

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: P847693

Luminaire Tested: **GLAN-SB3D-930-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847693  
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-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 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: 20418 lumens  
Efficiency: N/A  
Efficacy: 93.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

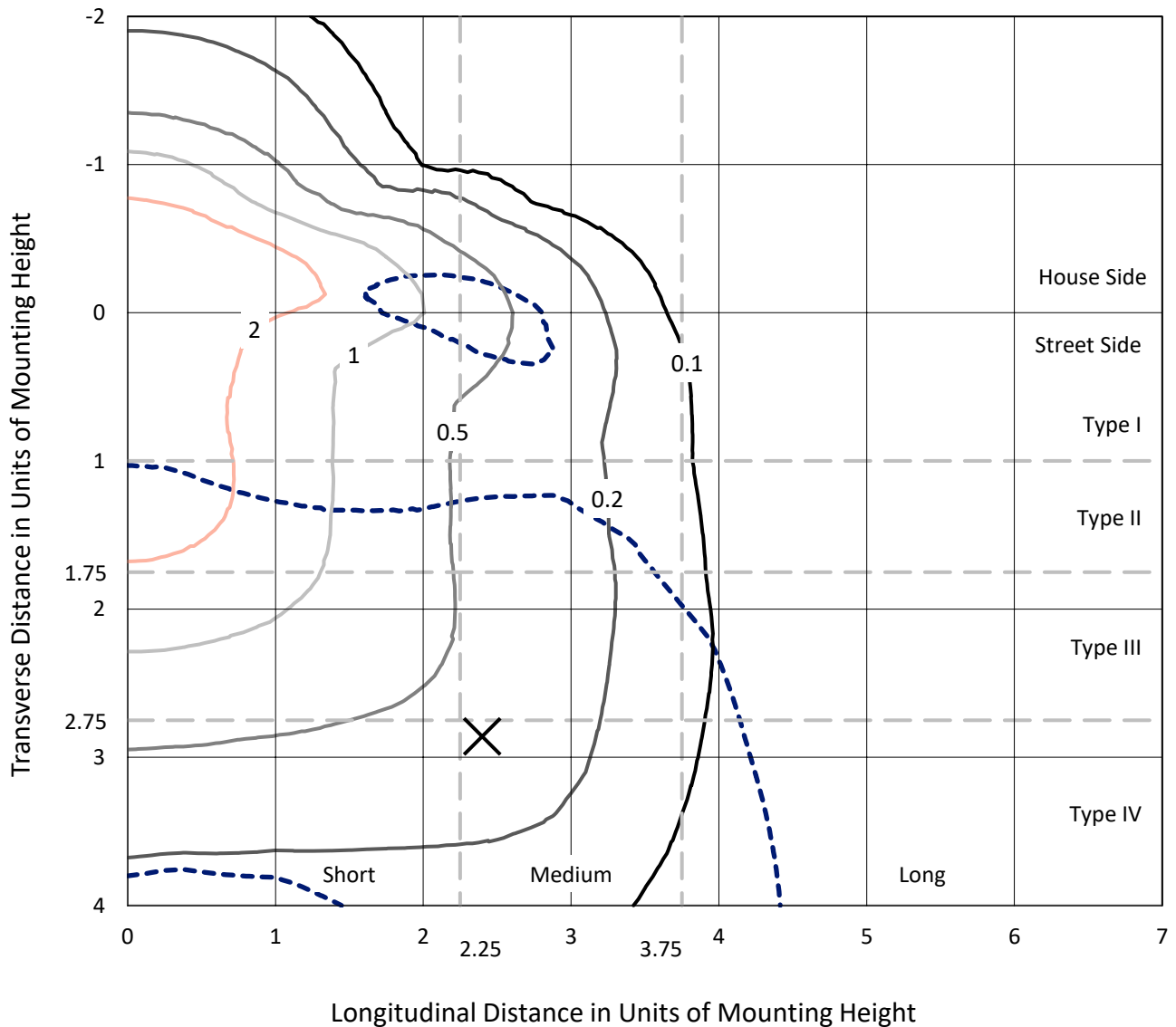
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

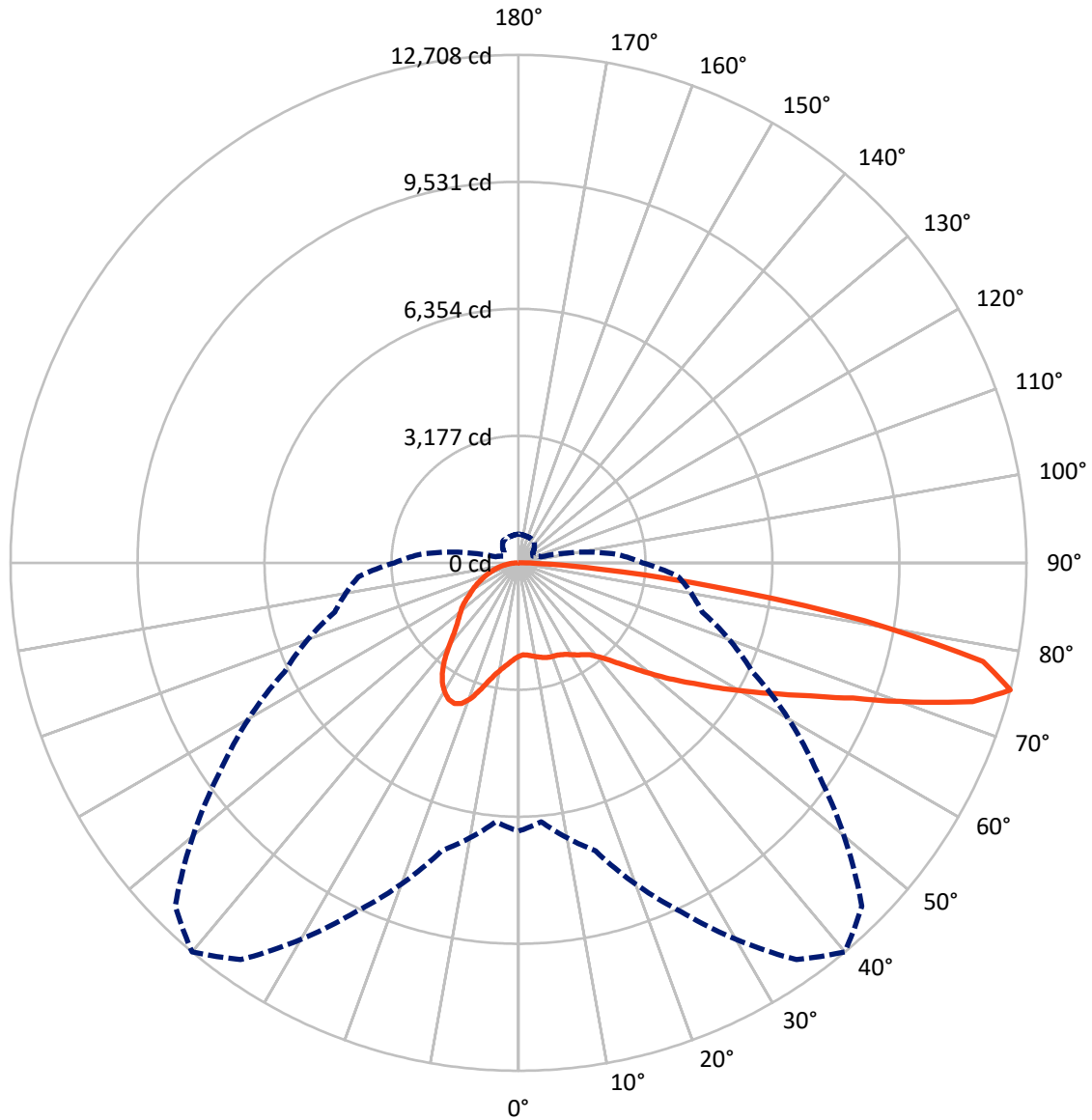
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 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
<b>House Side</b>	Lumens	6326.2	0.0	6326.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	14091.8	0.0	14091.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	20418.0	0.0	20418.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.1	1.1
10°-20°	782.5	3.8
20°-30°	1428.8	7.0
30°-40°	2026.4	9.9
40°-50°	2736.2	13.4
50°-60°	3681.0	18.0
60°-70°	4672.0	22.9
70°-80°	4240.1	20.8
80°-90°	618.1	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°	20418.0	100.0
0°-180°	20418.0	100.0

**Coefficient of Utilization**

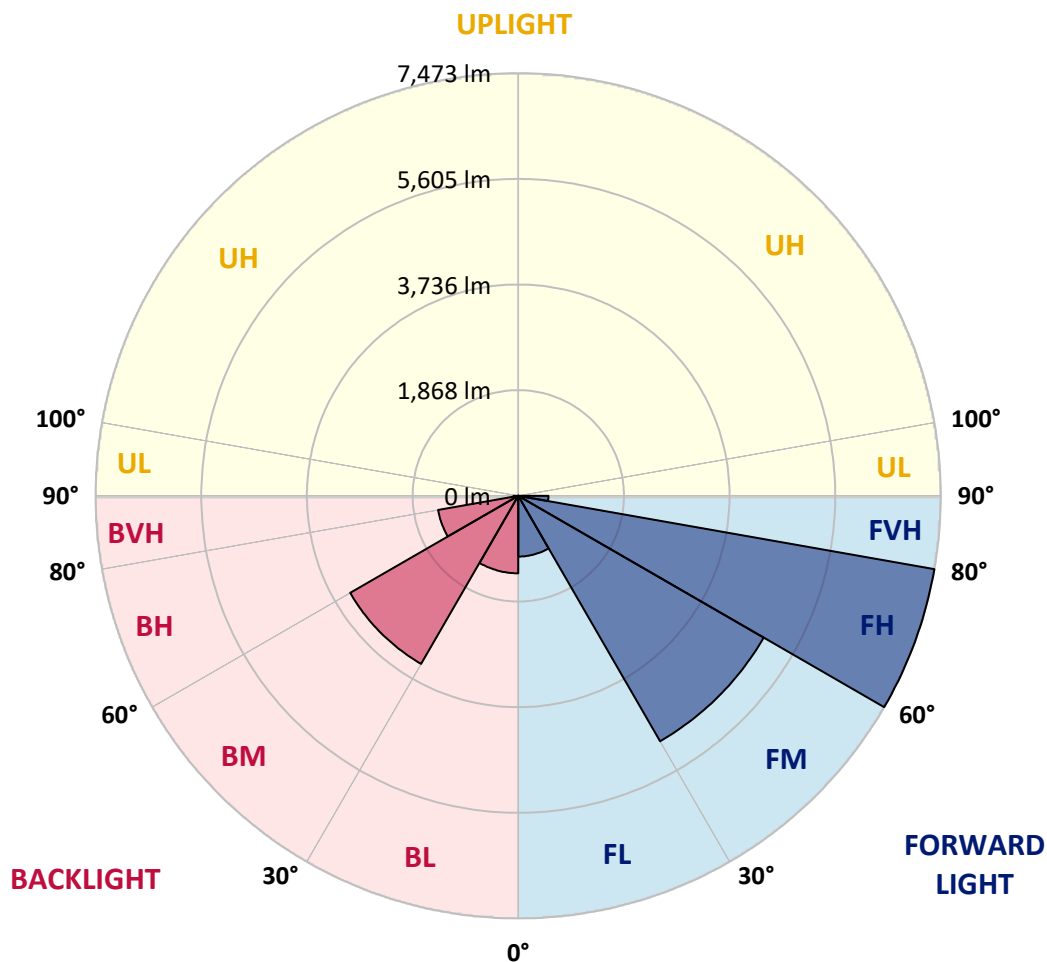


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1074.0	5.3			
FM (30°-60°)	5012.2	24.5			
FH (60°-80°)	7472.7	36.6			G3/7500
FVH (80°-90°)	533.0	2.6			G4/750
BL (0°-30°)	1370.3	6.7	B3/2500		
BM (30°-60°)	3431.4	16.8	B3/5000		
BH (60°-80°)	1439.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	85.1	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°	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8
2.5°	2299.1	2312.1	2308.8	2304.5	2304.5	2305.6	2304.5	2312.1	2319.7	2327.2
5°	2322.9	2335.9	2329.4	2324.0	2319.7	2318.6	2315.3	2314.2	2318.6	2328.3
7.5°	2369.5	2382.5	2372.7	2363.0	2354.3	2350.0	2345.7	2339.2	2335.9	2341.3
10°	2421.5	2434.5	2422.5	2405.2	2391.1	2385.7	2381.4	2374.9	2370.6	2373.8
12.5°	2473.4	2486.4	2470.2	2446.4	2428.0	2424.7	2419.3	2417.1	2416.0	2415.0
15°	2522.2	2533.0	2512.4	2484.3	2464.8	2459.4	2453.9	2457.2	2462.6	2469.1
17.5°	2560.1	2570.9	2540.6	2503.8	2485.4	2483.2	2479.9	2490.8	2505.9	2522.2
20°	2594.7	2605.6	2566.6	2516.8	2495.1	2495.1	2496.2	2518.9	2540.6	2564.4
22.5°	2643.5	2652.1	2604.5	2536.3	2504.8	2507.0	2515.7	2538.4	2565.5	2598.0
25°	2716.0	2722.5	2664.0	2573.1	2537.3	2543.8	2551.4	2562.2	2588.2	2626.1
27.5°	2833.0	2838.4	2761.5	2638.0	2583.9	2594.7	2605.6	2598.0	2609.9	2642.4
30°	2997.6	3000.8	2903.4	2739.8	2663.0	2668.4	2670.5	2639.1	2616.4	2642.4
32.5°	3192.5	3191.4	3075.6	2863.3	2752.8	2747.4	2729.0	2667.3	2614.2	2637.0
35°	3494.7	3482.7	3333.3	3036.6	2854.6	2821.1	2777.7	2698.7	2625.1	2631.6
37.5°	3995.0	3958.2	3751.3	3320.3	3006.3	2920.7	2856.8	2749.6	2648.9	2629.4
40°	4559.2	4512.6	4285.2	3709.1	3233.7	3096.1	2993.3	2822.1	2687.9	2639.1
42.5°	5228.4	5162.4	4917.6	4167.2	3521.7	3322.5	3167.6	2914.2	2745.3	2670.5
45°	6050.4	5962.7	5616.1	4683.7	3884.5	3619.2	3412.4	3053.9	2833.0	2731.2
47.5°	6881.0	6902.7	6409.9	5275.0	4319.9	3985.2	3718.8	3264.0	2960.8	2828.6
50°	7763.6	7778.8	7199.4	5930.2	4813.7	4398.9	4063.2	3499.0	3138.4	2967.3
52.5°	8452.4	8454.5	7916.3	6615.7	5328.1	4853.8	4434.7	3767.6	3344.1	3151.4
55°	8883.4	8878.0	8418.8	7264.4	5919.4	5331.3	4846.2	4072.9	3595.4	3368.0
57.5°	9196.4	9180.1	8765.3	7822.1	6549.6	5895.5	5311.8	4419.5	3892.1	3625.7
60°	9315.5	9305.7	9000.3	8304.0	7212.4	6519.3	5849.0	4807.2	4228.9	3930.0
62.5°	9361.0	9379.4	9231.0	8770.8	7921.7	7210.2	6439.2	5270.7	4607.9	4274.4
65°	9521.2	9554.8	9524.5	9381.5	8723.1	8019.2	7222.1	5821.9	5021.6	4643.7
67.5°	9838.5	9872.1	9885.1	10112.5	9702.1	9027.4	8199.0	6508.5	5505.7	5027.0
70°	9831.0	9821.2	10050.8	10694.1	10928.0	10423.3	9515.8	7353.2	6082.9	5345.4
72.5°	8948.4	8870.4	9412.9	10687.6	11948.1	11881.0	11124.0	8442.6	6581.0	5384.4
75°	6713.2	6505.2	7463.6	9631.7	12118.1	12708.3	12146.3	9118.4	6463.0	4757.4
77.5°	2870.9	2661.9	3791.4	7130.1	10845.7	11879.9	11208.5	7955.3	5159.1	3145.9
80°	751.6	750.5	1145.8	3232.6	7375.9	8772.9	7696.5	5137.5	2947.8	1124.1
82.5°	310.8	303.2	421.3	1257.3	3604.0	4923.1	4017.7	2291.5	1064.5	304.3
85°	115.9	114.8	204.7	434.3	1271.4	2030.5	1469.6	585.9	265.3	148.4
87.5°	32.5	31.4	44.4	150.5	309.7	470.0	251.2	96.4	74.7	58.5
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°
2334.8	0°	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8	2334.8
2339.2	2.5°	2342.4	2347.8	2357.6	2365.1	2374.9	2385.7	2400.9	2410.6	2420.4	2426.9
2344.6	5°	2352.2	2364.1	2389.0	2413.9	2443.1	2470.2	2501.6	2524.3	2542.8	2548.2
2364.1	7.5°	2373.8	2393.3	2435.5	2477.8	2524.3	2568.7	2614.2	2653.2	2684.6	2696.5
2398.7	10°	2411.7	2437.7	2497.3	2556.8	2618.6	2686.8	2745.3	2801.6	2846.0	2864.4
2439.9	12.5°	2459.4	2491.9	2569.8	2652.1	2737.7	2831.9	2907.7	2977.0	3032.2	3057.1
2497.3	15°	2521.1	2563.3	2663.0	2773.4	2899.0	3030.1	3126.5	3203.3	3265.1	3295.4
2556.8	17.5°	2588.2	2644.5	2770.2	2936.9	3116.7	3288.9	3401.5	3457.8	3521.7	3551.0
2612.1	20°	2653.2	2722.5	2902.3	3144.9	3384.2	3567.2	3658.2	3673.3	3677.7	3680.9
2664.0	22.5°	2720.4	2813.5	3068.0	3406.9	3663.6	3790.3	3803.3	3738.3	3647.4	3605.1
2714.9	25°	2794.0	2917.4	3284.6	3696.1	3904.0	3919.2	3819.5	3661.4	3489.2	3410.2
2756.1	27.5°	2865.5	3037.7	3544.5	3972.2	4077.3	3944.1	3729.7	3505.5	3297.6	3214.2
2785.3	30°	2936.9	3175.2	3831.5	4213.7	4156.3	3882.4	3587.8	3337.6	3128.6	3040.9
2811.3	32.5°	3009.5	3335.5	4161.8	4388.1	4142.3	3751.3	3411.3	3149.2	2965.1	2873.0
2834.1	35°	3091.8	3532.6	4474.7	4483.4	4048.0	3558.6	3178.4	2923.9	2763.7	2690.0
2861.1	37.5°	3199.0	3782.7	4750.9	4507.2	3883.4	3275.9	2889.3	2657.5	2525.4	2491.9
2901.2	40°	3332.2	4083.8	4962.0	4469.3	3639.8	2932.6	2573.1	2387.9	2313.2	2320.7
2955.4	42.5°	3505.5	4420.6	5110.4	4371.8	3300.8	2578.5	2295.8	2213.5	2249.3	2279.6
3036.6	45°	3730.7	4770.4	5202.5	4206.2	2917.4	2278.5	2132.3	2151.8	2178.9	2182.1
3167.6	47.5°	4018.8	5124.5	5263.1	3956.0	2526.5	2067.3	2028.4	2032.7	2027.3	2004.5
3363.6	50°	4378.3	5468.9	5317.3	3624.6	2194.0	1935.2	1883.2	1868.1	1793.4	1719.7
3624.6	52.5°	4787.7	5785.1	5340.0	3213.1	1935.2	1824.8	1740.3	1645.0	1505.3	1482.5
3952.7	55°	5242.5	6077.5	5281.5	2707.4	1717.5	1682.9	1555.1	1440.3	1425.2	1405.7
4384.8	57.5°	5786.2	6392.6	5162.4	2143.1	1494.5	1517.2	1392.7	1405.7	1378.6	1348.3
4940.4	60°	6380.7	6718.6	4953.4	1628.7	1263.8	1310.4	1350.4	1349.3	1341.8	1316.9
5526.3	62.5°	6915.7	6933.0	4541.9	1247.6	1061.3	1150.1	1259.5	1258.4	1251.9	1237.8
6138.1	65°	7234.1	6900.5	3855.3	982.2	894.5	1018.0	1136.0	1144.7	1145.8	1144.7
6598.4	67.5°	7177.7	6520.4	2913.1	781.9	757.0	883.7	1013.6	1025.5	1034.2	1036.4
6656.9	70°	6541.0	5685.5	1899.5	623.8	634.6	765.6	897.8	909.7	917.3	925.9
5776.4	72.5°	5098.5	4180.2	1087.3	504.7	527.4	663.8	783.0	797.0	801.4	817.6
4019.9	75°	3107.0	2458.3	587.0	397.4	433.2	567.5	669.3	685.5	693.1	712.6
1974.2	77.5°	1477.1	1064.5	334.6	309.7	348.7	463.5	565.3	583.7	563.1	574.0
544.7	80°	499.2	395.3	211.2	236.1	266.4	361.7	452.7	471.1	427.8	425.6
180.9	82.5°	174.4	160.3	134.3	157.0	172.2	258.8	342.2	366.0	318.4	317.3
81.2	85°	68.2	65.0	74.7	85.6	102.9	159.2	225.3	237.2	196.0	158.1
23.8	87.5°	14.1	15.2	18.4	19.5	31.4	55.2	81.2	99.6	79.1	67.1
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°
2334.8
2422.5
2550.3
2697.6
2865.5
3057.1
3293.2
3549.9
3689.6
3617.0
3422.1
3223.9
3050.7
2885.0
2706.3
2515.7
2346.7
2307.8
2203.8
2021.9
1729.5
1490.1
1408.9
1342.8
1308.2
1232.4
1144.7
1038.5
930.2
824.1
714.7
565.3
421.3
302.1
155.9
61.7
0.0

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