

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: P850476

Luminaire Tested: **GLAN-SB8A-730-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850476  
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-SB8A-730-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34718 lumens  
Efficiency: N/A  
Efficacy: 152.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

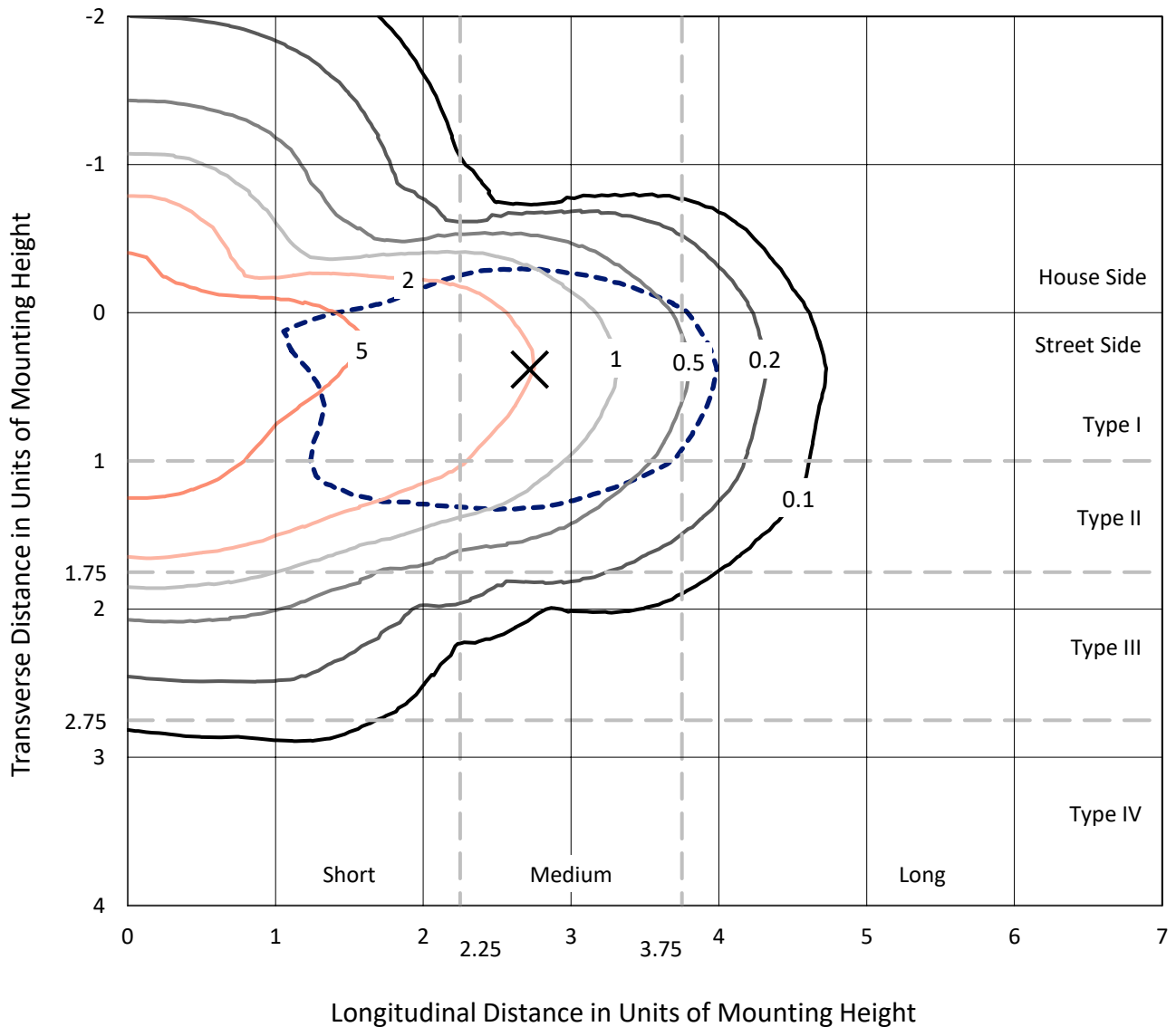
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

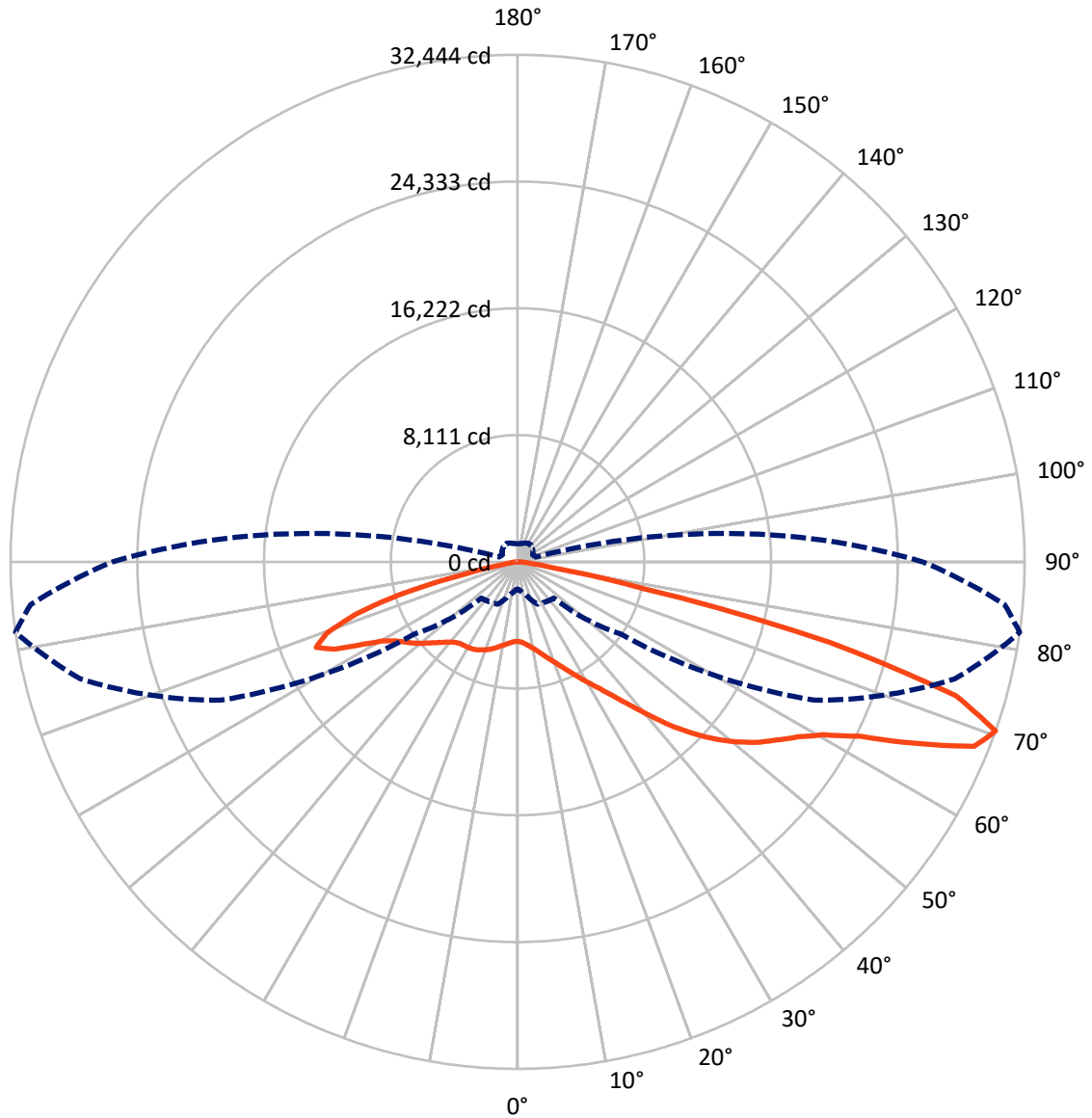
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	8558.8	0.0	8558.8
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	26159.2	0.0	26159.2
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	34718.0	0.0	34718.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	480.6	1.4
10°-20°	1380.8	4.0
20°-30°	2309.9	6.7
30°-40°	3608.7	10.4
40°-50°	5747.2	16.6
50°-60°	7997.9	23.0
60°-70°	8366.2	24.1
70°-80°	4372.6	12.6
80°-90°	454.1	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°	34718.0	100.0
0°-180°	34718.0	100.0

**Coefficient of Utilization**



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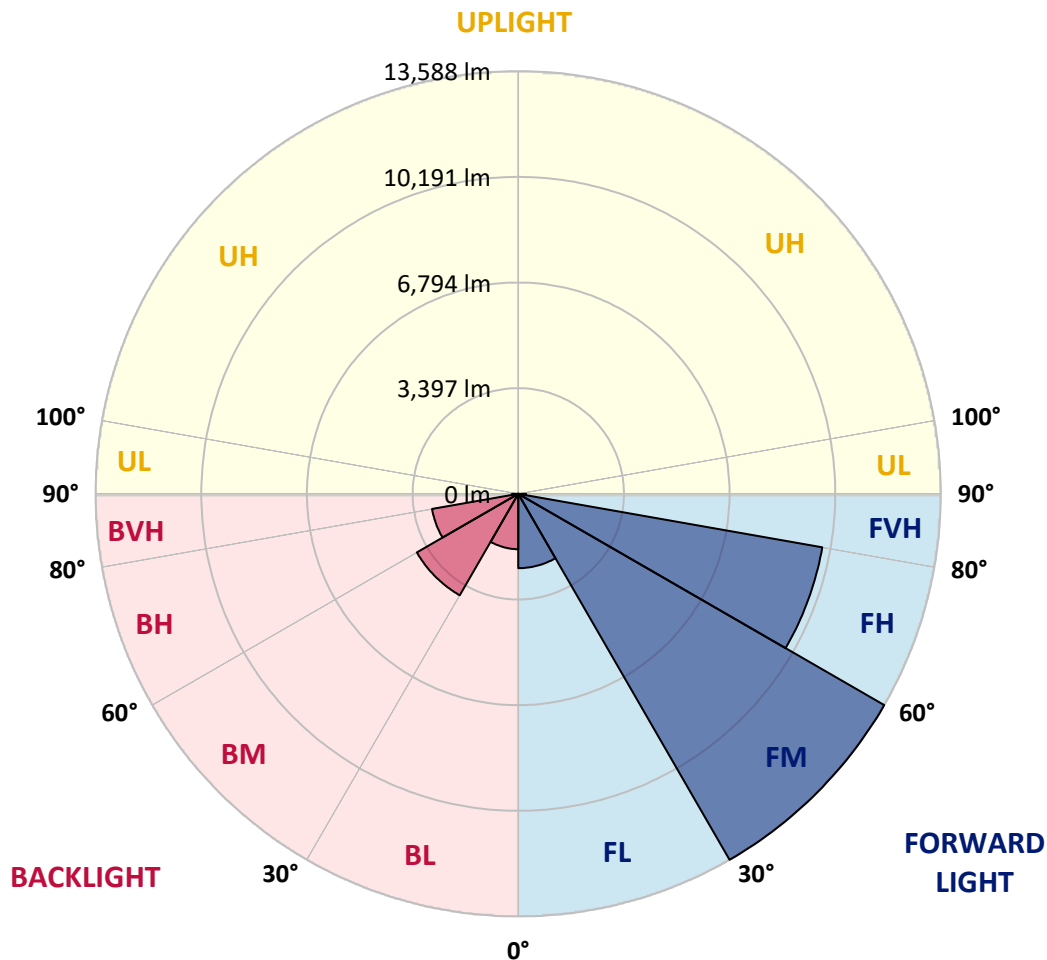
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2390.7	6.9			
FM (30°-60°)	13588.3	39.1			
FH (60°-80°)	9926.0	28.6			G4/12000
FVH (80°-90°)	254.2	0.7			G3/500
BL (0°-30°)	1780.6	5.1	B3/2500		
BM (30°-60°)	3765.6	10.8	B3/5000		
BH (60°-80°)	2812.9	8.1	B4/5000		G4/5000
BVH (80°-90°)	199.9	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°	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1
2.5°	5211.7	5241.2	5231.9	5222.7	5222.7	5209.8	5208.0	5189.6	5174.8	5150.9
5°	5278.0	5309.3	5305.6	5313.0	5337.0	5342.5	5348.0	5337.0	5307.5	5278.0
7.5°	5219.0	5254.1	5265.1	5309.3	5383.0	5449.3	5499.1	5519.3	5491.7	5449.3
10°	5020.1	5058.8	5097.5	5202.5	5333.3	5489.9	5622.5	5701.7	5696.2	5655.7
12.5°	4616.6	4657.2	4740.1	4944.6	5184.0	5460.4	5707.2	5873.0	5930.2	5900.7
15°	4294.2	4329.3	4391.9	4601.9	4913.2	5333.3	5738.6	6061.0	6206.5	6189.9
17.5°	4285.0	4299.8	4338.5	4437.9	4677.4	5134.3	5705.4	6245.2	6523.4	6521.5
20°	4447.2	4452.7	4474.8	4495.1	4631.4	4983.2	5620.7	6398.1	6878.9	6878.9
22.5°	4671.9	4668.2	4690.3	4671.9	4738.2	4970.3	5567.2	6532.6	7275.0	7304.5
25°	5009.0	4990.6	4985.1	4942.7	4955.6	5090.1	5626.2	6685.5	7744.8	7805.5
27.5°	5458.5	5429.1	5408.8	5311.2	5278.0	5337.0	5806.7	6869.7	8267.9	8373.0
30°	6044.4	5990.9	5961.5	5792.0	5672.2	5681.5	6079.4	7114.7	8815.1	8984.6
32.5°	6843.9	6761.0	6681.8	6403.6	6184.4	6112.5	6431.2	7453.7	9408.3	9679.1
35°	7739.2	7672.9	7588.2	7158.9	6821.8	6656.0	6906.5	7927.1	10102.8	10532.1
37.5°	8601.4	8544.3	8584.8	8006.3	7571.6	7330.2	7529.2	8562.7	10959.5	11593.2
40°	9493.0	9448.8	9454.3	8901.7	8395.1	8124.3	8284.5	9360.4	11941.4	12855.1
42.5°	10462.0	10428.9	10318.4	9828.3	9259.1	9006.7	9154.1	10281.5	12995.1	14292.1
45°	11547.1	11526.9	11423.7	10861.8	10209.7	9926.0	10124.9	11298.4	14054.4	15644.3
47.5°	12484.8	12501.4	12488.5	12015.1	11339.0	10922.6	11160.3	12359.5	15040.0	16915.4
50°	12936.2	13022.8	13149.9	13002.5	12582.5	12158.7	12204.8	13383.8	15979.5	18107.3
52.5°	12700.4	12864.3	13210.7	13446.5	13608.6	13520.2	13396.7	14400.7	16863.8	19183.2
55°	11821.6	12051.9	12626.7	13195.9	14023.1	14666.0	14828.1	15528.2	17726.0	20130.1
57.5°	10220.7	10594.7	11110.5	12261.9	13654.6	15220.5	16497.2	17092.2	18639.7	21141.5
60°	7475.8	7976.9	8618.0	10331.2	12365.1	14923.9	17917.6	19494.5	19938.5	22451.3
62.5°	4784.3	5093.8	5683.3	7297.1	9634.9	13404.1	18352.3	22497.4	22140.0	24599.4
65°	3275.5	3474.5	4014.2	4920.6	6228.6	9977.5	17188.0	24748.6	25636.5	28003.8
67.5°	2380.2	2531.2	2991.8	3785.8	4058.4	5904.4	13337.8	24645.4	29035.5	31511.4
70°	1735.4	1842.2	2229.1	2991.8	3122.6	3284.7	8080.0	20949.9	28961.8	32443.6
72.5°	1285.9	1359.6	1619.3	2321.2	2527.5	2218.0	3999.5	15226.1	24886.7	29344.9
75°	930.3	985.6	1177.2	1775.9	2022.8	1689.3	1995.1	8898.0	17359.4	20642.2
77.5°	711.1	753.5	878.7	1300.6	1619.3	1267.5	1238.0	4093.4	8231.1	8271.6
80°	571.1	598.7	666.9	915.6	1241.7	948.8	806.9	1652.5	2601.2	2201.5
82.5°	420.0	466.1	563.7	642.9	888.0	654.0	491.9	834.5	989.3	851.1
85°	239.5	270.8	340.8	460.6	567.4	399.8	281.9	370.3	460.6	377.7
87.5°	84.7	110.5	119.7	180.5	246.9	165.8	108.7	106.8	151.1	112.4
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°
5090.1	0°	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1	5090.1
5145.4	2.5°	5126.9	5117.7	5080.9	5031.1	4979.6	4929.8	4913.2	4878.2	4854.3	4841.4
5265.1	5°	5230.1	5200.6	5114.0	5003.5	4887.4	4762.2	4673.7	4592.7	4533.7	4478.5
5429.1	7.5°	5377.5	5325.9	5176.7	4983.2	4776.9	4568.7	4414.0	4296.1	4216.9	4165.3
5620.7	10°	5548.8	5469.6	5241.2	4951.9	4633.2	4334.8	4152.4	4051.1	4001.3	3973.7
5839.9	12.5°	5745.9	5633.6	5307.5	4880.1	4414.0	4073.2	3947.9	3918.4	3920.3	3922.1
6116.2	15°	5989.1	5832.5	5360.9	4723.5	4128.4	3872.4	3850.3	3898.2	3947.9	3971.9
6429.4	17.5°	6263.6	6042.5	5370.1	4465.6	3848.4	3743.4	3813.4	3916.6	3992.1	4025.3
6779.4	20°	6558.4	6256.2	5303.8	4100.8	3618.1	3638.4	3763.7	3896.3	3979.2	4021.6
7179.2	22.5°	6895.5	6484.7	5145.4	3717.6	3430.2	3524.2	3671.6	3800.5	3887.1	3929.5
7649.0	25°	7280.5	6740.7	4896.7	3395.2	3268.1	3395.2	3542.6	3649.5	3719.5	3758.2
8174.0	27.5°	7707.9	7007.9	4565.1	3139.2	3126.3	3262.6	3384.2	3467.1	3503.9	3533.4
8732.2	30°	8137.1	7251.0	4163.4	2945.7	3002.8	3131.8	3218.4	3255.2	3266.3	3271.8
9354.9	32.5°	8601.4	7461.0	3741.6	2785.5	2884.9	3004.7	3056.3	3072.8	3021.3	2986.3
10110.2	35°	9163.3	7685.8	3328.9	2658.3	2768.9	2872.0	2888.6	2873.9	2813.1	2741.2
11057.1	37.5°	9857.8	7965.8	2999.2	2568.1	2660.2	2728.3	2708.1	2704.4	2709.9	2625.2
12195.6	40°	10708.9	8330.6	2757.8	2498.1	2571.8	2586.5	2529.4	2560.7	2588.3	2459.4
13444.6	42.5°	11654.0	8770.9	2604.9	2450.2	2498.1	2463.1	2374.6	2409.6	2406.0	2236.5
14699.2	45°	12617.5	9249.9	2551.5	2415.2	2429.9	2359.9	2262.3	2271.5	2194.1	2041.2
15902.2	47.5°	13575.4	9763.8	2584.7	2385.7	2345.2	2265.9	2190.4	2149.9	2035.7	1921.5
17055.4	50°	14515.0	10303.6	2706.2	2326.7	2229.1	2183.0	2127.8	2055.9	1934.3	1836.7
18146.0	52.5°	15386.3	10847.1	2842.6	2229.1	2083.6	2111.2	2076.2	1993.3	1873.6	1774.1
19177.7	55°	16211.7	11390.5	2896.0	2094.6	1947.2	2048.6	2028.3	1875.4	1731.7	1650.6
20257.2	57.5°	17110.7	12044.5	2837.0	1923.3	1836.7	1976.7	1899.3	1729.9	1647.0	1586.2
21662.8	60°	18356.0	13070.7	2709.9	1711.4	1731.7	1869.9	1737.2	1667.2	1577.0	1508.8
23770.3	62.5°	20424.8	14984.7	2505.4	1501.4	1608.3	1711.4	1659.9	1589.8	1497.7	1431.4
27373.8	65°	23483.0	17644.9	2120.4	1337.5	1470.1	1556.7	1577.0	1506.9	1411.2	1341.1
30531.3	67.5°	26062.1	19314.0	1604.6	1201.1	1328.3	1431.4	1488.5	1420.4	1319.0	1250.9
31270.1	70°	25920.2	18101.8	1225.1	1066.7	1203.0	1308.0	1381.7	1328.3	1219.6	1155.1
28403.6	72.5°	23022.4	15143.2	991.1	930.3	1075.9	1179.0	1267.5	1226.9	1116.4	1053.8
20808.0	75°	16913.6	10749.4	792.2	792.2	917.4	1044.5	1142.2	1116.4	1015.1	970.9
8735.9	77.5°	7129.4	4509.8	620.8	657.7	762.7	897.2	1018.8	1028.0	939.5	994.8
2310.2	80°	1895.7	1243.5	473.5	517.7	598.7	740.6	886.1	882.4	786.6	735.1
858.5	82.5°	722.2	490.0	337.1	364.8	432.9	567.4	701.9	724.0	628.2	543.5
337.1	85°	278.2	210.0	208.2	219.2	252.4	375.8	530.6	549.0	473.5	401.6
94.0	87.5°	71.8	62.6	77.4	73.7	116.1	200.8	304.0	315.0	289.2	167.6
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°
5090.1
4856.1
4500.6
4176.3
3981.1
3925.8
3970.0
4032.7
4032.7
3940.5
3769.2
3544.5
3284.7
2997.3
2744.9
2630.7
2463.1
2234.6
2046.7
1921.5
1829.3
1775.9
1643.3
1580.6
1505.1
1431.4
1344.8
1252.7
1160.6
1053.8
958.0
902.7
683.5
543.5
414.5
239.5
0.0

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