

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: P848866

Luminaire Tested: **GLAN-SB5C-850-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-850-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32186 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

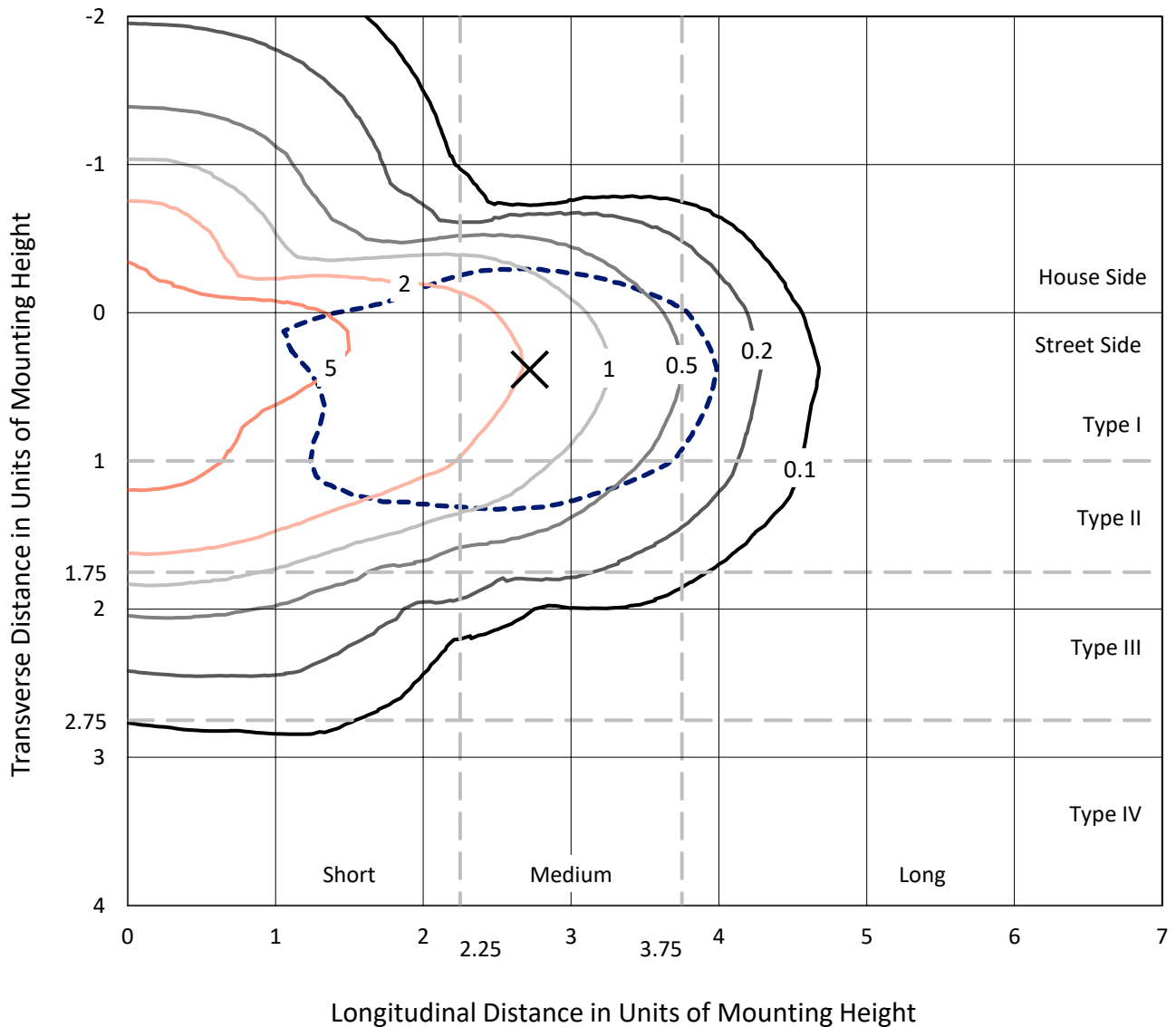
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

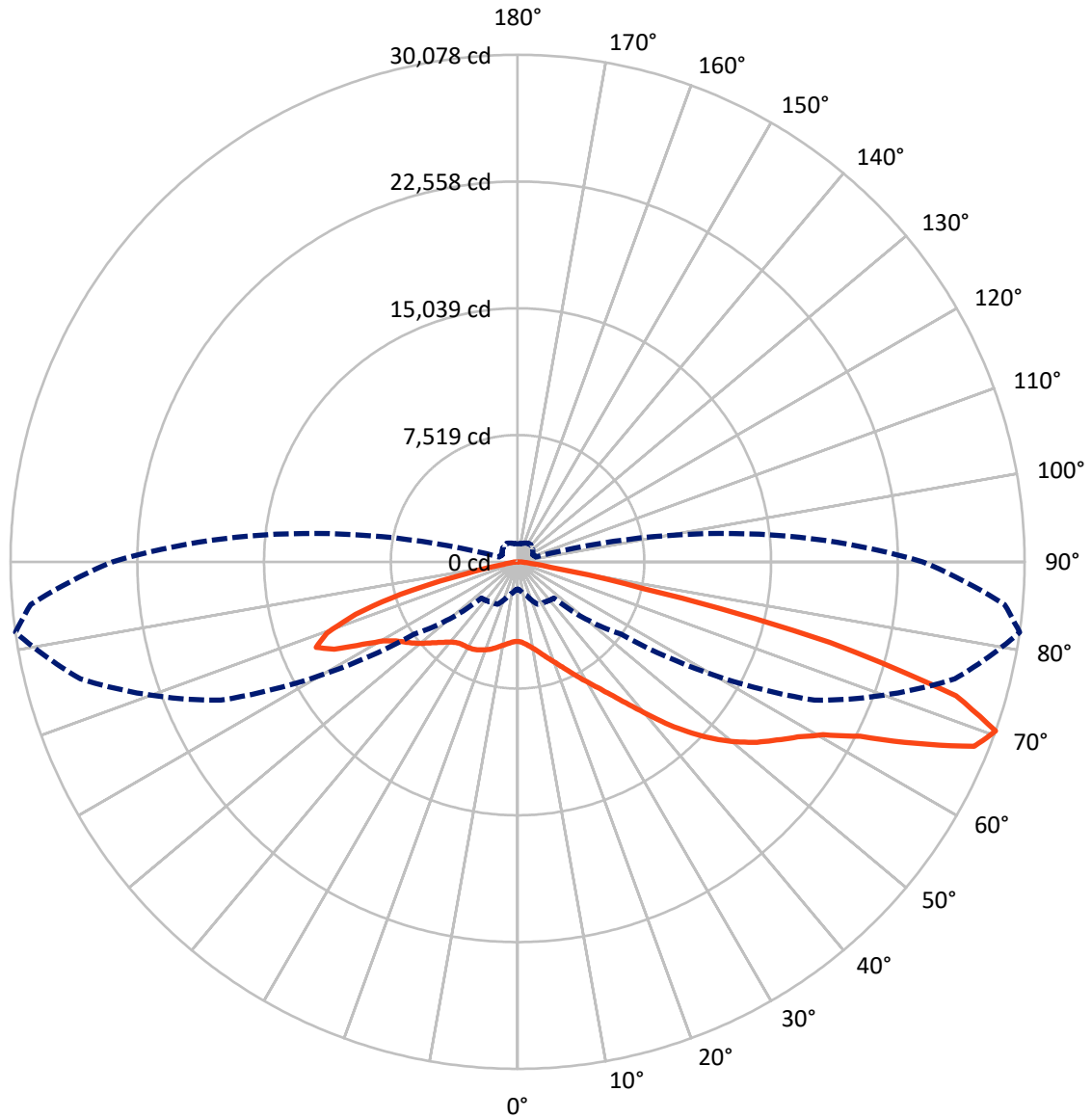
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7934.6	0.0	7934.6
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	24251.4	0.0	24251.4
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	32186.0	0.0	32186.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	445.5	1.4
10°-20°	1280.1	4.0
20°-30°	2141.4	6.7
30°-40°	3345.5	10.4
40°-50°	5328.1	16.6
50°-60°	7414.7	23.0
60°-70°	7756.1	24.1
70°-80°	4053.7	12.6
80°-90°	420.9	1.3
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°	32186.0	100.0
0°-180°	32186.0	100.0

**Coefficient of Utilization**



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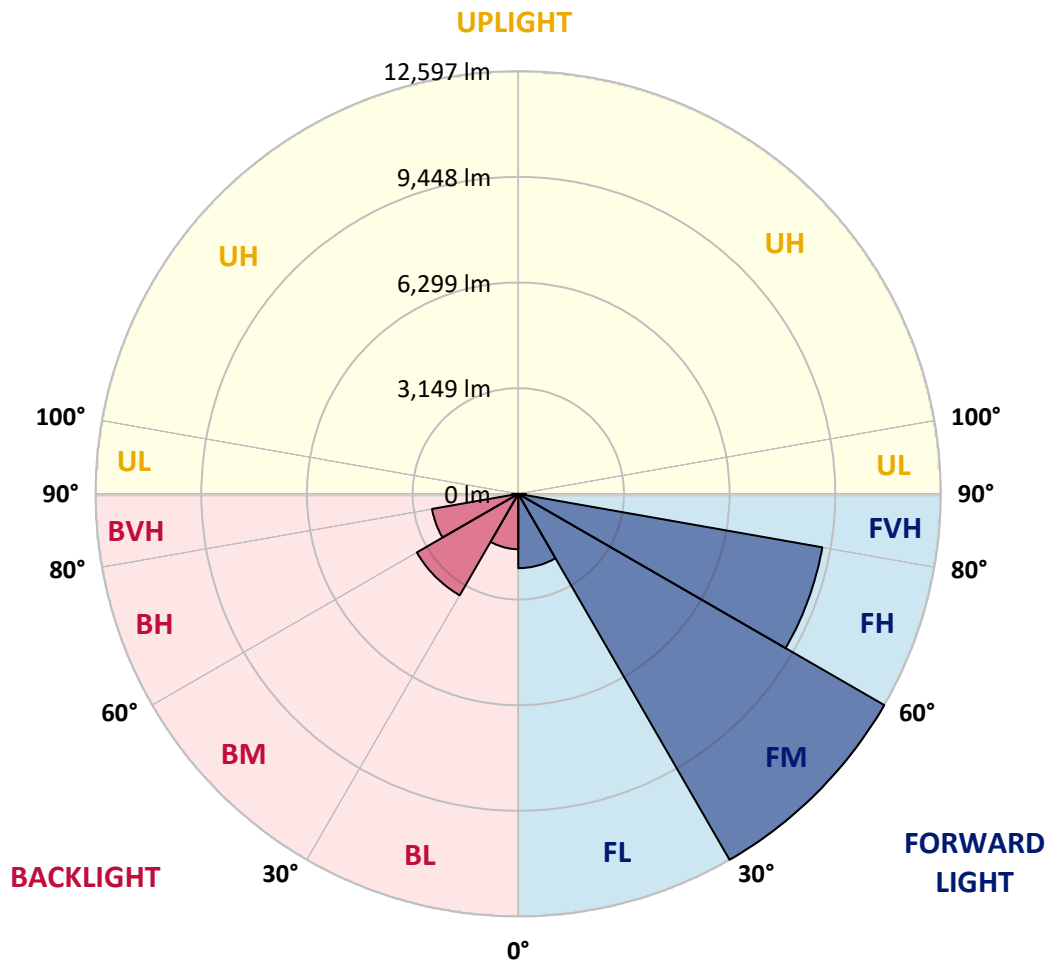
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2216.4	6.9			
FM (30°-60°)	12597.3	39.1			
FH (60°-80°)	9202.1	28.6			G4/12000
FVH (80°-90°)	235.6	0.7			G3/500
BL (0°-30°)	1650.7	5.1	B3/2500		
BM (30°-60°)	3490.9	10.8	B3/5000		
BH (60°-80°)	2607.7	8.1	B4/5000		G4/5000
BVH (80°-90°)	185.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9
2.5°	4831.6	4858.9	4850.4	4841.8	4841.8	4829.9	4828.2	4811.1	4797.4	4775.2
5°	4893.1	4922.1	4918.7	4925.5	4947.7	4952.8	4958.0	4947.7	4920.4	4893.1
7.5°	4838.4	4870.9	4881.1	4922.1	4990.4	5051.9	5098.0	5116.8	5091.2	5051.9
10°	4654.0	4689.8	4725.7	4823.1	4944.3	5089.5	5212.4	5285.9	5280.8	5243.2
12.5°	4279.9	4317.5	4394.4	4583.9	4806.0	5062.2	5291.0	5444.7	5497.7	5470.3
15°	3981.1	4013.5	4071.6	4266.3	4554.9	4944.3	5320.0	5618.9	5753.8	5738.5
17.5°	3972.5	3986.2	4022.1	4114.3	4336.3	4759.9	5289.3	5789.7	6047.6	6045.9
20°	4122.8	4127.9	4148.4	4167.2	4293.6	4619.8	5210.7	5931.5	6377.2	6377.2
22.5°	4331.2	4327.8	4348.3	4331.2	4392.7	4607.9	5161.2	6056.1	6744.4	6771.7
25°	4643.7	4626.6	4621.5	4582.2	4594.2	4718.9	5215.9	6197.9	7179.9	7236.3
27.5°	5060.4	5033.1	5014.3	4923.8	4893.1	4947.7	5383.2	6368.7	7665.0	7762.3
30°	5603.6	5554.0	5526.7	5369.6	5258.6	5267.1	5636.0	6595.8	8172.2	8329.3
32.5°	6344.8	6267.9	6194.5	5936.6	5733.4	5666.7	5962.2	6910.1	8722.1	8973.2
35°	7174.8	7113.3	7034.8	6636.8	6324.3	6170.6	6402.8	7349.0	9366.0	9763.9
37.5°	7974.1	7921.1	7958.7	7422.4	7019.4	6795.7	6980.1	7938.2	10160.2	10747.7
40°	8800.7	8759.7	8764.8	8252.5	7782.8	7531.7	7680.3	8677.7	11070.5	11917.6
42.5°	9699.0	9668.3	9565.8	9111.5	8583.8	8349.8	8486.5	9531.7	12047.4	13249.7
45°	10705.0	10686.2	10590.6	10069.7	9465.1	9202.1	9386.5	10474.4	13029.4	14503.3
47.5°	11574.3	11589.7	11577.7	11138.8	10512.0	10126.0	10346.3	11458.2	13943.1	15681.7
50°	11992.7	12073.0	12190.8	12054.2	11664.8	11272.0	11314.7	12407.7	14814.1	16786.7
52.5°	11774.1	11926.1	12247.2	12465.8	12616.1	12534.1	12419.7	13350.5	15633.9	17784.1
55°	10959.5	11172.9	11705.8	12233.5	13000.4	13596.4	13746.7	14395.7	16433.2	18662.0
57.5°	9475.3	9822.0	10300.2	11367.6	12658.8	14110.5	15294.1	15845.7	17280.3	19599.6
60°	6930.6	7395.1	7989.5	9577.8	11463.3	13835.5	16610.8	18072.8	18484.4	20813.9
62.5°	4435.4	4722.3	5268.8	6764.9	8932.2	12426.5	17013.9	20856.6	20525.3	22805.3
65°	3036.6	3221.1	3721.5	4561.7	5774.3	9249.9	15934.5	22943.6	23766.8	25961.5
67.5°	2206.6	2346.6	2773.6	3509.7	3762.5	5473.8	12365.0	22848.0	26917.9	29213.3
70°	1608.8	1707.9	2066.5	2773.6	2894.9	3045.1	7490.8	19422.0	26849.6	30077.5
72.5°	1192.1	1260.4	1501.2	2151.9	2343.2	2056.3	3707.8	14115.6	23071.7	27204.8
75°	862.5	913.7	1091.3	1646.4	1875.3	1566.1	1849.6	8249.1	16093.3	19136.8
77.5°	659.2	698.5	814.7	1205.8	1501.2	1175.0	1147.7	3794.9	7630.8	7668.4
80°	529.4	555.1	618.3	848.8	1151.1	879.6	748.1	1532.0	2411.5	2040.9
82.5°	389.4	432.1	522.6	596.0	823.2	606.3	456.0	773.7	917.1	789.0
85°	222.0	251.1	316.0	427.0	526.0	370.6	261.3	343.3	427.0	350.1
87.5°	78.6	102.5	111.0	167.4	228.9	153.7	100.8	99.1	140.0	104.2
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°
4718.9	0°	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9	4718.9
4770.1	2.5°	4753.0	4744.5	4710.3	4664.2	4616.4	4570.3	4554.9	4522.5	4500.3	4488.3
4881.1	5°	4848.7	4821.3	4741.1	4638.6	4531.0	4414.9	4332.9	4257.7	4203.1	4151.9
5033.1	7.5°	4985.3	4937.5	4799.1	4619.8	4428.5	4235.5	4092.1	3982.8	3909.3	3861.5
5210.7	10°	5144.1	5070.7	4858.9	4590.8	4295.3	4018.6	3849.6	3755.6	3709.5	3683.9
5414.0	12.5°	5326.9	5222.7	4920.4	4524.2	4092.1	3776.1	3660.0	3632.7	3634.4	3636.1
5670.2	15°	5552.3	5407.1	4969.9	4379.0	3827.4	3590.0	3569.5	3613.9	3660.0	3682.2
5960.5	17.5°	5806.8	5601.8	4978.5	4139.9	3567.8	3470.4	3535.3	3631.0	3701.0	3731.7
6285.0	20°	6080.0	5800.0	4917.0	3801.7	3354.3	3373.1	3489.2	3612.2	3689.0	3728.3
6655.6	22.5°	6392.6	6011.7	4770.1	3446.5	3180.1	3267.2	3403.8	3523.4	3603.6	3642.9
7091.1	25°	6749.5	6249.1	4539.5	3147.6	3029.8	3147.6	3284.3	3383.3	3448.2	3484.1
7577.9	27.5°	7145.8	6496.8	4232.1	2910.2	2898.3	3024.7	3137.4	3214.2	3248.4	3275.7
8095.3	30°	7543.7	6722.2	3859.8	2730.9	2783.8	2903.4	2983.7	3017.8	3028.1	3033.2
8672.6	32.5°	7974.1	6916.9	3468.7	2582.3	2674.5	2785.6	2833.4	2848.7	2800.9	2768.5
9372.8	35°	8495.0	7125.3	3086.1	2464.5	2566.9	2662.6	2678.0	2664.3	2607.9	2541.3
10250.7	37.5°	9138.9	7384.9	2780.4	2380.8	2466.2	2529.4	2510.6	2507.2	2512.3	2433.7
11306.2	40°	9927.9	7723.0	2556.7	2315.9	2384.2	2397.9	2344.9	2374.0	2399.6	2280.0
12464.1	42.5°	10804.0	8131.2	2414.9	2271.5	2315.9	2283.4	2201.5	2233.9	2230.5	2073.4
13627.2	45°	11697.3	8575.3	2365.4	2239.0	2252.7	2187.8	2097.3	2105.8	2034.1	1892.3
14742.4	47.5°	12585.4	9051.8	2396.2	2211.7	2174.1	2100.7	2030.7	1993.1	1887.2	1781.3
15811.5	50°	13456.4	9552.2	2508.9	2157.1	2066.5	2023.8	1972.6	1906.0	1793.3	1702.8
16822.6	52.5°	14264.2	10056.0	2635.3	2066.5	1931.6	1957.2	1924.8	1847.9	1736.9	1644.7
17779.0	55°	15029.3	10559.8	2684.8	1941.9	1805.2	1899.2	1880.4	1738.6	1605.4	1530.3
18779.8	57.5°	15862.8	11166.1	2630.1	1783.0	1702.8	1832.6	1760.8	1603.7	1526.8	1470.5
20083.0	60°	17017.3	12117.4	2512.3	1586.6	1605.4	1733.5	1610.5	1545.6	1461.9	1398.8
22036.8	62.5°	18935.3	13891.9	2322.7	1391.9	1491.0	1586.6	1538.8	1473.9	1388.5	1327.0
25377.4	65°	21770.3	16358.1	1965.8	1239.9	1362.9	1443.2	1461.9	1397.0	1308.2	1243.3
28304.7	67.5°	24161.4	17905.4	1487.6	1113.5	1231.4	1327.0	1380.0	1316.8	1222.8	1159.6
28989.5	70°	24029.9	16781.6	1135.7	988.9	1115.2	1212.6	1280.9	1231.4	1130.6	1070.8
26332.1	72.5°	21343.4	14038.8	918.8	862.5	997.4	1093.0	1175.0	1137.4	1035.0	976.9
19290.5	75°	15680.0	9965.5	734.4	734.4	850.5	968.4	1058.9	1035.0	941.0	900.1
8098.8	77.5°	6609.5	4180.9	575.6	609.7	707.1	831.7	944.5	953.0	871.0	922.3
2141.7	80°	1757.4	1152.8	438.9	479.9	555.1	686.6	821.5	818.1	729.3	681.4
795.9	82.5°	669.5	454.3	312.5	338.2	401.4	526.0	650.7	671.2	582.4	503.8
312.5	85°	257.9	194.7	193.0	203.2	234.0	348.4	491.9	508.9	438.9	372.3
87.1	87.5°	66.6	58.1	71.7	68.3	107.6	186.2	281.8	292.0	268.1	155.4
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°
4718.9
4502.0
4172.3
3871.8
3690.7
3639.5
3680.5
3738.5
3738.5
3653.2
3494.3
3286.0
3045.1
2778.7
2544.7
2438.9
2283.4
2071.7
1897.5
1781.3
1695.9
1646.4
1523.4
1465.4
1395.3
1327.0
1246.8
1161.4
1076.0
976.9
888.1
836.9
633.6
503.8
384.3
222.0
0.0

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