

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: P848193

Luminaire Tested: **GLAN-SB4C-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848193
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-SB4C-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 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: 19160 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

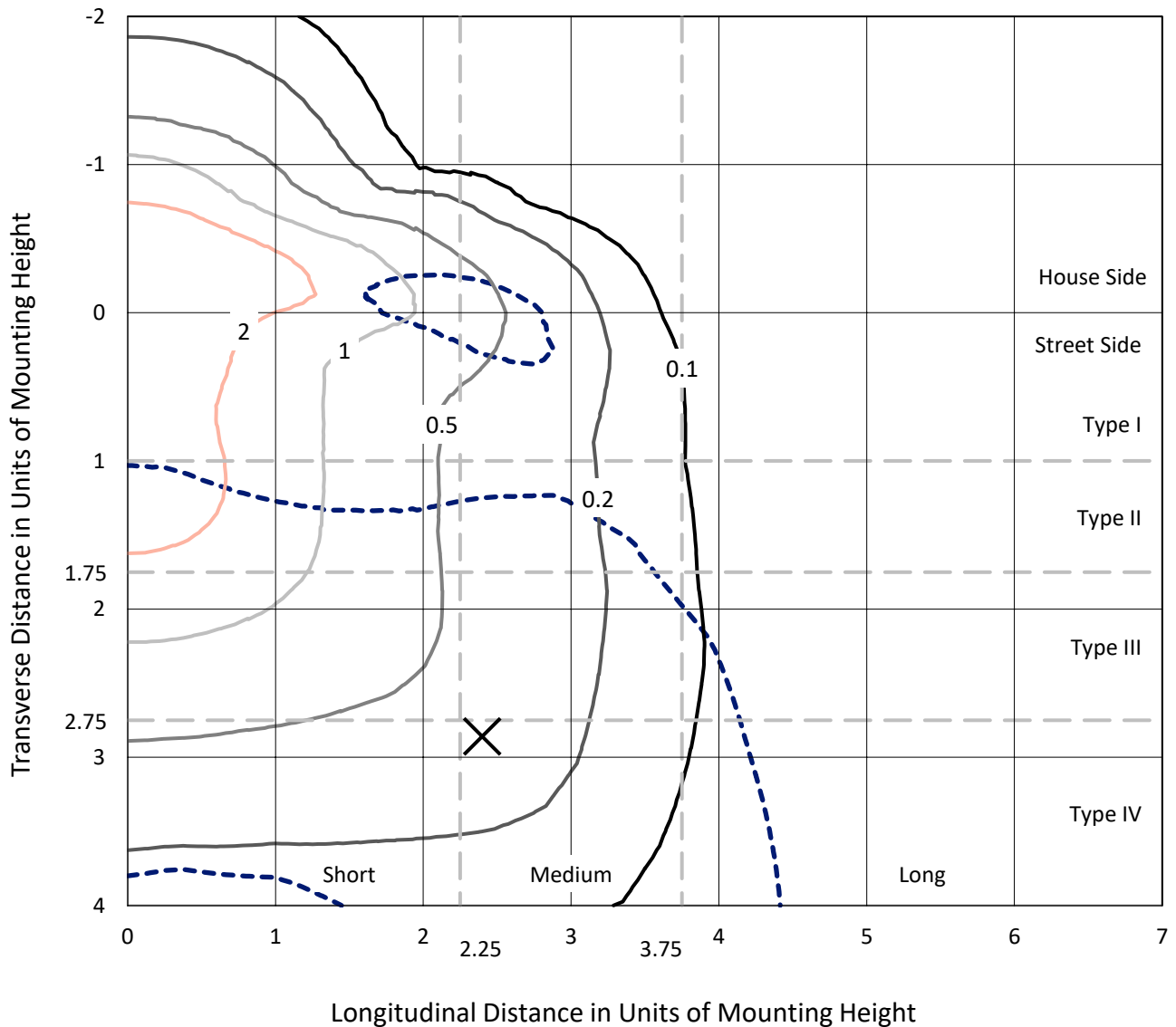
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

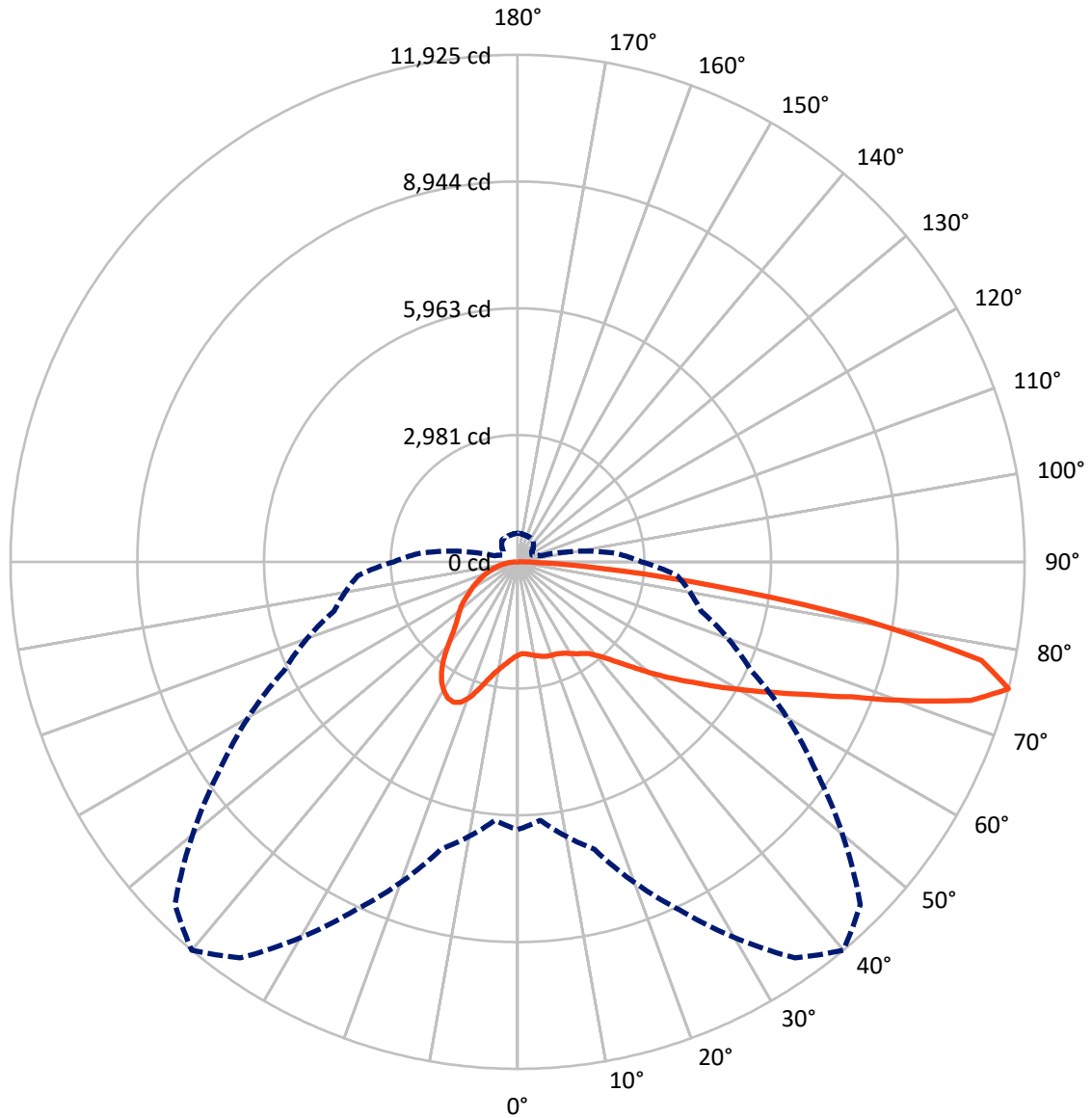
✕ Max cd
 - - - 1/2 Max cd



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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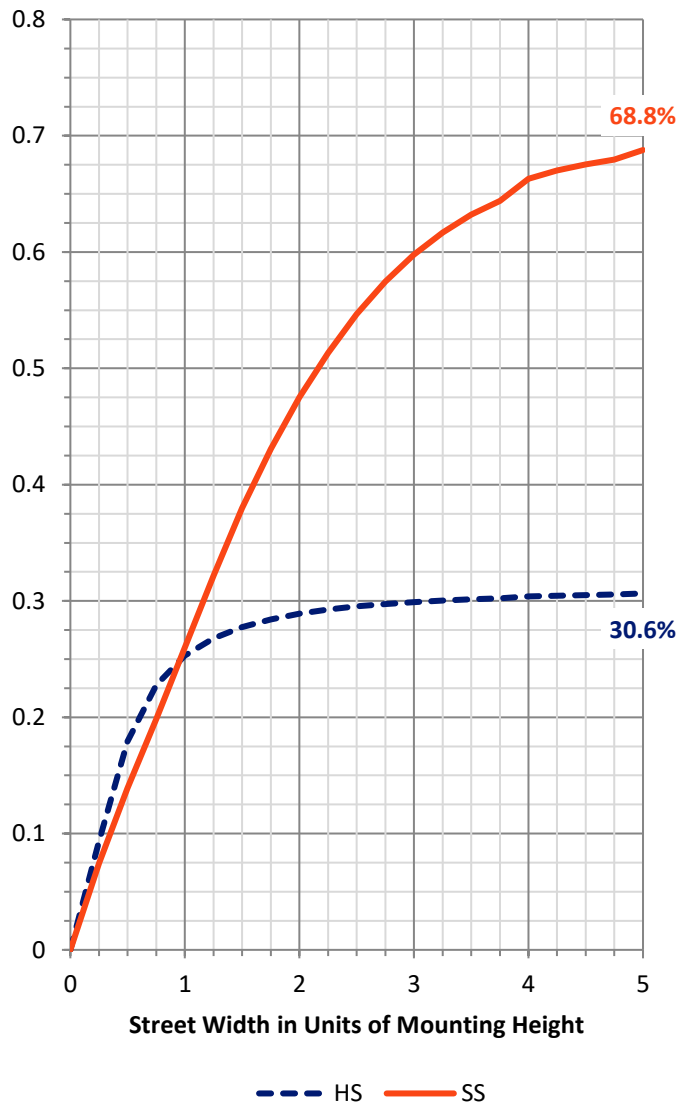
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5936.4	0.0	5936.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	13223.6	0.0	13223.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	19160.0	0.0	19160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.7	1.1
10°-20°	734.3	3.8
20°-30°	1340.7	7.0
30°-40°	1901.5	9.9
40°-50°	2567.6	13.4
50°-60°	3454.2	18.0
60°-70°	4384.1	22.9
70°-80°	3978.9	20.8
80°-90°	580.0	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°	19160.0	100.0
0°-180°	19160.0	100.0

Coefficient of Utilization

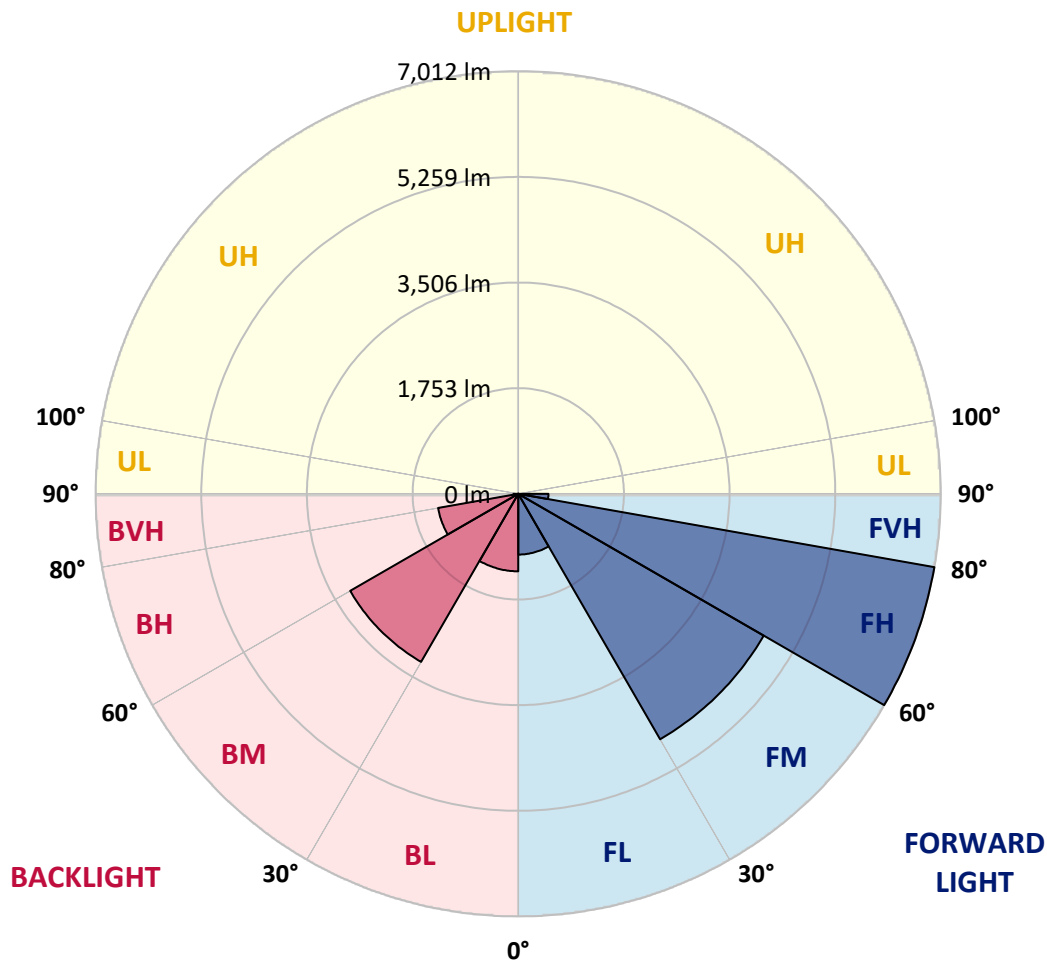


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1007.8	5.3			
FM (30°-60°)	4703.4	24.5			
FH (60°-80°)	7012.3	36.6			G3/7500
FVH (80°-90°)	500.1	2.6			G4/750
BL (0°-30°)	1285.9	6.7	B3/2500		
BM (30°-60°)	3220.0	16.8	B3/5000		
BH (60°-80°)	1350.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	79.9	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-G4
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0
2.5°	2157.4	2169.6	2166.6	2162.5	2162.5	2163.5	2162.5	2169.6	2176.7	2183.9
5°	2179.8	2192.0	2185.9	2180.8	2176.7	2175.7	2172.7	2171.7	2175.7	2184.9
7.5°	2223.5	2235.7	2226.5	2217.4	2209.3	2205.2	2201.1	2195.0	2192.0	2197.1
10°	2272.3	2284.5	2273.3	2257.0	2243.8	2238.7	2234.7	2228.6	2224.5	2227.6
12.5°	2321.0	2333.2	2318.0	2295.6	2278.4	2275.3	2270.2	2268.2	2267.2	2266.2
15°	2366.8	2376.9	2357.6	2331.2	2312.9	2307.8	2302.8	2305.8	2310.9	2317.0
17.5°	2402.3	2412.5	2384.1	2349.5	2332.2	2330.2	2327.1	2337.3	2351.5	2366.8
20°	2434.9	2445.0	2408.4	2361.7	2341.4	2341.4	2342.4	2363.7	2384.1	2406.4
22.5°	2480.6	2488.7	2444.0	2380.0	2350.5	2352.6	2360.7	2382.0	2407.4	2437.9
25°	2548.7	2554.8	2499.9	2414.5	2381.0	2387.1	2394.2	2404.4	2428.8	2464.3
27.5°	2658.4	2663.5	2591.4	2475.5	2424.7	2434.9	2445.0	2437.9	2449.1	2479.6
30°	2812.9	2815.9	2724.5	2571.0	2498.9	2504.0	2506.0	2476.5	2455.2	2479.6
32.5°	2995.8	2994.8	2886.1	2686.9	2583.2	2578.2	2560.9	2503.0	2453.2	2474.5
35°	3279.3	3268.2	3127.9	2849.5	2678.8	2647.3	2606.6	2532.4	2463.3	2469.4
37.5°	3748.8	3714.3	3520.2	3115.7	2821.0	2740.7	2680.8	2580.2	2485.7	2467.4
40°	4278.3	4234.6	4021.2	3480.6	3034.4	2905.4	2808.8	2648.3	2522.3	2476.5
42.5°	4906.3	4844.3	4614.7	3910.4	3304.7	3117.8	2972.4	2734.6	2576.1	2506.0
45°	5677.6	5595.3	5270.1	4395.2	3645.2	3396.2	3202.1	2865.7	2658.4	2562.9
47.5°	6457.1	6477.4	6015.0	4950.0	4053.7	3739.7	3489.7	3062.9	2778.3	2654.4
50°	7285.3	7299.5	6755.8	5564.8	4517.1	4127.9	3812.9	3283.4	2945.0	2784.4
52.5°	7931.6	7933.6	7428.6	6208.1	4999.8	4554.7	4161.4	3535.4	3138.1	2957.2
55°	8336.1	8331.0	7900.1	6816.8	5554.7	5002.9	4547.6	3822.0	3373.9	3160.4
57.5°	8629.7	8614.5	8225.3	7340.2	6146.1	5532.3	4984.6	4147.2	3652.3	3402.3
60°	8741.5	8732.4	8445.8	7792.4	6768.0	6117.6	5488.6	4511.0	3968.3	3687.9
62.5°	8784.2	8801.5	8662.3	8230.4	7433.7	6766.0	6042.4	4945.9	4324.0	4011.0
65°	8934.6	8966.1	8937.7	8803.5	8185.7	7525.1	6777.2	5463.2	4712.2	4357.6
67.5°	9232.4	9263.9	9276.1	9489.5	9104.3	8471.2	7693.8	6107.5	5166.5	4717.3
70°	9225.3	9216.1	9431.5	10035.2	10254.7	9781.1	8929.5	6900.1	5708.1	5016.1
72.5°	8397.0	8323.9	8833.0	10029.1	11212.0	11149.0	10438.6	7922.5	6175.6	5052.6
75°	6299.6	6104.4	7003.8	9038.3	11371.5	11925.3	11397.9	8556.6	6064.8	4464.3
77.5°	2694.0	2497.9	3557.8	6690.8	10177.4	11147.9	10517.9	7465.2	4841.3	2952.1
80°	705.3	704.2	1075.2	3033.4	6921.5	8232.4	7222.3	4821.0	2766.2	1054.8
82.5°	291.7	284.5	395.3	1179.8	3382.0	4619.7	3770.2	2150.3	998.9	285.6
85°	108.7	107.7	192.1	407.5	1193.0	1905.4	1379.0	549.8	249.0	139.2
87.5°	30.5	29.5	41.7	141.3	290.6	441.0	235.8	90.4	70.1	54.9
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°
2191.0	0°	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0	2191.0
2195.0	2.5°	2198.1	2203.2	2212.3	2219.4	2228.6	2238.7	2253.0	2262.1	2271.3	2277.4
2200.1	5°	2207.2	2218.4	2241.8	2265.2	2292.6	2318.0	2347.5	2368.8	2386.1	2391.2
2218.4	7.5°	2227.6	2245.8	2285.5	2325.1	2368.8	2410.5	2453.2	2489.7	2519.2	2530.4
2250.9	10°	2263.1	2287.5	2343.4	2399.3	2457.2	2521.2	2576.1	2629.0	2670.6	2687.9
2289.5	12.5°	2307.8	2338.3	2411.5	2488.7	2569.0	2657.4	2728.6	2793.6	2845.4	2868.8
2343.4	15°	2365.8	2405.4	2498.9	2602.5	2720.4	2843.4	2933.8	3006.0	3063.9	3092.4
2399.3	17.5°	2428.8	2481.6	2599.5	2756.0	2924.7	3086.3	3191.9	3244.8	3304.7	3332.2
2451.1	20°	2489.7	2554.8	2723.5	2951.1	3175.7	3347.4	3432.8	3447.0	3451.1	3454.1
2499.9	22.5°	2552.7	2640.1	2879.0	3197.0	3437.9	3556.8	3569.0	3508.0	3422.6	3383.0
2547.7	25°	2621.8	2737.7	3082.2	3468.4	3663.5	3677.7	3584.2	3435.8	3274.3	3200.1
2586.3	27.5°	2688.9	2850.5	3326.1	3727.5	3826.1	3701.1	3499.9	3289.5	3094.4	3016.1
2613.7	30°	2756.0	2979.6	3595.4	3954.1	3900.3	3643.2	3366.7	3132.0	2935.9	2853.5
2638.1	32.5°	2824.1	3130.0	3905.3	4117.7	3887.0	3520.2	3201.1	2955.2	2782.4	2696.0
2659.4	35°	2901.3	3314.9	4199.0	4207.2	3798.6	3339.3	2982.6	2743.8	2593.4	2524.3
2684.9	37.5°	3001.9	3549.7	4458.2	4229.5	3644.2	3074.1	2711.3	2493.8	2369.8	2338.3
2722.5	40°	3126.9	3832.2	4656.3	4193.9	3415.5	2751.9	2414.5	2240.8	2170.6	2177.8
2773.3	42.5°	3289.5	4148.2	4795.5	4102.5	3097.4	2419.6	2154.4	2077.2	2110.7	2139.1
2849.5	45°	3500.9	4476.5	4881.9	3947.0	2737.7	2138.1	2000.9	2019.2	2044.6	2047.7
2972.4	47.5°	3771.2	4808.8	4938.8	3712.3	2370.8	1940.0	1903.4	1907.4	1902.4	1881.0
3156.4	50°	4108.6	5131.9	4989.6	3401.3	2058.9	1816.0	1767.2	1753.0	1682.9	1613.8
3401.3	52.5°	4492.7	5428.7	5011.0	3015.1	1816.0	1712.3	1633.1	1543.6	1412.5	1391.2
3709.2	55°	4919.5	5703.0	4956.1	2540.6	1611.7	1579.2	1459.3	1351.6	1337.3	1319.1
4114.7	57.5°	5429.7	5998.7	4844.3	2011.1	1402.4	1423.7	1306.9	1319.1	1293.6	1265.2
4636.0	60°	5987.6	6304.6	4648.2	1528.4	1185.9	1229.6	1267.2	1266.2	1259.1	1235.7
5185.8	62.5°	6489.6	6505.8	4262.0	1170.7	995.9	1079.2	1181.9	1180.8	1174.8	1161.5
5759.9	65°	6788.4	6475.4	3617.7	921.7	839.4	955.2	1066.0	1074.1	1075.2	1074.1
6191.8	67.5°	6735.5	6118.7	2733.6	733.7	710.3	829.2	951.2	962.4	970.5	972.5
6246.7	70°	6138.0	5335.2	1782.5	585.3	595.5	718.5	842.4	853.6	860.7	868.9
5420.5	72.5°	4784.4	3922.6	1020.3	473.6	494.9	622.9	734.7	747.9	752.0	767.2
3772.2	75°	2915.5	2306.8	550.8	373.0	406.5	532.5	628.0	643.3	650.4	668.7
1852.6	77.5°	1386.1	998.9	314.0	290.6	327.2	434.9	530.5	547.7	528.4	538.6
511.2	80°	468.5	370.9	198.2	221.5	250.0	339.4	424.8	442.1	401.4	399.4
169.7	82.5°	163.6	150.4	126.0	147.4	161.6	242.9	321.1	343.5	298.8	297.8
76.2	85°	64.0	61.0	70.1	80.3	96.5	149.4	211.4	222.6	183.9	148.4
22.4	87.5°	13.2	14.2	17.3	18.3	29.5	51.8	76.2	93.5	74.2	63.0
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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180°
2191.0
2273.3
2393.2
2531.4
2688.9
2868.8
3090.3
3331.2
3462.3
3394.2
3211.3
3025.3
2862.7
2707.2
2539.5
2360.7
2202.1
2165.6
2068.0
1897.3
1622.9
1398.3
1322.1
1260.1
1227.6
1156.5
1074.1
974.6
872.9
773.3
670.7
530.5
395.3
283.5
146.3
57.9
0.0

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