

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: P850756

Luminaire Tested: **GLAN-SB8B-930-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850756  
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-SB8B-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30438 lumens  
Efficiency: N/A  
Efficacy: 104.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

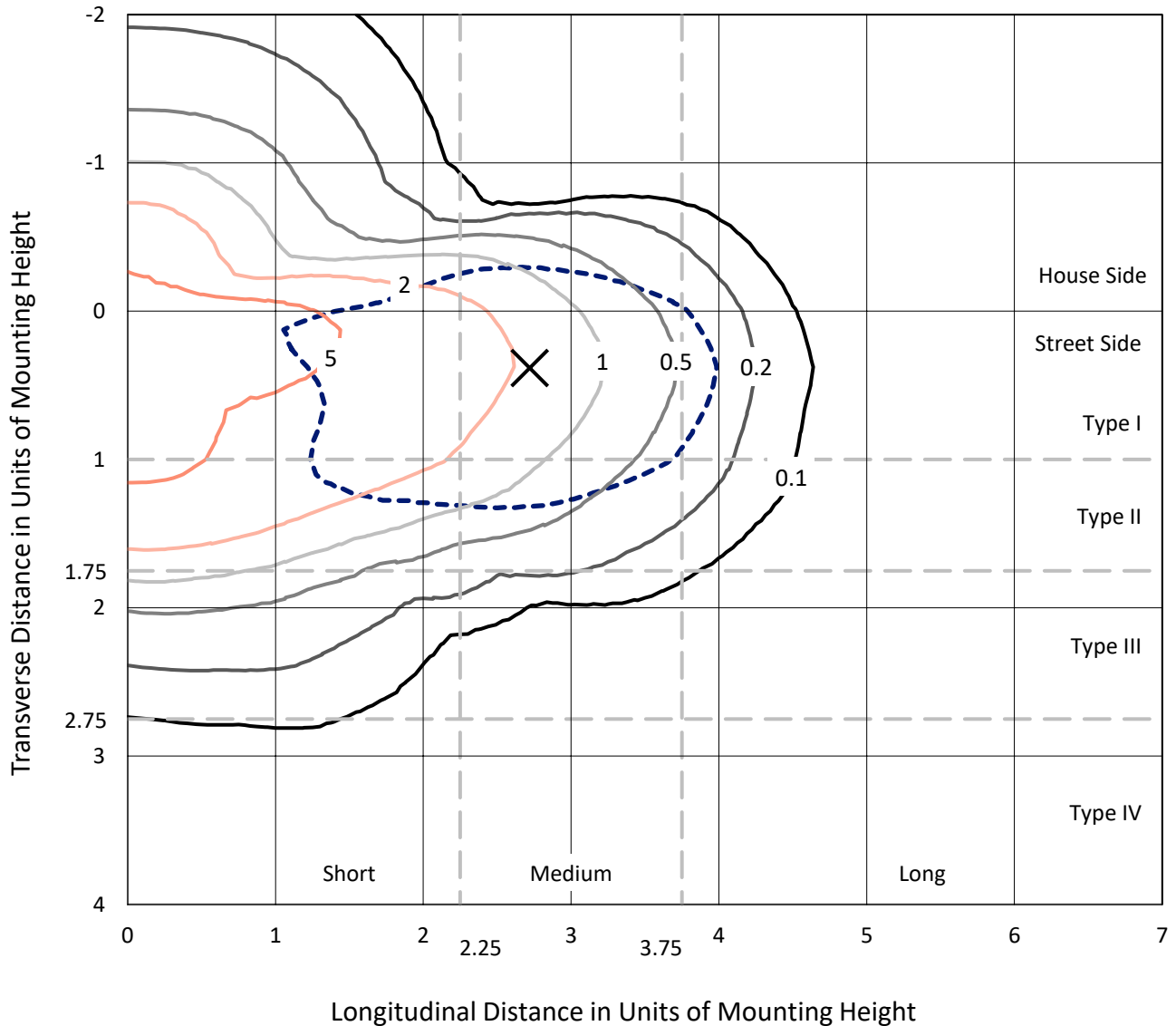
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

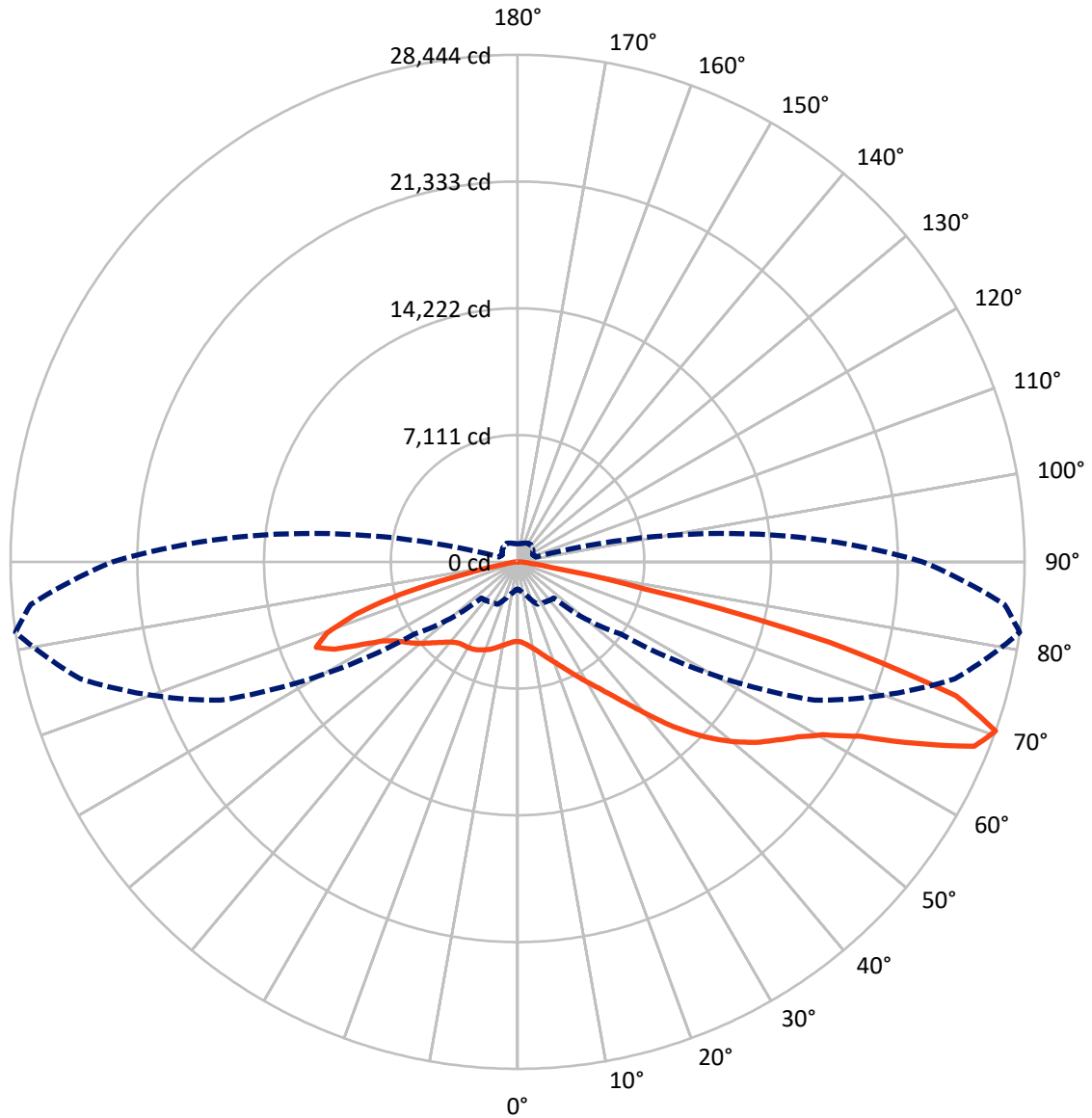
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 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	7503.7	0.0	7503.7
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	22934.3	0.0	22934.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	30438.0	0.0	30438.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	421.3	1.4
10°-20°	1210.6	4.0
20°-30°	2025.1	6.7
30°-40°	3163.8	10.4
40°-50°	5038.7	16.6
50°-60°	7012.0	23.0
60°-70°	7334.8	24.1
70°-80°	3833.6	12.6
80°-90°	398.1	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°	30438.0	100.0
0°-180°	30438.0	100.0

**Coefficient of Utilization**

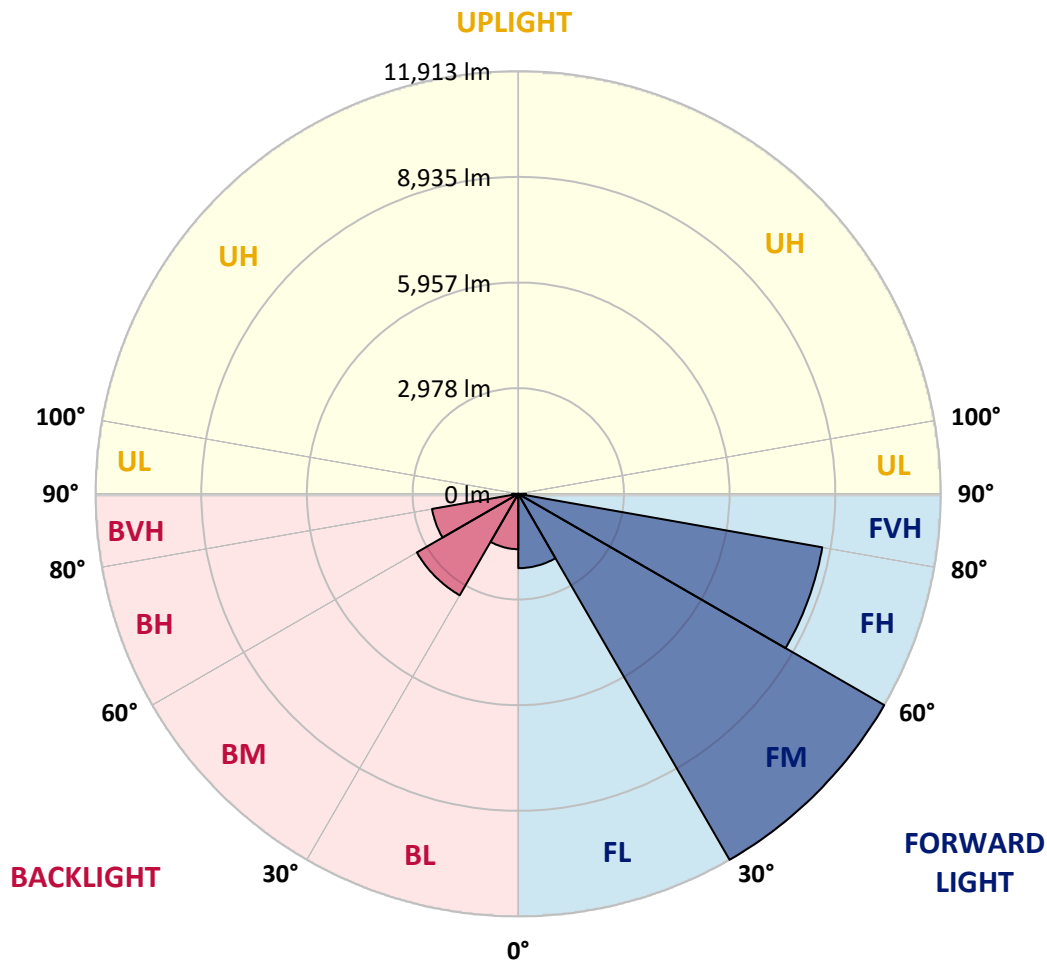


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2096.0	6.9			
FM (30°-60°)	11913.1	39.1			
FH (60°-80°)	8702.3	28.6			G4/12000
FVH (80°-90°)	222.8	0.7			G2/225
BL (0°-30°)	1561.0	5.1	B3/2500		
BM (30°-60°)	3301.3	10.8	B3/5000		
BH (60°-80°)	2466.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	175.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6
2.5°	4569.2	4595.0	4587.0	4578.9	4578.9	4567.6	4566.0	4549.8	4536.9	4515.9
5°	4627.3	4654.8	4651.6	4658.0	4679.0	4683.9	4688.7	4679.0	4653.2	4627.3
7.5°	4575.7	4606.3	4616.0	4654.8	4719.4	4777.5	4821.1	4838.9	4814.7	4777.5
10°	4401.2	4435.1	4469.1	4561.1	4675.8	4813.1	4929.4	4998.8	4994.0	4958.4
12.5°	4047.5	4083.0	4155.7	4335.0	4545.0	4787.2	5003.7	5149.0	5199.1	5173.2
15°	3764.9	3795.5	3850.5	4034.6	4307.5	4675.8	5031.1	5313.8	5441.4	5426.8
17.5°	3756.8	3769.7	3803.6	3890.8	4100.8	4501.4	5002.0	5475.3	5719.2	5717.5
20°	3898.9	3903.8	3923.1	3940.9	4060.4	4368.9	4927.7	5609.3	6030.9	6030.9
22.5°	4096.0	4092.7	4112.1	4096.0	4154.1	4357.6	4880.9	5727.2	6378.1	6404.0
25°	4391.5	4375.4	4370.5	4333.4	4344.7	4462.6	4932.6	5861.3	6790.0	6843.3
27.5°	4785.6	4759.8	4742.0	4656.4	4627.3	4679.0	5090.9	6022.8	7248.7	7340.7
30°	5299.2	5252.4	5226.5	5078.0	4973.0	4981.0	5329.9	6237.6	7728.4	7877.0
32.5°	6000.2	5927.5	5858.1	5614.2	5422.0	5359.0	5638.4	6534.8	8248.4	8485.9
35°	6785.1	6727.0	6652.7	6276.4	5980.8	5835.4	6055.1	6949.9	8857.3	9233.7
37.5°	7541.0	7491.0	7526.5	7019.3	6638.2	6426.6	6601.0	7507.1	9608.4	10164.0
40°	8322.7	8284.0	8288.8	7804.3	7360.1	7122.7	7263.2	8206.5	10469.2	11270.3
42.5°	9172.3	9143.2	9046.3	8616.7	8117.6	7896.3	8025.6	9014.0	11393.1	12530.1
45°	10123.6	10105.8	10015.4	9522.8	8951.0	8702.3	8876.7	9905.6	12321.8	13715.6
47.5°	10945.7	10960.2	10948.9	10533.8	9941.1	9576.1	9784.4	10835.9	13185.9	14830.1
50°	11341.4	11417.3	11528.8	11399.6	11031.3	10659.8	10700.2	11733.9	14009.6	15875.1
52.5°	11134.7	11278.4	11582.1	11788.8	11930.9	11853.4	11745.2	12625.4	14784.9	16818.3
55°	10364.3	10566.2	11070.1	11569.1	12294.3	12858.0	13000.1	13613.9	15540.7	17648.5
57.5°	8960.7	9288.6	9740.8	10750.3	11971.3	13344.2	14463.4	14985.1	16341.8	18535.2
60°	6554.2	6993.5	7555.6	9057.6	10840.7	13084.1	15708.7	17091.3	17480.5	19683.5
62.5°	4194.5	4465.8	4982.7	6397.5	8447.1	11751.7	16089.9	19723.9	19410.6	21566.8
65°	2871.7	3046.1	3519.4	4314.0	5460.7	8747.5	15069.1	21697.6	22476.1	24551.5
67.5°	2086.7	2219.2	2623.0	3319.1	3558.1	5176.5	11693.5	21607.1	25456.0	27626.7
70°	1521.4	1615.1	1954.3	2623.0	2737.6	2879.8	7083.9	18367.2	25391.4	28444.0
72.5°	1127.4	1192.0	1419.7	2035.1	2216.0	1944.6	3506.4	13349.0	21818.7	25727.3
75°	815.6	864.1	1032.1	1557.0	1773.4	1481.1	1749.2	7801.1	15219.3	18097.5
77.5°	623.4	660.6	770.4	1140.3	1419.7	1111.2	1085.4	3588.8	7216.4	7251.9
80°	500.7	524.9	584.7	802.7	1088.6	831.8	707.4	1448.8	2280.6	1930.1
82.5°	368.2	408.6	494.2	563.7	778.5	573.4	431.2	731.7	867.3	746.2
85°	210.0	237.4	298.8	403.8	497.5	350.5	247.1	324.6	403.8	331.1
87.5°	74.3	96.9	105.0	158.3	216.4	145.4	95.3	93.7	132.4	98.5
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°
4462.6	0°	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6	4462.6
4511.0	2.5°	4494.9	4486.8	4454.5	4410.9	4365.7	4322.1	4307.5	4276.9	4255.9	4244.5
4616.0	5°	4585.3	4559.5	4483.6	4386.7	4284.9	4175.1	4097.6	4026.5	3974.8	3926.4
4759.8	7.5°	4714.6	4669.3	4538.5	4368.9	4188.0	4005.5	3869.8	3766.5	3697.0	3651.8
4927.7	10°	4864.8	4795.3	4595.0	4341.5	4062.0	3800.4	3640.5	3551.7	3508.1	3483.8
5119.9	12.5°	5037.6	4939.1	4653.2	4278.5	3869.8	3571.0	3461.2	3435.4	3437.0	3438.6
5362.2	15°	5250.8	5113.5	4700.0	4141.2	3619.5	3395.0	3375.6	3417.6	3461.2	3482.2
5636.8	17.5°	5491.4	5297.6	4708.1	3915.1	3374.0	3281.9	3343.3	3433.8	3500.0	3529.0
5943.7	20°	5749.8	5485.0	4649.9	3595.3	3172.1	3189.9	3299.7	3416.0	3488.7	3525.8
6294.1	22.5°	6045.4	5685.2	4511.0	3259.3	3007.4	3089.7	3218.9	3332.0	3407.9	3445.1
6706.0	25°	6383.0	5909.7	4293.0	2976.7	2865.2	2976.7	3105.9	3199.6	3260.9	3294.9
7166.3	27.5°	6757.7	6143.9	4002.3	2752.2	2740.9	2860.4	2967.0	3039.7	3072.0	3097.8
7655.7	30°	7134.0	6357.1	3650.2	2582.6	2632.7	2745.7	2821.6	2853.9	2863.6	2868.5
8201.6	32.5°	7541.0	6541.3	3280.3	2442.1	2529.3	2634.3	2679.5	2694.0	2648.8	2618.1
8863.8	35°	8033.6	6738.3	2918.5	2330.6	2427.5	2518.0	2532.5	2519.6	2466.3	2403.3
9694.0	37.5°	8642.5	6983.8	2629.4	2251.5	2332.2	2392.0	2374.2	2371.0	2375.8	2301.6
10692.1	40°	9388.7	7303.6	2417.8	2190.1	2254.7	2267.6	2217.6	2245.0	2269.3	2156.2
11787.2	42.5°	10217.3	7689.6	2283.8	2148.1	2190.1	2159.4	2081.9	2112.6	2109.4	1960.8
12887.1	45°	11062.0	8109.5	2236.9	2117.4	2130.4	2069.0	1983.4	1991.4	1923.6	1789.6
13941.8	47.5°	11901.9	8560.2	2266.0	2091.6	2056.1	1986.6	1920.4	1884.9	1784.7	1684.6
14952.8	50°	12725.6	9033.4	2372.6	2039.9	1954.3	1913.9	1865.5	1802.5	1695.9	1610.3
15909.0	52.5°	13489.5	9509.9	2492.1	1954.3	1826.7	1850.9	1820.2	1747.6	1642.6	1555.4
16813.5	55°	14213.1	9986.3	2539.0	1836.4	1707.2	1796.0	1778.3	1644.2	1518.2	1447.2
17759.9	57.5°	15001.3	10559.7	2487.3	1686.2	1610.3	1733.0	1665.2	1516.6	1443.9	1390.6
18992.3	60°	16093.1	11459.3	2375.8	1500.5	1518.2	1639.4	1523.1	1461.7	1382.5	1322.8
20840.0	62.5°	17906.9	13137.4	2196.6	1316.3	1410.0	1500.5	1455.2	1393.9	1313.1	1255.0
23999.1	65°	20588.0	15469.7	1859.0	1172.6	1288.9	1364.8	1382.5	1321.2	1237.2	1175.8
26767.5	67.5°	22849.2	16933.0	1406.8	1053.1	1164.5	1255.0	1305.0	1245.3	1156.4	1096.7
27415.1	70°	22724.8	15870.2	1074.1	935.2	1054.7	1146.7	1211.3	1164.5	1069.2	1012.7
24902.0	72.5°	20184.2	13276.3	868.9	815.6	943.2	1033.7	1111.2	1075.7	978.8	923.9
18242.8	75°	14828.5	9424.3	694.5	694.5	804.3	915.8	1001.4	978.8	889.9	851.2
7658.9	77.5°	6250.5	3953.8	544.3	576.6	668.7	786.6	893.2	901.2	823.7	872.2
2025.4	80°	1662.0	1090.2	415.1	453.9	524.9	649.3	776.9	773.6	689.7	644.4
752.6	82.5°	633.1	429.6	295.6	319.8	379.6	497.5	615.4	634.7	550.8	476.5
295.6	85°	243.9	184.1	182.5	192.2	221.3	329.5	465.2	481.3	415.1	352.1
82.4	87.5°	63.0	54.9	67.8	64.6	101.8	176.0	266.5	276.2	253.6	147.0
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°
4462.6
4257.5
3945.8
3661.5
3490.3
3441.8
3480.6
3535.5
3535.5
3454.8
3304.5
3107.5
2879.8
2627.8
2406.5
2306.4
2159.4
1959.1
1794.4
1684.6
1603.8
1557.0
1440.7
1385.8
1319.6
1255.0
1179.0
1098.3
1017.5
923.9
839.9
791.4
599.2
476.5
363.4
210.0
0.0

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