

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: P847683

Luminaire Tested: **GLAN-SB3D-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847683
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-SB3D-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19490 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

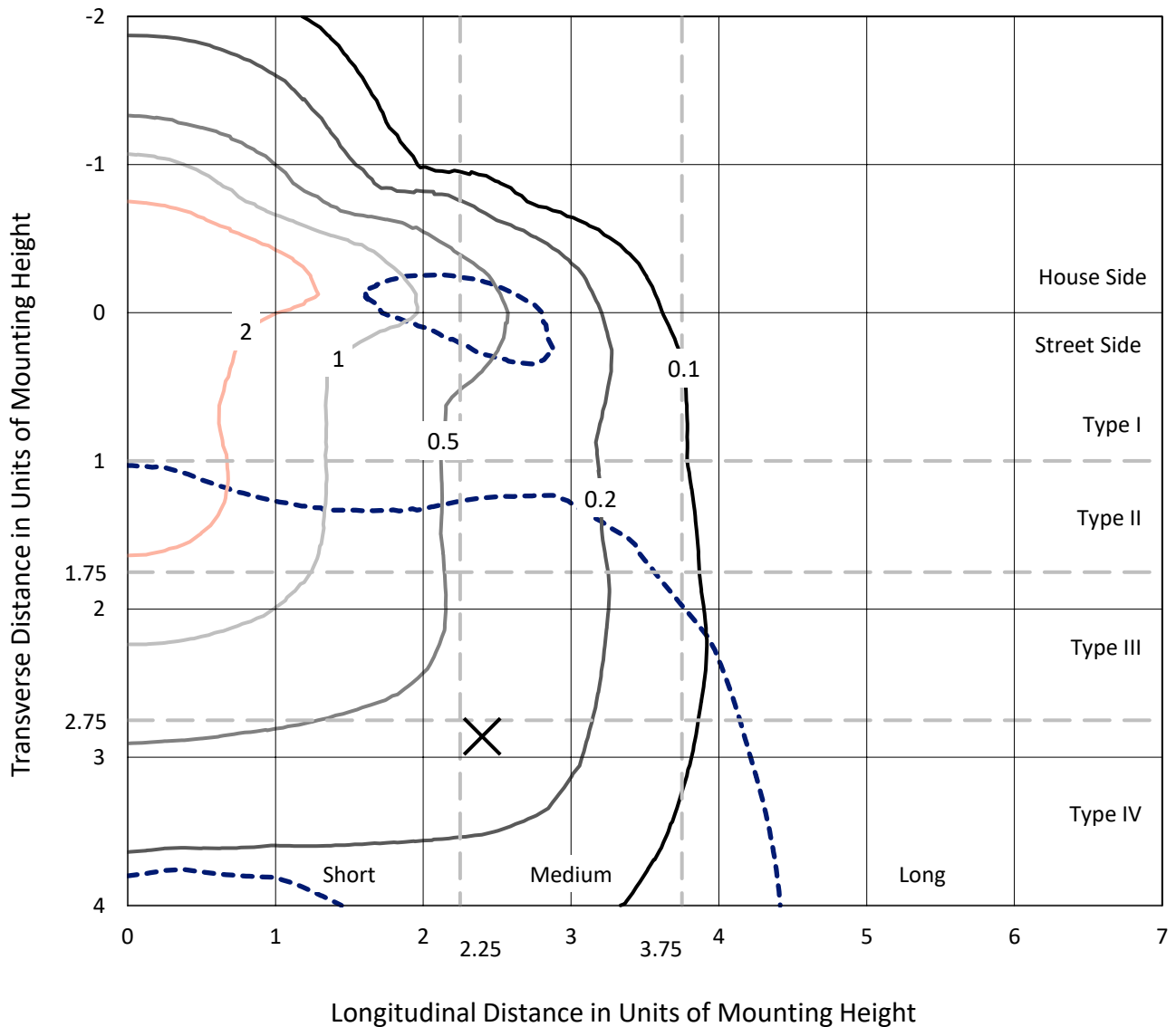
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

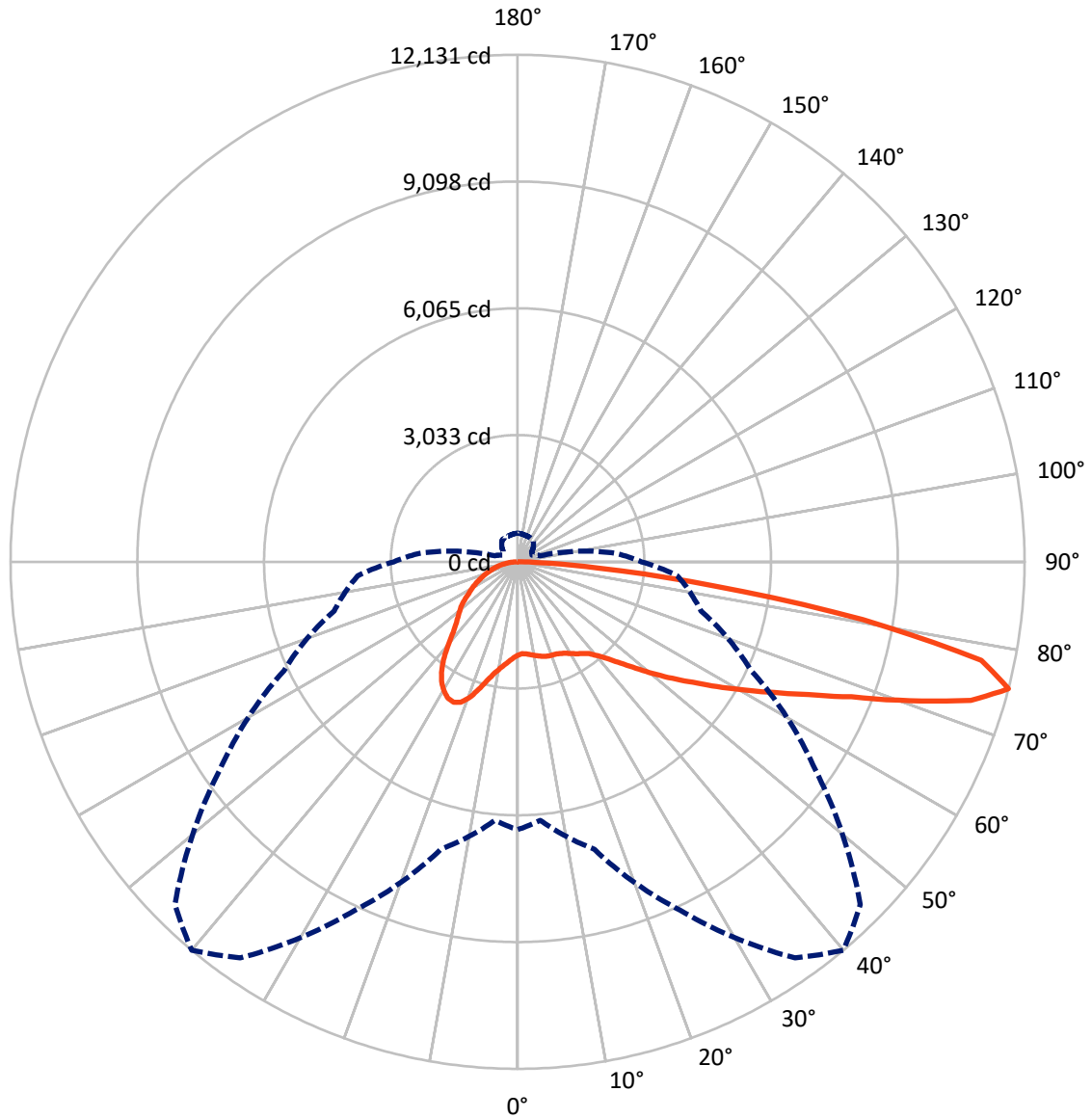
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	6038.7	0.0	6038.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	13451.3	0.0	13451.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	19490.0	0.0	19490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.5	1.1
10°-20°	746.9	3.8
20°-30°	1363.8	7.0
30°-40°	1934.3	9.9
40°-50°	2611.9	13.4
50°-60°	3513.7	18.0
60°-70°	4459.6	22.9
70°-80°	4047.4	20.8
80°-90°	590.0	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°	19490.0	100.0
0°-180°	19490.0	100.0

Coefficient of Utilization

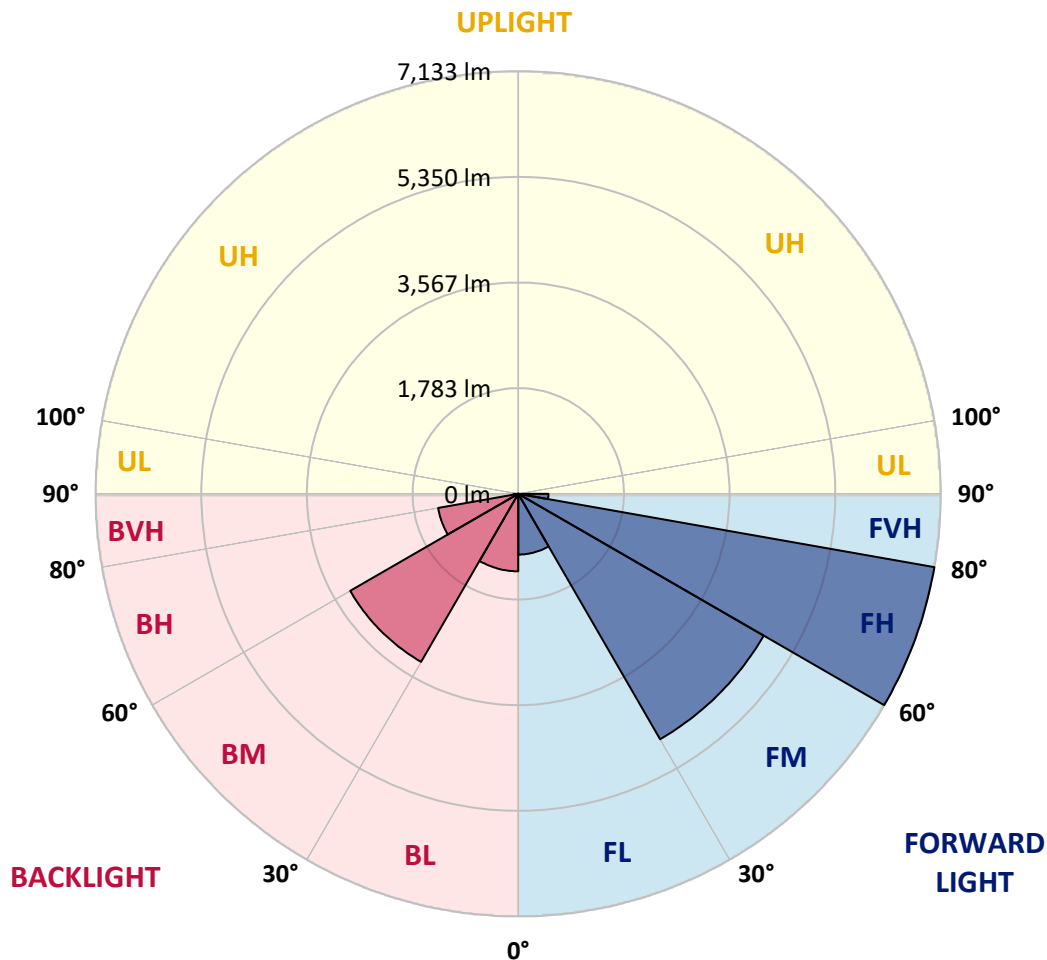


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1025.2	5.3			
FM (30°-60°)	4784.4	24.5			
FH (60°-80°)	7133.0	36.6			G3/7500
FVH (80°-90°)	508.8	2.6			G4/750
BL (0°-30°)	1308.0	6.7	B3/2500		
BM (30°-60°)	3275.4	16.8	B3/5000		
BH (60°-80°)	1374.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	81.2	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°	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7
2.5°	2194.6	2207.0	2203.9	2199.8	2199.8	2200.8	2199.8	2207.0	2214.2	2221.5
5°	2217.3	2229.7	2223.5	2218.4	2214.2	2213.2	2210.1	2209.1	2213.2	2222.5
7.5°	2261.8	2274.2	2264.9	2255.6	2247.3	2243.2	2239.0	2232.8	2229.7	2234.9
10°	2311.4	2323.8	2312.4	2295.9	2282.5	2277.3	2273.2	2267.0	2262.8	2265.9
12.5°	2361.0	2373.4	2357.9	2335.2	2317.6	2314.5	2309.3	2307.3	2306.2	2305.2
15°	2407.5	2417.9	2398.2	2371.4	2352.8	2347.6	2342.4	2345.5	2350.7	2356.9
17.5°	2443.7	2454.1	2425.1	2390.0	2372.4	2370.3	2367.2	2377.6	2392.0	2407.5
20°	2476.8	2487.1	2449.9	2402.4	2381.7	2381.7	2382.7	2404.4	2425.1	2447.9
22.5°	2523.3	2531.6	2486.1	2421.0	2391.0	2393.1	2401.3	2423.0	2448.9	2479.9
25°	2592.6	2598.8	2543.0	2456.1	2422.0	2428.2	2435.5	2445.8	2470.6	2506.8
27.5°	2704.2	2709.4	2636.0	2518.1	2466.5	2476.8	2487.1	2479.9	2491.3	2522.3
30°	2861.3	2864.4	2771.4	2615.3	2541.9	2547.1	2549.2	2519.2	2497.5	2522.3
32.5°	3047.4	3046.4	2935.8	2733.2	2627.7	2622.6	2605.0	2546.1	2495.4	2517.1
35°	3335.8	3324.5	3181.8	2898.6	2724.9	2692.8	2651.5	2576.0	2505.7	2511.9
37.5°	3813.4	3778.3	3580.8	3169.4	2869.6	2788.0	2727.0	2624.6	2528.5	2509.9
40°	4352.0	4307.5	4090.4	3540.5	3086.7	2955.4	2857.2	2693.9	2565.7	2519.2
42.5°	4990.8	4927.8	4694.1	3977.8	3361.7	3171.5	3023.6	2781.7	2620.5	2549.2
45°	5775.4	5691.7	5360.9	4470.9	3708.0	3454.7	3257.3	2915.1	2704.2	2607.1
47.5°	6568.3	6589.0	6118.6	5035.3	4123.5	3804.1	3549.8	3115.6	2826.2	2700.1
50°	7410.8	7425.2	6872.2	5660.7	4594.9	4199.0	3878.5	3340.0	2995.7	2832.4
52.5°	8068.2	8070.3	7556.5	6315.0	5085.9	4633.1	4233.1	3596.3	3192.1	3008.1
55°	8479.6	8474.5	8036.2	6934.2	5650.3	5089.0	4625.9	3887.8	3432.0	3214.9
57.5°	8778.4	8762.9	8367.0	7466.6	6252.0	5627.6	5070.4	4218.6	3715.2	3460.9
60°	8892.1	8882.8	8591.3	7926.6	6884.6	6223.0	5583.1	4588.7	4036.7	3751.4
62.5°	8935.5	8953.1	8811.5	8372.1	7561.7	6882.5	6146.5	5031.1	4398.5	4080.1
65°	9088.5	9120.5	9091.6	8955.1	8326.6	7654.7	6893.9	5557.3	4793.4	4432.6
67.5°	9391.4	9423.4	9435.8	9652.9	9261.1	8617.1	7826.3	6212.7	5255.4	4798.5
70°	9384.1	9374.8	9594.0	10208.0	10431.3	9949.6	9083.3	7019.0	5806.4	5102.5
72.5°	8541.7	8467.2	8985.1	10201.8	11405.1	11341.0	10618.4	8058.9	6281.9	5139.7
75°	6408.1	6209.6	7124.4	9193.9	11567.4	12130.7	11594.2	8704.0	6169.3	4541.1
77.5°	2740.4	2540.9	3619.1	6806.0	10352.7	11339.9	10699.0	7593.7	4924.7	3003.0
80°	717.4	716.4	1093.7	3085.7	7040.7	8374.2	7346.7	4904.0	2813.8	1073.0
82.5°	296.7	289.4	402.1	1200.2	3440.2	4699.3	3835.1	2187.4	1016.2	290.5
85°	110.6	109.6	195.4	414.5	1213.6	1938.2	1402.8	559.2	253.3	141.6
87.5°	31.0	30.0	42.4	143.7	295.6	448.6	239.8	92.0	71.3	55.8
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°
2228.7	0°	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7	2228.7
2232.8	2.5°	2235.9	2241.1	2250.4	2257.7	2267.0	2277.3	2291.8	2301.1	2310.4	2316.6
2238.0	5°	2245.2	2256.6	2280.4	2304.2	2332.1	2357.9	2387.9	2409.6	2427.2	2432.4
2256.6	7.5°	2265.9	2284.5	2324.8	2365.2	2409.6	2452.0	2495.4	2532.6	2562.6	2574.0
2289.7	10°	2302.1	2326.9	2383.8	2440.6	2499.5	2564.7	2620.5	2674.2	2716.6	2734.2
2329.0	12.5°	2347.6	2378.6	2453.0	2531.6	2613.3	2703.2	2775.5	2841.7	2894.4	2918.2
2383.8	15°	2406.5	2446.8	2541.9	2647.4	2767.3	2892.4	2984.4	3057.8	3116.7	3145.6
2440.6	17.5°	2470.6	2524.4	2644.3	2803.5	2975.1	3139.4	3246.9	3300.7	3361.7	3389.6
2493.3	20°	2532.6	2598.8	2770.4	3001.9	3230.4	3405.1	3491.9	3506.4	3510.5	3513.6
2543.0	22.5°	2596.7	2685.6	2928.5	3252.1	3497.1	3618.0	3630.4	3568.4	3481.6	3441.3
2591.5	25°	2667.0	2784.9	3135.3	3528.1	3726.6	3741.0	3645.9	3495.0	3330.7	3255.2
2630.8	27.5°	2735.2	2899.6	3383.4	3791.7	3892.0	3764.8	3560.1	3346.2	3147.7	3068.1
2658.7	30°	2803.5	3030.9	3657.3	4022.2	3967.4	3705.9	3424.7	3185.9	2986.4	2902.7
2683.5	32.5°	2872.7	3183.9	3972.6	4188.6	3954.0	3580.8	3256.2	3006.1	2830.3	2742.5
2705.3	35°	2951.3	3372.0	4271.3	4279.6	3864.1	3396.8	3034.0	2791.1	2638.1	2567.8
2731.1	37.5°	3053.6	3610.8	4534.9	4302.4	3706.9	3127.0	2758.0	2536.8	2410.6	2378.6
2769.3	40°	3180.8	3898.2	4736.5	4266.2	3474.3	2799.3	2456.1	2279.4	2208.0	2215.3
2821.0	42.5°	3346.2	4219.7	4878.1	4173.1	3150.8	2461.3	2191.5	2112.9	2147.0	2176.0
2898.6	45°	3561.2	4553.6	4966.0	4015.0	2784.9	2175.0	2035.4	2054.0	2079.9	2083.0
3023.6	47.5°	3836.1	4891.6	5023.9	3776.2	2411.7	1973.4	1936.2	1940.3	1935.1	1913.4
3210.7	50°	4179.3	5220.3	5075.6	3459.9	2094.3	1847.3	1797.6	1783.2	1711.8	1641.6
3459.9	52.5°	4570.1	5522.1	5097.3	3067.1	1847.3	1741.8	1661.2	1570.2	1436.9	1415.2
3773.1	55°	5004.3	5801.3	5041.5	2584.3	1639.5	1606.4	1484.4	1374.9	1360.4	1341.8
4185.5	57.5°	5523.2	6102.1	4927.8	2045.7	1426.5	1448.2	1329.4	1341.8	1315.9	1287.0
4715.8	60°	6090.7	6413.2	4728.3	1554.7	1206.4	1250.8	1289.1	1288.0	1280.8	1257.0
5275.1	62.5°	6601.4	6617.9	4335.4	1190.8	1013.0	1097.8	1202.2	1201.2	1195.0	1181.5
5859.1	65°	6905.3	6586.9	3680.1	937.6	853.9	971.7	1084.4	1092.6	1093.7	1092.6
6298.5	67.5°	6851.5	6224.0	2780.7	746.3	722.6	843.5	967.6	978.9	987.2	989.3
6354.3	70°	6243.7	5427.0	1813.2	595.4	605.8	730.8	857.0	868.3	875.6	883.8
5513.9	72.5°	4866.8	3990.2	1037.9	481.7	503.4	633.7	747.4	760.8	765.0	780.5
3837.2	75°	2965.8	2346.6	560.3	379.4	413.5	541.7	638.8	654.3	661.6	680.2
1884.5	77.5°	1410.0	1016.2	319.4	295.6	332.9	442.4	539.6	557.2	537.5	547.9
520.0	80°	476.5	377.3	201.6	225.4	254.3	345.3	432.1	449.7	408.3	406.3
172.6	82.5°	166.4	153.0	128.2	149.9	164.4	247.1	326.7	349.4	303.9	302.9
77.5	85°	65.1	62.0	71.3	81.7	98.2	152.0	215.0	226.4	187.1	150.9
22.7	87.5°	13.4	14.5	17.6	18.6	30.0	52.7	77.5	95.1	75.5	64.1
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>
2228.7
2312.4
2434.4
2575.0
2735.2
2918.2
3143.6
3388.5
3521.9
3452.6
3266.6
3077.4
2912.0
2753.8
2583.3
2401.3
2240.1
2202.9
2103.6
1930.0
1650.9
1422.4
1344.9
1281.8
1248.7
1176.4
1092.6
991.3
888.0
786.7
682.3
539.6
402.1
288.4
148.9
58.9
0.0

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