

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: P847483

Luminaire Tested: **GLAN-SB3C-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847483  
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-SB3C-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 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: 18442 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

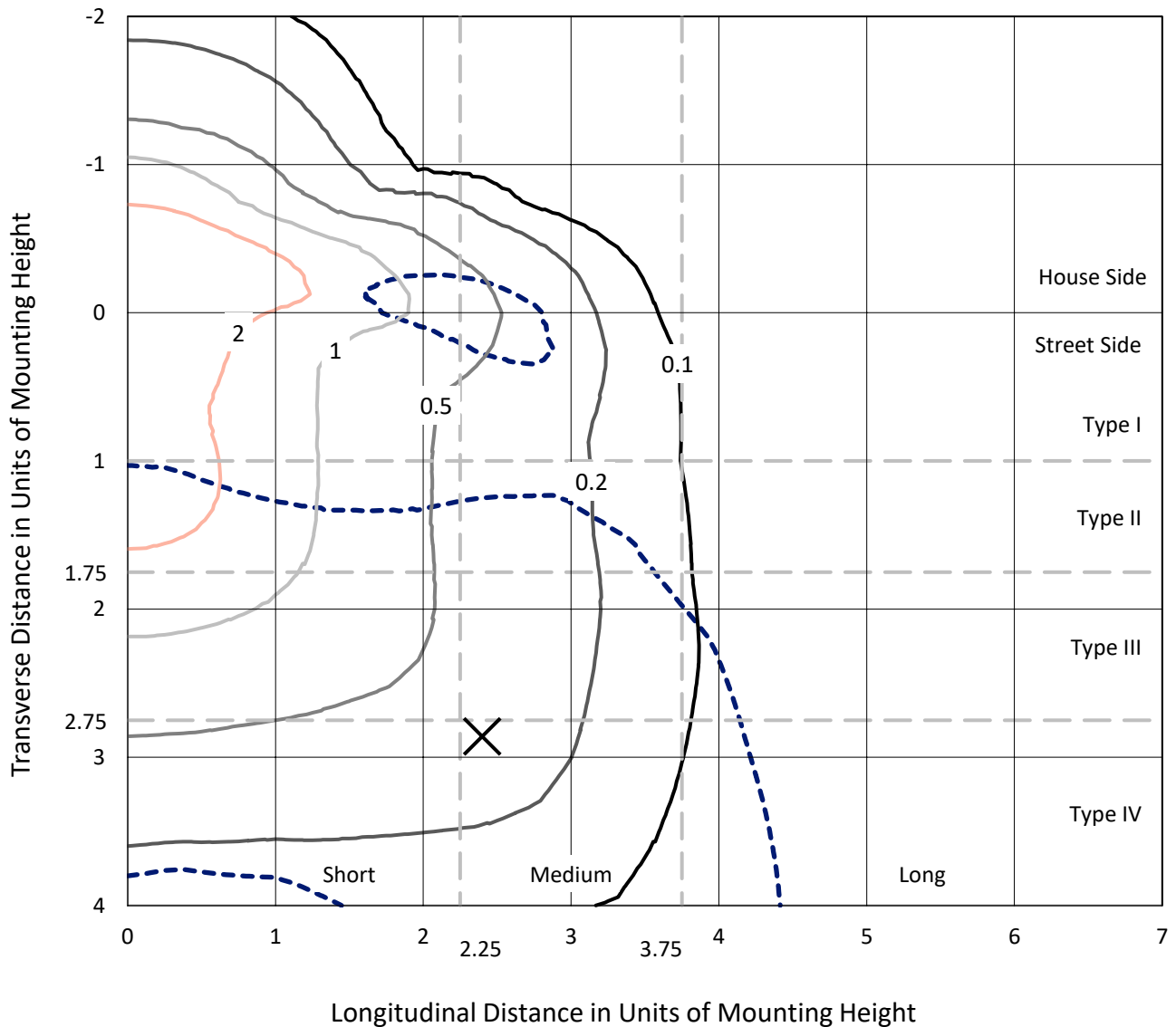
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

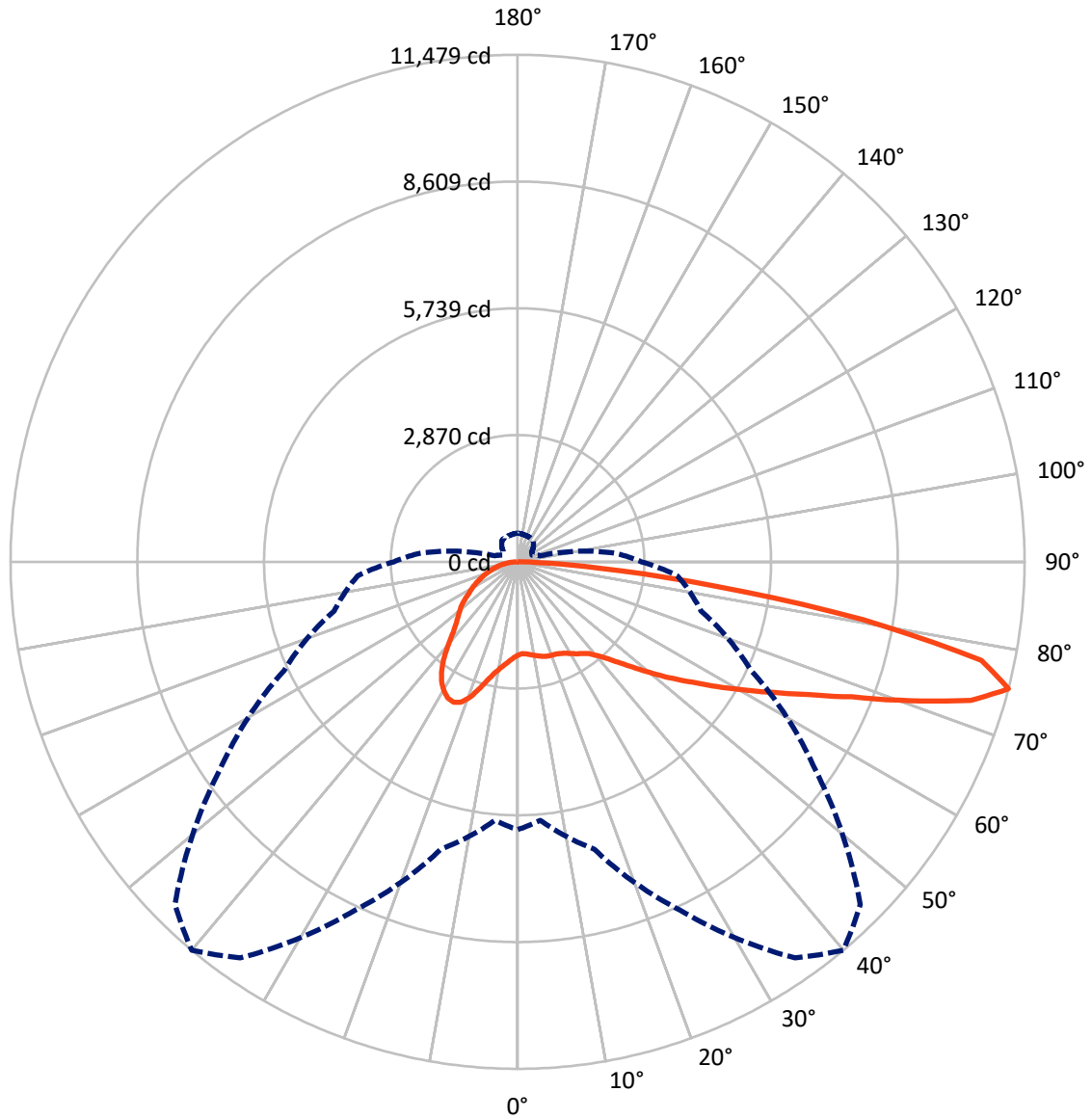
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 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	5713.9	0.0	5713.9
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	12728.1	0.0	12728.1
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	18442.0	0.0	18442.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	210.5	1.1
10°-20°	706.8	3.8
20°-30°	1290.5	7.0
30°-40°	1830.3	9.9
40°-50°	2471.4	13.4
50°-60°	3324.7	18.0
60°-70°	4219.8	22.9
70°-80°	3829.8	20.8
80°-90°	558.3	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°	18442.0	100.0
0°-180°	18442.0	100.0

**Coefficient of Utilization**

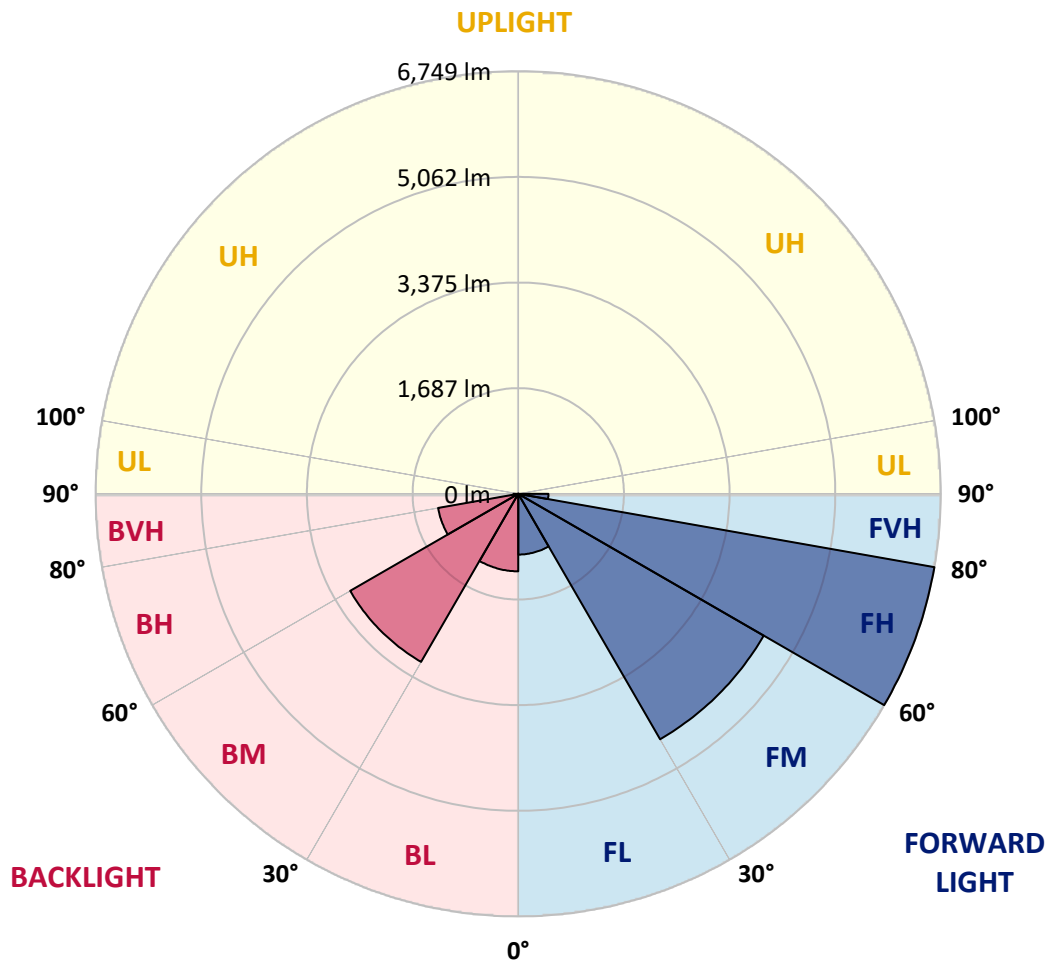


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	970.1	5.3			
FM (30°-60°)	4527.1	24.5			
FH (60°-80°)	6749.5	36.6			G3/7500
FVH (80°-90°)	481.4	2.6			G3/500
BL (0°-30°)	1237.7	6.7	B3/2500		
BM (30°-60°)	3099.3	16.8	B3/5000		
BH (60°-80°)	1300.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	76.9	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-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9
2.5°	2076.6	2088.3	2085.4	2081.5	2081.5	2082.5	2081.5	2088.3	2095.2	2102.0
5°	2098.1	2109.8	2104.0	2099.1	2095.2	2094.2	2091.3	2090.3	2094.2	2103.0
7.5°	2140.2	2151.9	2143.1	2134.3	2126.5	2122.6	2118.6	2112.8	2109.8	2114.7
10°	2187.1	2198.9	2188.1	2172.4	2159.7	2154.8	2150.9	2145.1	2141.1	2144.1
12.5°	2234.1	2245.8	2231.1	2209.6	2193.0	2190.1	2185.2	2183.2	2182.2	2181.2
15°	2278.1	2287.9	2269.3	2243.9	2226.2	2221.4	2216.5	2219.4	2224.3	2230.2
17.5°	2312.3	2322.1	2294.7	2261.5	2244.8	2242.9	2239.9	2249.7	2263.4	2278.1
20°	2343.6	2353.4	2318.2	2273.2	2253.6	2253.6	2254.6	2275.2	2294.7	2316.2
22.5°	2387.6	2395.5	2352.4	2290.8	2262.4	2264.4	2272.2	2292.8	2317.2	2346.6
25°	2453.2	2459.0	2406.2	2324.1	2291.8	2297.6	2304.5	2314.3	2337.8	2372.0
27.5°	2558.8	2563.7	2494.3	2382.7	2333.8	2343.6	2353.4	2346.6	2357.3	2386.7
30°	2707.5	2710.4	2622.4	2474.7	2405.2	2410.1	2412.1	2383.7	2363.2	2386.7
32.5°	2883.6	2882.6	2777.9	2586.2	2486.4	2481.5	2464.9	2409.2	2361.2	2381.8
35°	3156.5	3145.7	3010.7	2742.7	2578.4	2548.1	2508.9	2437.5	2371.0	2376.9
37.5°	3608.4	3575.1	3388.3	2999.0	2715.3	2638.0	2580.3	2483.5	2392.5	2374.9
40°	4118.0	4075.9	3870.5	3350.1	2920.7	2796.5	2703.6	2549.0	2427.7	2383.7
42.5°	4722.5	4662.8	4441.7	3763.9	3180.9	3000.9	2861.1	2632.2	2479.6	2412.1
45°	5464.9	5385.6	5072.6	4230.5	3508.6	3268.9	3082.1	2758.4	2558.8	2466.9
47.5°	6215.1	6234.7	5789.6	4764.5	3901.8	3599.6	3358.9	2948.1	2674.2	2554.9
50°	7012.3	7026.0	6502.7	5356.3	4347.8	3973.2	3670.0	3160.4	2834.6	2680.1
52.5°	7634.4	7636.3	7150.2	5975.4	4812.4	4384.0	4005.5	3402.9	3020.5	2846.4
55°	8023.7	8018.8	7604.1	6561.4	5346.5	4815.4	4377.2	3678.8	3247.4	3042.0
57.5°	8306.4	8291.7	7917.1	7065.1	5915.8	5325.0	4797.8	3991.8	3515.4	3274.8
60°	8414.0	8405.1	8129.3	7500.4	6514.4	5888.4	5282.9	4342.0	3819.6	3549.7
62.5°	8455.0	8471.7	8337.7	7921.9	7155.1	6512.4	5816.0	4760.6	4162.0	3860.7
65°	8599.8	8630.1	8602.7	8473.6	7878.9	7243.1	6523.2	5258.5	4535.6	4194.3
67.5°	8886.4	8916.7	8928.5	9133.9	8763.1	8153.8	7405.5	5878.6	4972.9	4540.5
70°	8879.5	8870.7	9078.1	9659.1	9870.4	9414.6	8594.9	6641.6	5494.2	4828.1
72.5°	8082.4	8011.9	8502.0	9653.3	10791.8	10731.2	10047.4	7625.6	5944.1	4863.3
75°	6063.5	5875.7	6741.3	8699.6	10945.4	11478.5	10970.8	8235.9	5837.5	4297.0
77.5°	2593.0	2404.3	3424.5	6440.1	9796.1	10730.2	10123.7	7185.4	4659.9	2841.5
80°	678.8	677.9	1034.9	2919.7	6662.1	7923.9	6951.6	4640.3	2662.5	1015.3
82.5°	280.7	273.9	380.5	1135.6	3255.2	4446.6	3628.9	2069.7	961.5	274.9
85°	104.7	103.7	184.9	392.2	1148.3	1834.0	1327.3	529.2	239.6	134.0
87.5°	29.3	28.4	40.1	136.0	279.7	424.5	226.9	87.1	67.5	52.8
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°
2108.9	0°	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9	2108.9
2112.8	2.5°	2115.7	2120.6	2129.4	2136.3	2145.1	2154.8	2168.5	2177.3	2186.1	2192.0
2117.7	5°	2124.5	2135.3	2157.8	2180.3	2206.7	2231.1	2259.5	2280.0	2296.7	2301.6
2135.3	7.5°	2144.1	2161.7	2199.8	2238.0	2280.0	2320.1	2361.2	2396.4	2424.8	2435.6
2166.6	10°	2178.3	2201.8	2255.6	2309.4	2365.1	2426.8	2479.6	2530.4	2570.5	2587.2
2203.7	12.5°	2221.4	2250.7	2321.1	2395.5	2472.7	2557.8	2626.3	2688.9	2738.8	2761.3
2255.6	15°	2277.1	2315.3	2405.2	2505.0	2618.5	2736.8	2823.9	2893.3	2949.1	2976.5
2309.4	17.5°	2337.8	2388.6	2502.1	2652.7	2815.1	2970.6	3072.3	3123.2	3180.9	3207.3
2359.3	20°	2396.4	2459.0	2621.4	2840.5	3056.7	3222.0	3304.2	3317.8	3321.8	3324.7
2406.2	22.5°	2457.1	2541.2	2771.1	3077.2	3309.0	3423.5	3435.2	3376.5	3294.4	3256.2
2452.2	25°	2523.6	2635.1	2966.7	3338.4	3526.2	3539.9	3449.9	3307.1	3151.6	3080.2
2489.4	27.5°	2588.2	2743.7	3201.4	3587.8	3682.7	3562.4	3368.7	3166.2	2978.4	2903.1
2515.8	30°	2652.7	2867.9	3460.7	3805.9	3754.1	3506.6	3240.6	3014.6	2825.8	2746.6
2539.2	32.5°	2718.2	3012.7	3759.0	3963.4	3741.4	3388.3	3081.1	2844.4	2678.1	2595.0
2559.8	35°	2792.6	3190.7	4041.7	4049.5	3656.3	3214.2	2870.8	2641.0	2496.2	2429.7
2584.2	37.5°	2889.4	3416.6	4291.1	4071.0	3507.6	2958.9	2609.7	2400.4	2281.0	2250.7
2620.4	40°	3009.7	3688.6	4481.8	4036.8	3287.5	2648.8	2324.1	2156.8	2089.3	2096.2
2669.3	42.5°	3166.2	3992.8	4615.8	3948.7	2981.4	2328.9	2073.7	1999.3	2031.6	2059.0
2742.7	45°	3369.7	4308.7	4699.0	3799.1	2635.1	2058.0	1926.0	1943.6	1968.0	1970.9
2861.1	47.5°	3629.9	4628.6	4753.8	3573.1	2282.0	1867.3	1832.1	1836.0	1831.1	1810.5
3038.1	50°	3954.6	4939.6	4802.7	3273.8	1981.7	1747.9	1701.0	1687.3	1619.8	1553.3
3273.8	52.5°	4324.4	5225.2	4823.2	2902.1	1747.9	1648.2	1571.9	1485.8	1359.6	1339.1
3570.2	55°	4735.2	5489.3	4770.4	2445.3	1551.3	1520.0	1404.6	1300.9	1287.2	1269.6
3960.5	57.5°	5226.2	5774.0	4662.8	1935.7	1349.8	1370.4	1257.9	1269.6	1245.2	1217.8
4462.3	60°	5763.2	6068.4	4474.0	1471.1	1141.5	1183.5	1219.7	1218.8	1211.9	1189.4
4991.4	62.5°	6246.4	6262.0	4102.3	1126.8	958.6	1038.8	1137.6	1136.6	1130.7	1118.0
5544.1	65°	6534.0	6232.7	3482.2	887.2	807.9	919.5	1026.1	1033.9	1034.9	1033.9
5959.8	67.5°	6483.1	5889.4	2631.2	706.2	683.7	798.2	915.5	926.3	934.1	936.1
6012.6	70°	5908.0	5135.2	1715.7	563.4	573.2	691.5	810.9	821.6	828.5	836.3
5217.4	72.5°	4605.1	3775.6	982.1	455.8	476.4	599.6	707.2	719.9	723.8	738.5
3630.9	75°	2806.3	2220.4	530.2	359.0	391.3	512.5	604.5	619.2	626.0	643.6
1783.1	77.5°	1334.2	961.5	302.2	279.7	315.0	418.6	510.6	527.2	508.6	518.4
492.0	80°	450.9	357.0	190.7	213.2	240.6	326.7	408.9	425.5	386.4	384.4
163.3	82.5°	157.5	144.8	121.3	141.8	155.5	233.8	309.1	330.6	287.6	286.6
73.4	85°	61.6	58.7	67.5	77.3	92.9	143.8	203.5	214.2	177.0	142.8
21.5	87.5°	12.7	13.7	16.6	17.6	28.4	49.9	73.4	90.0	71.4	60.6
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°
2108.9
2188.1
2303.5
2436.5
2588.2
2761.3
2974.5
3206.3
3332.5
3267.0
3090.9
2911.9
2755.4
2605.8
2444.4
2272.2
2119.6
2084.4
1990.5
1826.2
1562.1
1345.9
1272.6
1212.9
1181.6
1113.1
1033.9
938.0
840.2
744.4
645.6
510.6
380.5
272.9
140.9
55.8
0.0

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