

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: P848503

Luminaire Tested: **GLAN-SB5A-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848503  
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-SB5A-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 18598 lumens  
Efficiency: N/A  
Efficacy: 131.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

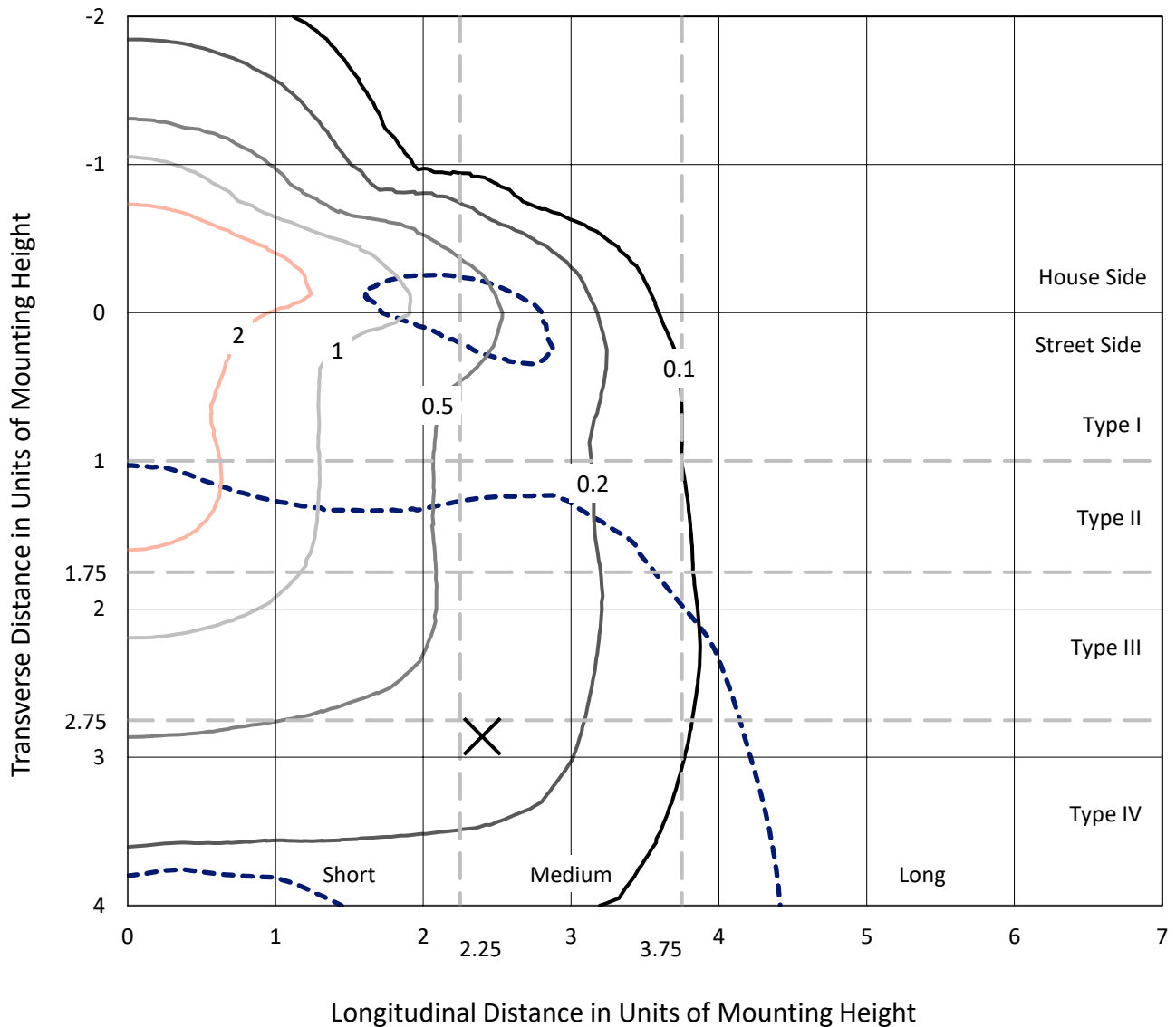
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

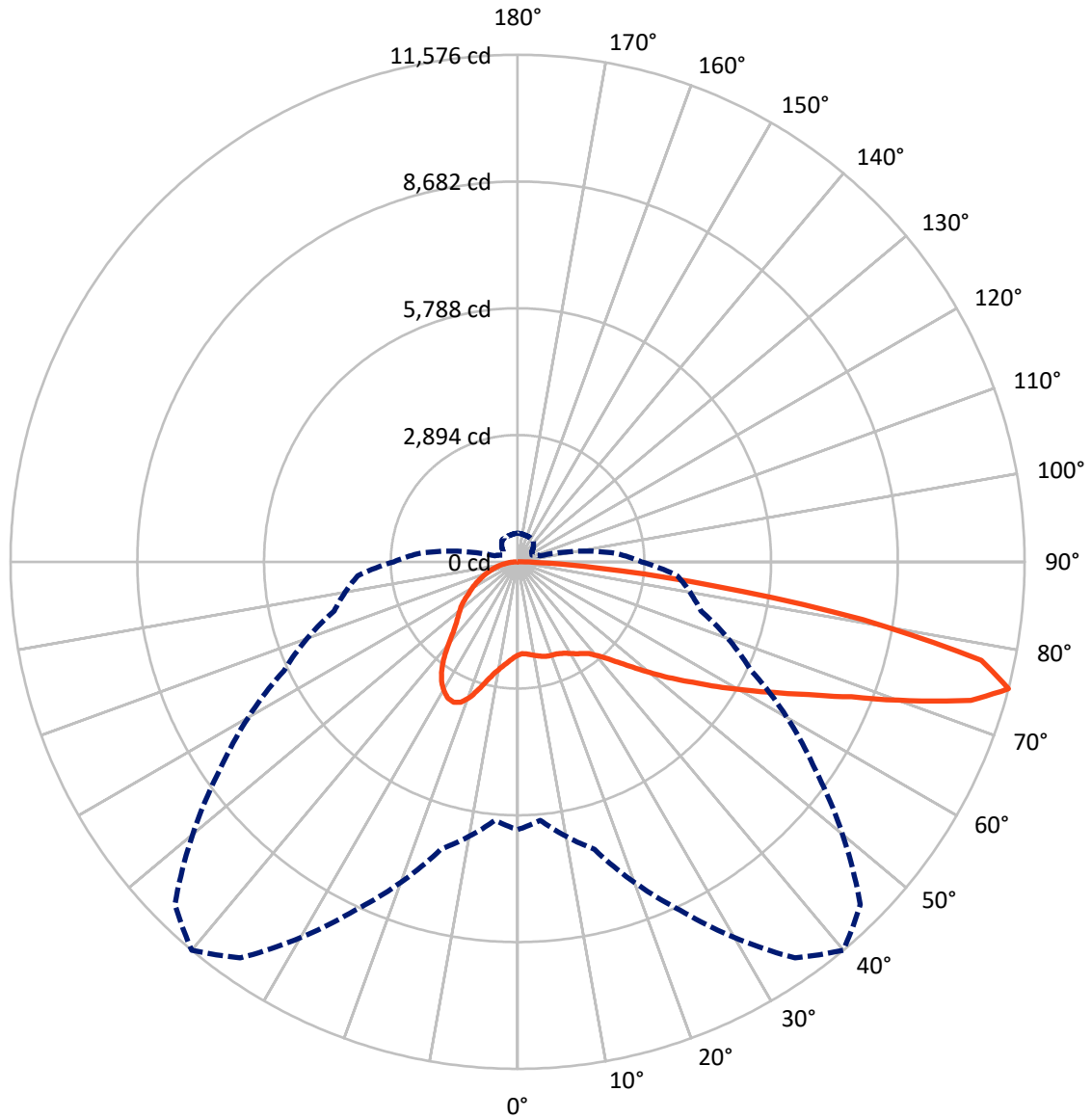
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	5762.3	0.0	5762.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	12835.7	0.0	12835.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	18598.0	0.0	18598.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	212.3	1.1
10°-20°	712.7	3.8
20°-30°	1301.4	7.0
30°-40°	1845.7	9.9
40°-50°	2492.3	13.4
50°-60°	3352.8	18.0
60°-70°	4255.5	22.9
70°-80°	3862.1	20.8
80°-90°	563.0	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°	18598.0	100.0
0°-180°	18598.0	100.0

**Coefficient of Utilization**

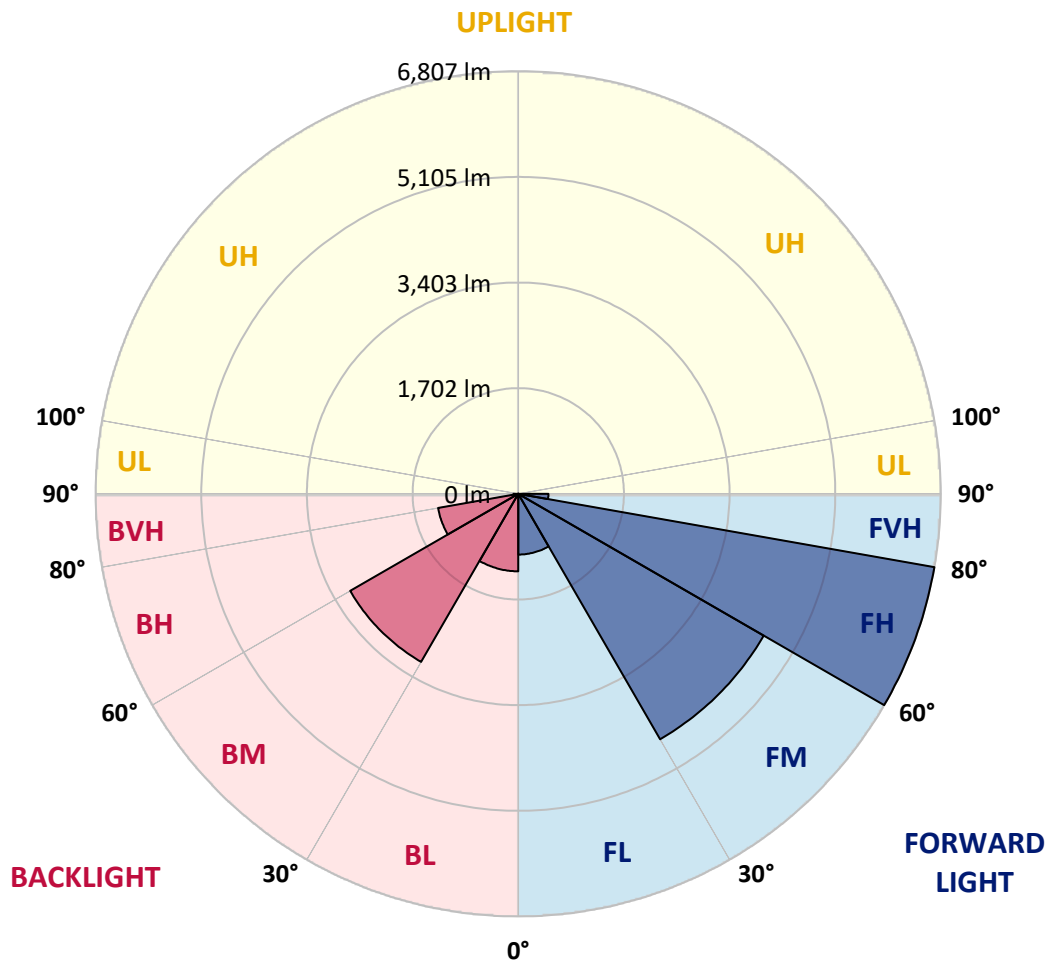


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	978.3	5.3			
FM (30°-60°)	4565.4	24.5			
FH (60°-80°)	6806.6	36.6			G3/7500
FVH (80°-90°)	485.5	2.6			G3/500
BL (0°-30°)	1248.2	6.7	B3/2500		
BM (30°-60°)	3125.5	16.8	B3/5000		
BH (60°-80°)	1311.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	77.5	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°	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7
2.5°	2094.2	2106.0	2103.0	2099.1	2099.1	2100.1	2099.1	2106.0	2112.9	2119.8
5°	2115.9	2127.7	2121.8	2116.8	2112.9	2111.9	2109.0	2108.0	2111.9	2120.8
7.5°	2158.3	2170.1	2161.2	2152.4	2144.5	2140.5	2136.6	2130.7	2127.7	2132.6
10°	2205.6	2217.5	2206.6	2190.8	2178.0	2173.1	2169.1	2163.2	2159.3	2162.2
12.5°	2253.0	2264.8	2250.0	2228.3	2211.5	2208.6	2203.6	2201.7	2200.7	2199.7
15°	2297.4	2307.2	2288.5	2262.8	2245.1	2240.1	2235.2	2238.2	2243.1	2249.0
17.5°	2331.9	2341.7	2314.1	2280.6	2263.8	2261.8	2258.9	2268.7	2282.6	2297.4
20°	2363.4	2373.3	2337.8	2292.4	2272.7	2272.7	2273.7	2294.4	2314.1	2335.8
22.5°	2407.8	2415.7	2372.3	2310.2	2281.6	2283.5	2291.4	2312.2	2336.8	2366.4
25°	2473.9	2479.8	2426.6	2343.7	2311.2	2317.1	2324.0	2333.9	2357.5	2392.1
27.5°	2580.5	2585.4	2515.4	2402.9	2353.6	2363.4	2373.3	2366.4	2377.3	2406.8
30°	2730.4	2733.3	2644.6	2495.6	2425.6	2430.5	2432.5	2403.9	2383.2	2406.8
32.5°	2907.9	2907.0	2801.4	2608.1	2507.5	2502.5	2485.8	2429.5	2381.2	2401.9
35°	3183.2	3172.3	3036.2	2765.9	2600.2	2569.6	2530.1	2458.1	2391.1	2397.0
37.5°	3638.9	3605.3	3416.9	3024.3	2738.3	2660.4	2602.2	2504.5	2412.8	2395.0
40°	4152.8	4110.4	3903.2	3378.5	2945.4	2820.2	2726.4	2570.6	2448.3	2403.9
42.5°	4762.4	4702.2	4479.3	3795.7	3207.8	3026.3	2885.3	2654.4	2500.6	2432.5
45°	5511.1	5431.2	5115.5	4266.2	3538.3	3296.6	3108.2	2781.7	2580.5	2487.7
47.5°	6267.7	6287.4	5838.6	4804.8	3934.8	3630.0	3387.3	2973.0	2696.9	2576.5
50°	7071.6	7085.4	6557.7	5401.6	4384.6	4006.8	3701.0	3187.1	2858.6	2702.8
52.5°	7699.0	7700.9	7210.7	6026.0	4853.2	4421.1	4039.4	3431.7	3046.0	2870.5
55°	8091.5	8086.6	7668.4	6616.9	5391.7	4856.1	4414.2	3709.9	3274.9	3067.7
57.5°	8376.6	8361.8	7984.0	7124.9	5965.8	5370.0	4838.4	4025.6	3545.2	3302.5
60°	8485.1	8476.2	8198.1	7563.8	6569.5	5938.2	5327.6	4378.7	3851.9	3579.7
62.5°	8526.6	8543.3	8408.2	7989.0	7215.6	6567.5	5865.2	4800.9	4197.2	3893.4
65°	8672.5	8703.1	8675.5	8545.3	7945.6	7304.4	6578.4	5303.0	4574.0	4229.7
67.5°	8961.6	8992.1	9004.0	9211.1	8837.3	8222.7	7468.1	5928.3	5014.9	4578.9
70°	8954.7	8945.8	9154.9	9740.8	9953.9	9494.2	8667.6	6697.7	5540.7	4868.9
72.5°	8150.7	8079.7	8573.9	9734.9	10883.1	10821.9	10132.4	7690.1	5994.4	4904.4
75°	6114.8	5925.4	6798.4	8773.2	11038.0	11575.6	11063.6	8305.6	5886.9	4333.3
77.5°	2615.0	2424.6	3453.4	6494.5	9878.9	10820.9	10209.4	7246.2	4699.3	2865.5
80°	684.6	683.6	1043.6	2944.4	6718.5	7990.9	7010.4	4679.5	2685.0	1023.9
82.5°	283.1	276.2	383.7	1145.2	3282.8	4484.2	3659.6	2087.2	969.6	277.2
85°	105.5	104.6	186.4	395.6	1158.0	1849.5	1338.6	533.6	241.7	135.1
87.5°	29.6	28.6	40.4	137.1	282.1	428.1	228.8	87.8	68.1	53.3
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°
2126.7	0°	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7	2126.7
2130.7	2.5°	2133.6	2138.5	2147.4	2154.3	2163.2	2173.1	2186.9	2195.8	2204.6	2210.6
2135.6	5°	2142.5	2153.3	2176.0	2198.7	2225.3	2250.0	2278.6	2299.3	2316.1	2321.0
2153.3	7.5°	2162.2	2180.0	2218.4	2256.9	2299.3	2339.8	2381.2	2416.7	2445.3	2456.2
2184.9	10°	2196.7	2220.4	2274.7	2328.9	2385.1	2447.3	2500.6	2551.9	2592.3	2609.1
2222.4	12.5°	2240.1	2269.7	2340.8	2415.7	2493.7	2579.5	2648.5	2711.6	2762.0	2784.6
2274.7	15°	2296.4	2334.8	2425.6	2526.2	2640.6	2760.0	2847.8	2917.8	2974.0	3001.7
2328.9	17.5°	2357.5	2408.8	2523.2	2675.2	2838.9	2995.7	3098.3	3149.6	3207.8	3234.4
2379.2	20°	2416.7	2479.8	2643.6	2864.5	3082.5	3249.2	3332.1	3345.9	3349.9	3352.8
2426.6	22.5°	2477.9	2562.7	2794.5	3103.3	3337.0	3452.4	3464.3	3405.1	3322.2	3283.8
2472.9	25°	2544.9	2657.4	2991.8	3366.6	3556.0	3569.8	3479.1	3335.1	3178.2	3106.2
2510.4	27.5°	2610.0	2766.9	3228.5	3618.2	3713.8	3592.5	3397.2	3193.0	3003.6	2927.7
2537.1	30°	2675.2	2892.2	3489.9	3838.1	3785.9	3536.3	3268.0	3040.1	2849.7	2769.8
2560.7	32.5°	2741.2	3038.2	3790.8	3996.9	3773.0	3416.9	3107.2	2868.5	2700.8	2617.0
2581.4	35°	2816.2	3217.7	4075.9	4083.7	3687.2	3241.4	2895.1	2663.3	2517.3	2450.2
2606.1	37.5°	2913.9	3445.5	4327.4	4105.5	3537.3	2983.9	2631.7	2420.7	2300.3	2269.7
2642.6	40°	3035.2	3719.8	4519.7	4070.9	3315.3	2671.2	2343.7	2175.0	2107.0	2113.9
2691.9	42.5°	3193.0	4026.5	4654.9	3982.1	3006.6	2348.6	2091.2	2016.2	2048.8	2076.4
2765.9	45°	3398.2	4345.1	4738.7	3831.2	2657.4	2075.4	1942.2	1960.0	1984.7	1987.6
2885.3	47.5°	3660.6	4667.7	4794.0	3603.4	2301.3	1883.1	1847.6	1851.5	1846.6	1825.9
3063.8	50°	3988.1	4981.4	4843.3	3301.5	1998.5	1762.7	1715.4	1701.6	1633.5	1566.4
3301.5	52.5°	4360.9	5269.4	4864.0	2926.7	1762.7	1662.1	1585.2	1498.4	1371.1	1350.4
3600.4	55°	4775.2	5535.7	4810.7	2466.0	1564.5	1532.9	1416.5	1311.9	1298.1	1280.4
3994.0	57.5°	5270.4	5822.8	4702.2	1952.1	1361.2	1382.0	1268.5	1280.4	1255.7	1228.1
4500.0	60°	5811.9	6119.7	4511.9	1483.6	1151.1	1193.6	1230.1	1229.1	1222.2	1199.5
5033.7	62.5°	6299.2	6315.0	4137.0	1136.3	966.7	1047.6	1147.2	1146.2	1140.3	1127.5
5591.0	65°	6589.2	6285.4	3511.6	894.7	814.8	927.2	1034.7	1042.6	1043.6	1042.6
6010.2	67.5°	6537.9	5939.2	2653.5	712.2	689.5	804.9	923.3	934.1	942.0	944.0
6063.5	70°	5957.9	5178.7	1730.2	568.2	578.0	697.4	817.7	828.6	835.5	843.4
5261.5	72.5°	4644.0	3807.6	990.4	459.7	480.4	604.7	713.2	726.0	729.9	744.7
3661.6	75°	2830.0	2239.2	534.6	362.0	394.6	516.9	609.6	624.4	631.3	649.1
1798.2	77.5°	1345.5	969.6	304.8	282.1	317.6	422.2	514.9	531.7	512.9	522.8
496.2	80°	454.7	360.0	192.4	215.0	242.7	329.5	412.3	429.1	389.6	387.7
164.7	82.5°	158.8	146.0	122.3	143.0	156.8	235.8	311.7	333.4	290.0	289.0
74.0	85°	62.1	59.2	68.1	77.9	93.7	145.0	205.2	216.0	178.5	144.0
21.7	87.5°	12.8	13.8	16.8	17.8	28.6	50.3	74.0	90.7	72.0	61.2
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°
2126.7
2206.6
2323.0
2457.2
2610.0
2784.6
2999.7
3233.5
3360.7
3294.6
3117.1
2936.6
2778.7
2627.8
2465.0
2291.4
2137.6
2102.0
2007.4
1841.6
1575.3
1357.3
1283.3
1223.2
1191.6
1122.5
1042.6
946.0
847.3
750.7
651.0
514.9
383.7
275.2
142.0
56.2
0.0

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