	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°	19125.0	100.0
0°-180°	19125.0	100.0

Coefficient of Utilization

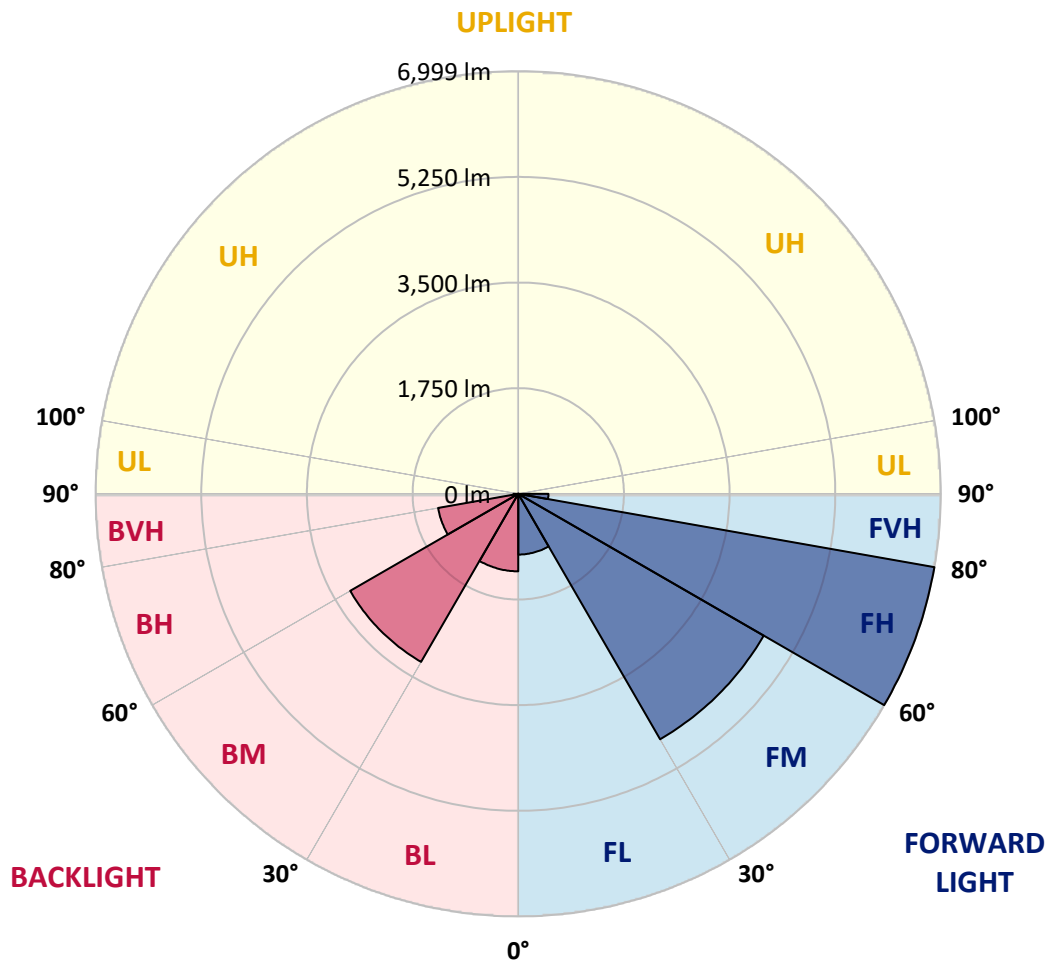


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1006.0	5.3			
FM (30°-60°)	4694.8	24.5			
FH (60°-80°)	6999.5	36.6			G3/7500
FVH (80°-90°)	499.2	2.6			G3/500
BL (0°-30°)	1283.5	6.7	B3/2500		
BM (30°-60°)	3214.1	16.8	B3/5000		
BH (60°-80°)	1348.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	79.7	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°	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0
2.5°	2153.5	2165.7	2162.6	2158.6	2158.6	2159.6	2158.6	2165.7	2172.8	2179.9
5°	2175.8	2188.0	2181.9	2176.8	2172.8	2171.8	2168.7	2167.7	2171.8	2180.9
7.5°	2219.4	2231.6	2222.5	2213.3	2205.2	2201.2	2197.1	2191.0	2188.0	2193.1
10°	2268.1	2280.3	2269.1	2252.9	2239.7	2234.6	2230.6	2224.5	2220.4	2223.5
12.5°	2316.8	2329.0	2313.8	2291.4	2274.2	2271.2	2266.1	2264.1	2263.0	2262.0
15°	2362.5	2372.6	2353.3	2327.0	2308.7	2303.6	2298.5	2301.6	2306.7	2312.8
17.5°	2398.0	2408.1	2379.7	2345.2	2328.0	2325.9	2322.9	2333.0	2347.2	2362.5
20°	2430.4	2440.6	2404.0	2357.4	2337.1	2337.1	2338.1	2359.4	2379.7	2402.0
22.5°	2476.1	2484.2	2439.5	2375.6	2346.2	2348.3	2356.4	2377.7	2403.0	2433.5
25°	2544.0	2550.1	2495.3	2410.1	2376.7	2382.7	2389.8	2400.0	2424.3	2459.8
27.5°	2653.6	2658.6	2586.6	2471.0	2420.3	2430.4	2440.6	2433.5	2444.6	2475.0
30°	2807.8	2810.8	2719.5	2566.3	2494.3	2499.4	2501.4	2472.0	2450.7	2475.0
32.5°	2990.3	2989.3	2880.8	2682.0	2578.5	2573.4	2556.2	2498.4	2448.7	2470.0
35°	3273.4	3262.2	3122.2	2844.3	2673.9	2642.4	2601.8	2527.8	2458.8	2464.9
37.5°	3742.0	3707.5	3513.8	3110.0	2815.9	2735.7	2675.9	2575.5	2481.1	2462.9
40°	4270.5	4226.9	4013.8	3474.2	3028.9	2900.1	2803.7	2643.4	2517.7	2472.0
42.5°	4897.4	4835.5	4606.2	3903.3	3298.7	3112.1	2967.0	2729.7	2571.4	2501.4
45°	5667.3	5585.1	5260.5	4387.1	3638.5	3390.0	3196.3	2860.5	2653.6	2558.2
47.5°	6445.3	6465.6	6004.0	4941.0	4046.3	3732.9	3483.3	3057.3	2773.3	2649.5
50°	7272.0	7286.2	6743.5	5554.7	4508.8	4120.3	3805.9	3277.4	2939.6	2779.4
52.5°	7917.1	7919.1	7415.0	6196.8	4990.7	4546.4	4153.8	3529.0	3132.4	2951.8
55°	8320.8	8315.8	7885.7	6804.4	5544.5	4993.7	4539.3	3815.0	3367.7	3154.7
57.5°	8614.0	8598.8	8210.3	7326.8	6134.9	5522.2	4975.5	4139.6	3645.6	3396.1
60°	8725.6	8716.4	8430.4	7778.1	6755.7	6106.5	5478.6	4502.8	3961.1	3681.1
62.5°	8768.2	8785.4	8646.4	8215.3	7420.1	6753.6	6031.4	4936.9	4316.1	4003.7
65°	8918.3	8949.7	8921.3	8787.4	8170.7	7511.4	6764.8	5453.2	4703.6	4349.6
67.5°	9215.5	9246.9	9259.1	9472.1	9087.7	8455.7	7679.8	6096.3	5157.0	4708.7
70°	9208.4	9199.3	9414.3	10016.8	10235.9	9763.3	8913.2	6887.5	5697.7	5006.9
72.5°	8381.7	8308.7	8816.9	10010.8	11191.5	11128.6	10419.5	7908.0	6164.3	5043.4
75°	6288.0	6093.3	6991.0	9021.8	11350.7	11903.6	11377.1	8540.9	6053.7	4456.1
77.5°	2689.1	2493.3	3551.3	6678.6	10158.9	11127.6	10498.7	7451.5	4832.4	2946.7
80°	704.0	703.0	1073.2	3027.9	6908.8	8217.4	7209.1	4812.1	2761.1	1052.9
82.5°	291.1	284.0	394.6	1177.7	3375.8	4611.3	3763.3	2146.4	997.1	285.0
85°	108.5	107.5	191.7	406.8	1190.9	1901.9	1376.5	548.8	248.5	139.0
87.5°	30.4	29.4	41.6	141.0	290.1	440.2	235.3	90.3	70.0	54.8
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°
2187.0	0°	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0	2187.0
2191.0	2.5°	2194.1	2199.1	2208.3	2215.4	2224.5	2234.6	2248.8	2258.0	2267.1	2273.2
2196.1	5°	2203.2	2214.4	2237.7	2261.0	2288.4	2313.8	2343.2	2364.5	2381.7	2386.8
2214.4	7.5°	2223.5	2241.7	2281.3	2320.9	2364.5	2406.1	2448.7	2485.2	2514.6	2525.8
2246.8	10°	2259.0	2283.3	2339.1	2394.9	2452.7	2516.6	2571.4	2624.2	2665.7	2683.0
2285.4	12.5°	2303.6	2334.1	2407.1	2484.2	2564.3	2652.6	2723.6	2788.5	2840.2	2863.6
2339.1	15°	2361.4	2401.0	2494.3	2597.8	2715.5	2838.2	2928.5	3000.5	3058.3	3086.7
2394.9	17.5°	2424.3	2477.1	2594.7	2751.0	2919.3	3080.6	3186.1	3238.9	3298.7	3326.1
2446.6	20°	2485.2	2550.1	2718.5	2945.7	3169.9	3341.3	3426.5	3440.7	3444.8	3447.8
2495.3	22.5°	2548.1	2635.3	2873.7	3191.2	3431.6	3550.3	3562.4	3501.6	3416.4	3376.8
2543.0	25°	2617.1	2732.7	3076.6	3462.0	3656.8	3671.0	3577.7	3429.6	3268.3	3194.2
2581.6	27.5°	2684.0	2845.3	3320.0	3720.7	3819.1	3694.3	3493.5	3283.5	3088.7	3010.6
2608.9	30°	2751.0	2974.1	3588.8	3946.9	3893.1	3636.5	3360.6	3126.3	2930.5	2848.3
2633.3	32.5°	2818.9	3124.2	3898.2	4110.2	3879.9	3513.8	3195.2	2949.8	2777.3	2691.1
2654.6	35°	2896.0	3308.9	4191.4	4199.5	3791.7	3333.2	2977.2	2738.8	2588.7	2519.7
2680.0	37.5°	2996.4	3543.2	4450.0	4221.8	3637.5	3068.5	2706.3	2489.2	2365.5	2334.1
2717.5	40°	3121.2	3825.2	4647.8	4186.3	3409.3	2746.9	2410.1	2236.7	2166.7	2173.8
2768.2	42.5°	3283.5	4140.6	4786.8	4095.0	3091.8	2415.2	2150.5	2073.4	2106.8	2135.2
2844.3	45°	3494.5	4468.3	4873.0	3939.8	2732.7	2134.2	1997.3	2015.5	2040.9	2043.9
2967.0	47.5°	3764.3	4800.0	4929.8	3705.5	2366.5	1936.4	1899.9	1904.0	1898.9	1877.6
3150.6	50°	4101.1	5122.5	4980.5	3395.1	2055.1	1812.7	1764.0	1749.8	1679.8	1610.8
3395.1	52.5°	4484.5	5418.7	5001.8	3009.6	1812.7	1709.2	1630.1	1540.8	1410.0	1388.7
3702.4	55°	4910.5	5692.6	4947.1	2535.9	1608.8	1576.3	1456.6	1349.1	1334.9	1316.6
4107.2	57.5°	5419.7	5987.8	4835.5	2007.4	1399.8	1421.1	1304.5	1316.6	1291.3	1262.9
4627.5	60°	5976.6	6293.1	4639.7	1525.6	1183.8	1227.4	1264.9	1263.9	1256.8	1233.5
5176.3	62.5°	6477.7	6494.0	4254.2	1168.5	994.1	1077.3	1179.7	1178.7	1172.6	1159.4
5749.4	65°	6776.0	6463.5	3611.1	920.0	837.9	953.5	1064.1	1072.2	1073.2	1072.2
6180.5	67.5°	6723.2	6107.5	2728.6	732.4	709.0	827.7	949.4	960.6	968.7	970.7
6235.3	70°	6126.8	5325.4	1779.2	584.3	594.4	717.2	840.9	852.1	859.2	867.3
5410.6	72.5°	4775.6	3915.4	1018.4	472.7	494.0	621.8	733.4	746.6	750.6	765.8
3765.3	75°	2910.2	2302.6	549.8	372.3	405.7	531.5	626.9	642.1	649.2	667.5
1849.2	77.5°	1383.6	997.1	313.4	290.1	326.6	434.1	529.5	546.7	527.5	537.6
510.2	80°	467.6	370.2	197.8	221.1	249.5	338.8	424.0	441.2	400.7	398.6
169.4	82.5°	163.3	150.1	125.8	147.1	161.3	242.4	320.5	342.9	298.2	297.2
76.1	85°	63.9	60.9	70.0	80.1	96.4	149.1	211.0	222.1	183.6	148.1
22.3	87.5°	13.2	14.2	17.2	18.3	29.4	51.7	76.1	93.3	74.0	62.9
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°
2187.0
2269.1
2388.8
2526.8
2684.0
2863.6
3084.7
3325.1
3455.9
3388.0
3205.4
3019.8
2857.5
2702.3
2534.9
2356.4
2198.1
2161.6
2064.2
1893.8
1619.9
1395.8
1319.7
1257.8
1225.4
1154.3
1072.2
972.8
871.3
771.9
669.5
529.5
394.6
283.0
146.1
57.8
0.0

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