

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: P846903

Luminaire Tested: **GLAN-SB2D-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846903
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-SB2D-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 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: 19486 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

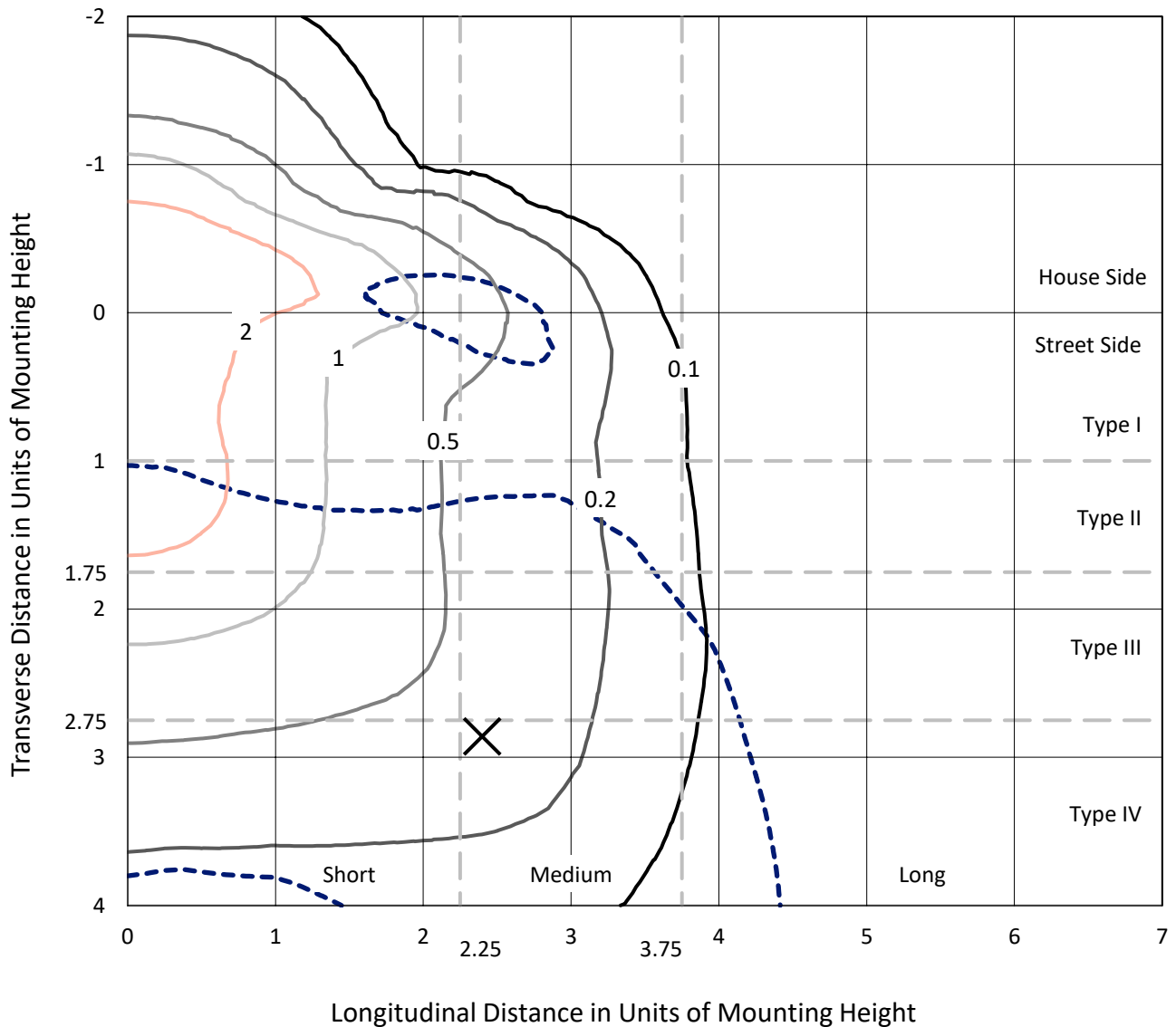
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

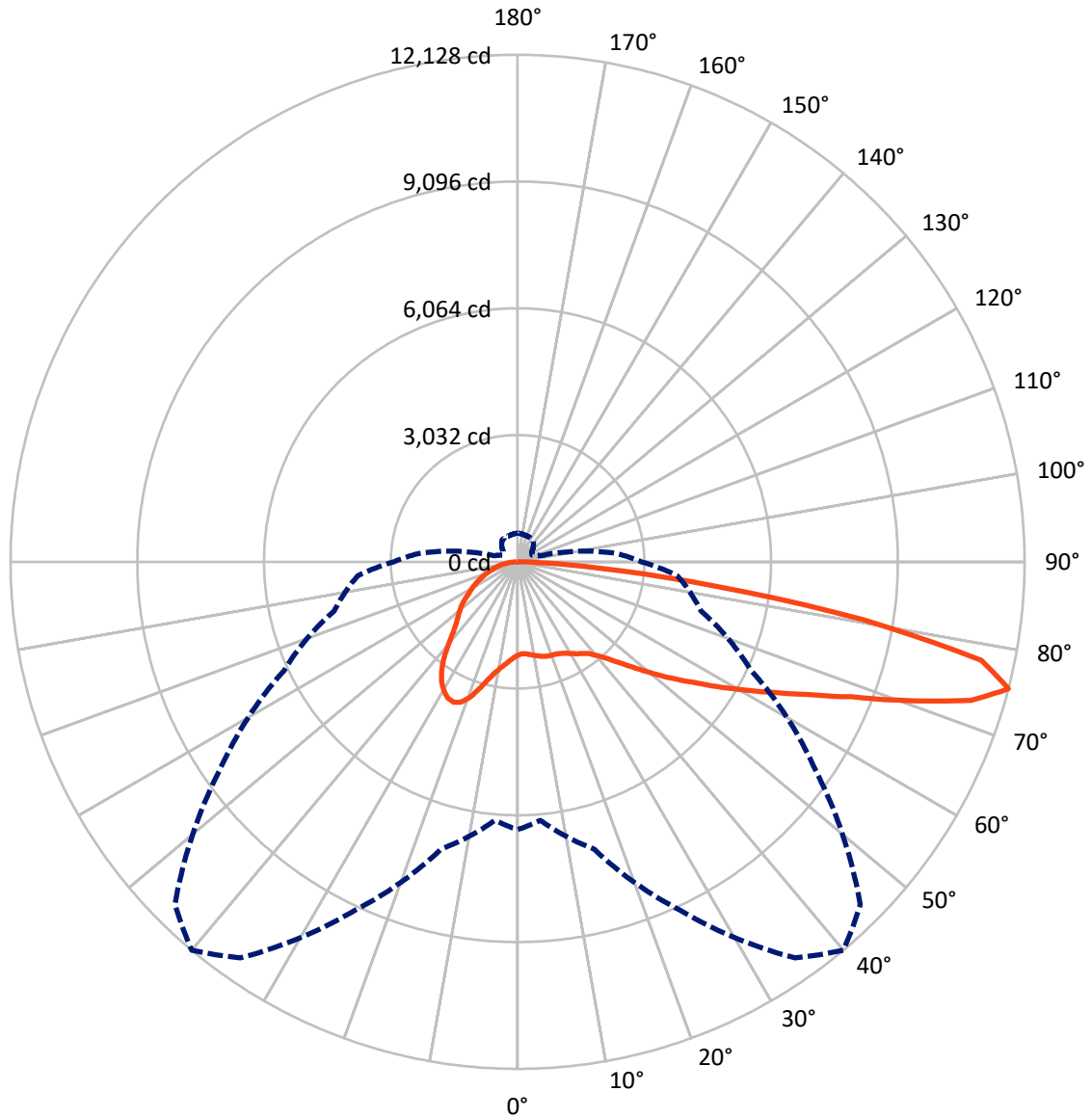
× Max cd
 - - - 1/2 Max cd



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	6037.4	0.0	6037.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	13448.6	0.0	13448.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	19486.0	0.0	19486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.4	1.1
10°-20°	746.8	3.8
20°-30°	1363.5	7.0
30°-40°	1933.9	9.9
40°-50°	2611.3	13.4
50°-60°	3512.9	18.0
60°-70°	4458.7	22.9
70°-80°	4046.6	20.8
80°-90°	589.9	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°	19486.0	100.0
0°-180°	19486.0	100.0

Coefficient of Utilization

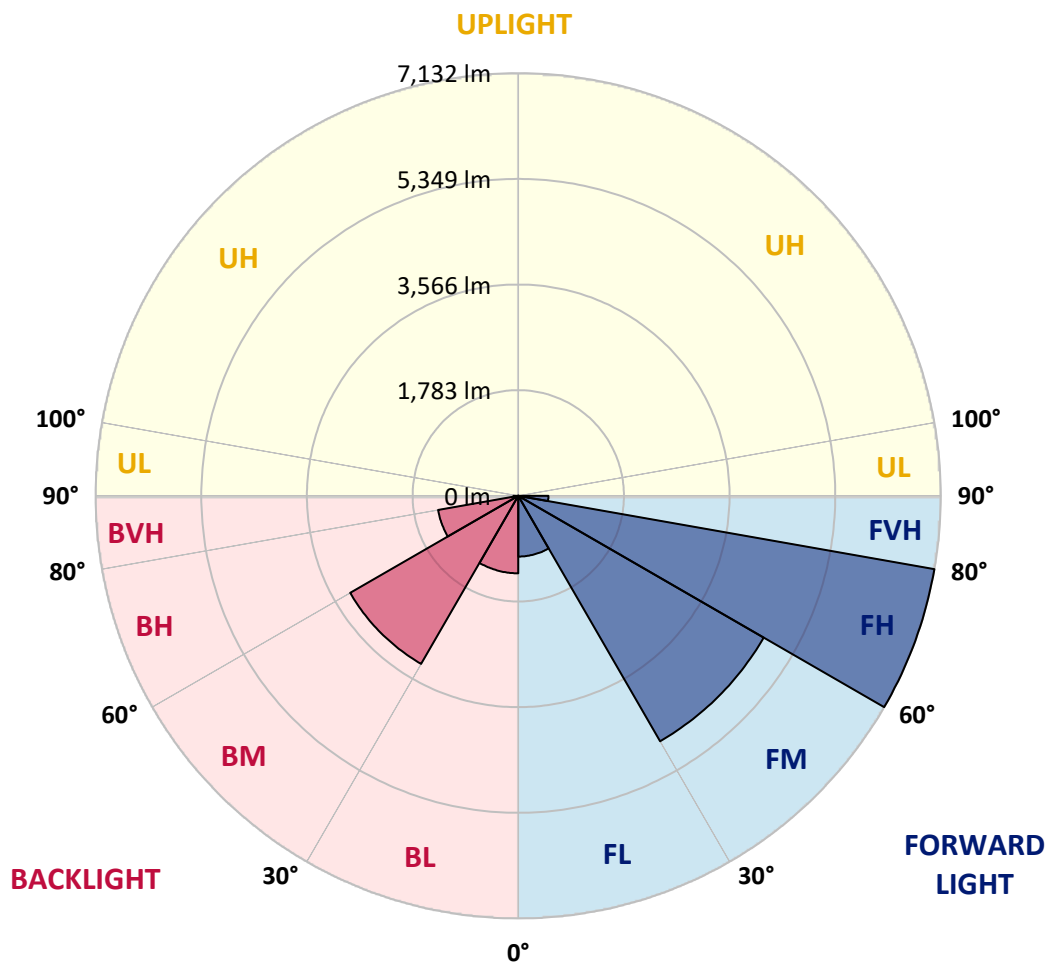


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1025.0	5.3			
FM (30°-60°)	4783.4	24.5			
FH (60°-80°)	7131.6	36.6			G3/7500
FVH (80°-90°)	508.6	2.6			G4/750
BL (0°-30°)	1307.8	6.7	B3/2500		
BM (30°-60°)	3274.8	16.8	B3/5000		
BH (60°-80°)	1373.7	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°	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3
2.5°	2194.1	2206.5	2203.4	2199.3	2199.3	2200.3	2199.3	2206.5	2213.8	2221.0
5°	2216.9	2229.3	2223.1	2217.9	2213.8	2212.7	2209.6	2208.6	2212.7	2222.0
7.5°	2261.3	2273.7	2264.4	2255.1	2246.9	2242.7	2238.6	2232.4	2229.3	2234.5
10°	2310.9	2323.3	2312.0	2295.4	2282.0	2276.8	2272.7	2266.5	2262.4	2265.5
12.5°	2360.5	2372.9	2357.4	2334.7	2317.1	2314.0	2308.9	2306.8	2305.8	2304.7
15°	2407.0	2417.4	2397.7	2370.9	2352.3	2347.1	2341.9	2345.0	2350.2	2356.4
17.5°	2443.2	2453.6	2424.6	2389.5	2371.9	2369.8	2366.7	2377.1	2391.5	2407.0
20°	2476.3	2486.6	2449.4	2401.9	2381.2	2381.2	2382.2	2403.9	2424.6	2447.4
22.5°	2522.8	2531.1	2485.6	2420.5	2390.5	2392.6	2400.8	2422.6	2448.4	2479.4
25°	2592.0	2598.2	2542.4	2455.6	2421.5	2427.7	2435.0	2445.3	2470.1	2506.3
27.5°	2703.7	2708.8	2635.5	2517.6	2466.0	2476.3	2486.6	2479.4	2490.8	2521.8
30°	2860.8	2863.9	2770.8	2614.8	2541.4	2546.6	2548.6	2518.7	2497.0	2521.8
32.5°	3046.8	3045.8	2935.2	2732.6	2627.2	2622.0	2604.4	2545.5	2494.9	2516.6
35°	3335.1	3323.8	3181.1	2898.0	2724.3	2692.3	2651.0	2575.5	2505.2	2511.4
37.5°	3812.6	3777.5	3580.1	3168.7	2869.0	2787.4	2726.4	2624.1	2528.0	2509.4
40°	4351.1	4306.6	4089.6	3539.8	3086.1	2954.8	2856.6	2693.3	2565.2	2518.7
42.5°	4989.8	4926.7	4693.2	3977.0	3361.0	3170.8	3023.0	2781.2	2620.0	2548.6
45°	5774.2	5690.5	5359.8	4469.9	3707.2	3454.0	3256.6	2914.5	2703.7	2606.5
47.5°	6566.9	6587.6	6117.4	5034.2	4122.7	3803.3	3549.1	3115.0	2825.6	2699.5
50°	7409.2	7423.7	6870.8	5659.5	4594.0	4198.1	3877.7	3339.3	2995.1	2831.8
52.5°	8066.6	8068.6	7555.0	6313.7	5084.9	4632.2	4232.2	3595.6	3191.5	3007.5
55°	8477.9	8472.7	8034.5	6932.8	5649.2	5088.0	4625.0	3887.0	3431.3	3214.2
57.5°	8776.6	8761.1	8365.2	7465.1	6250.7	5626.4	5069.4	4217.8	3714.4	3460.2
60°	8890.3	8881.0	8589.5	7925.0	6883.2	6221.7	5582.0	4587.8	4035.9	3750.6
62.5°	8933.7	8951.2	8809.6	8370.4	7560.1	6881.1	6145.3	5030.1	4397.6	4079.3
65°	9086.6	9118.7	9089.7	8953.3	8324.9	7653.2	6892.5	5556.2	4792.4	4431.7
67.5°	9389.4	9421.5	9433.9	9650.9	9259.2	8615.3	7824.7	6211.4	5254.4	4797.6
70°	9382.2	9372.9	9592.0	10205.9	10429.2	9947.5	9081.5	7017.5	5805.2	5101.4
72.5°	8539.9	8465.5	8983.3	10199.7	11402.7	11338.7	10616.2	8057.3	6280.6	5138.6
75°	6406.7	6208.3	7123.0	9192.0	11565.0	12128.3	11591.9	8702.2	6168.0	4540.2
77.5°	2739.8	2540.4	3618.3	6804.6	10350.6	11337.6	10696.8	7592.2	4923.6	3002.3
80°	717.3	716.2	1093.5	3085.0	7039.2	8372.5	7345.2	4903.0	2813.2	1072.8
82.5°	296.6	289.4	402.0	1199.9	3439.5	4698.3	3834.3	2186.9	1015.9	290.4
85°	110.6	109.6	195.3	414.4	1213.3	1937.8	1402.5	559.1	253.2	141.6
87.5°	31.0	30.0	42.4	143.7	295.6	448.5	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°
2228.3	0°	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3	2228.3
2232.4	2.5°	2235.5	2240.7	2250.0	2257.2	2266.5	2276.8	2291.3	2300.6	2309.9	2316.1
2237.6	5°	2244.8	2256.2	2279.9	2303.7	2331.6	2357.4	2387.4	2409.1	2426.7	2431.9
2256.2	7.5°	2265.5	2284.1	2324.4	2364.7	2409.1	2451.5	2494.9	2532.1	2562.1	2573.4
2289.2	10°	2301.6	2326.4	2383.3	2440.1	2499.0	2564.1	2620.0	2673.7	2716.1	2733.6
2328.5	12.5°	2347.1	2378.1	2452.5	2531.1	2612.7	2702.6	2775.0	2841.1	2893.8	2917.6
2383.3	15°	2406.0	2446.3	2541.4	2646.8	2766.7	2891.8	2983.7	3057.1	3116.0	3145.0
2440.1	17.5°	2470.1	2523.8	2643.7	2802.9	2974.4	3138.8	3246.3	3300.0	3361.0	3388.9
2492.8	20°	2532.1	2598.2	2769.8	3001.3	3229.7	3404.4	3491.2	3505.7	3509.8	3512.9
2542.4	22.5°	2596.2	2685.1	2927.9	3251.4	3496.4	3617.3	3629.7	3567.7	3480.9	3440.6
2591.0	25°	2666.5	2784.3	3134.6	3527.4	3725.8	3740.3	3645.2	3494.3	3330.0	3254.5
2630.3	27.5°	2734.7	2899.0	3382.7	3790.9	3891.2	3764.0	3559.4	3345.5	3147.0	3067.5
2658.2	30°	2802.9	3030.3	3656.6	4021.4	3966.6	3705.1	3424.0	3185.3	2985.8	2902.1
2683.0	32.5°	2872.1	3183.2	3971.8	4187.8	3953.2	3580.1	3255.6	3005.5	2829.8	2741.9
2704.7	35°	2950.7	3371.3	4270.5	4278.7	3863.3	3396.1	3033.4	2790.5	2637.5	2567.2
2730.5	37.5°	3053.0	3610.1	4534.0	4301.5	3706.2	3126.4	2757.4	2536.2	2410.1	2378.1
2768.8	40°	3180.1	3897.4	4735.5	4265.3	3473.6	2798.7	2455.6	2278.9	2207.6	2214.8
2820.5	42.5°	3345.5	4218.8	4877.1	4172.3	3150.1	2460.8	2191.0	2112.5	2146.6	2175.5
2898.0	45°	3560.4	4552.6	4965.0	4014.2	2784.3	2174.5	2035.0	2053.6	2079.4	2082.5
3023.0	47.5°	3835.4	4890.6	5022.9	3775.4	2411.2	1973.0	1935.8	1939.9	1934.7	1913.0
3210.1	50°	4178.5	5219.2	5074.5	3459.2	2093.9	1846.9	1797.3	1782.8	1711.5	1641.2
3459.2	52.5°	4569.2	5521.0	5096.2	3066.4	1846.9	1741.5	1660.9	1569.9	1436.6	1414.9
3772.3	55°	5003.2	5800.1	5040.4	2583.8	1639.1	1606.1	1484.1	1374.6	1360.1	1341.5
4184.7	57.5°	5522.1	6100.8	4926.7	2045.3	1426.2	1447.9	1329.1	1341.5	1315.7	1286.7
4714.9	60°	6089.4	6411.9	4727.3	1554.4	1206.1	1250.5	1288.8	1287.8	1280.5	1256.7
5274.0	62.5°	6600.0	6616.5	4334.5	1190.6	1012.8	1097.6	1202.0	1200.9	1194.7	1181.3
5857.9	65°	6903.9	6585.5	3679.3	937.4	853.7	971.5	1084.2	1092.4	1093.5	1092.4
6297.2	67.5°	6850.1	6222.8	2780.1	746.2	722.4	843.3	967.4	978.7	987.0	989.1
6353.0	70°	6242.4	5425.9	1812.8	595.3	605.6	730.7	856.8	868.1	875.4	883.7
5512.7	72.5°	4865.8	3989.4	1037.6	481.6	503.3	633.5	747.2	760.7	764.8	780.3
3836.4	75°	2965.1	2346.1	560.2	379.3	413.4	541.6	638.7	654.2	661.4	680.1
1884.1	77.5°	1409.7	1015.9	319.4	295.6	332.8	442.3	539.5	557.1	537.4	547.8
519.9	80°	476.4	377.2	201.5	225.3	254.2	345.2	432.0	449.6	408.2	406.2
172.6	82.5°	166.4	153.0	128.2	149.9	164.3	247.0	326.6	349.3	303.9	302.8
77.5	85°	65.1	62.0	71.3	81.6	98.2	151.9	215.0	226.3	187.1	150.9
22.7	87.5°	13.4	14.5	17.6	18.6	30.0	52.7	77.5	95.1	75.4	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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180°
2228.3
2312.0
2433.9
2574.5
2734.7
2917.6
3142.9
3387.8
3521.2
3451.9
3265.9
3076.8
2911.4
2753.3
2582.7
2400.8
2239.6
2202.4
2103.2
1929.6
1650.5
1422.1
1344.6
1281.6
1248.5
1176.1
1092.4
991.1
887.8
786.5
682.1
539.5
402.0
288.3
148.8
58.9
0.0

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