

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: P850076

Luminaire Tested: **GLAN-SB7B-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850076
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-SB7B-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 26770 lumens
Efficiency: N/A
Efficacy: 104.3 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

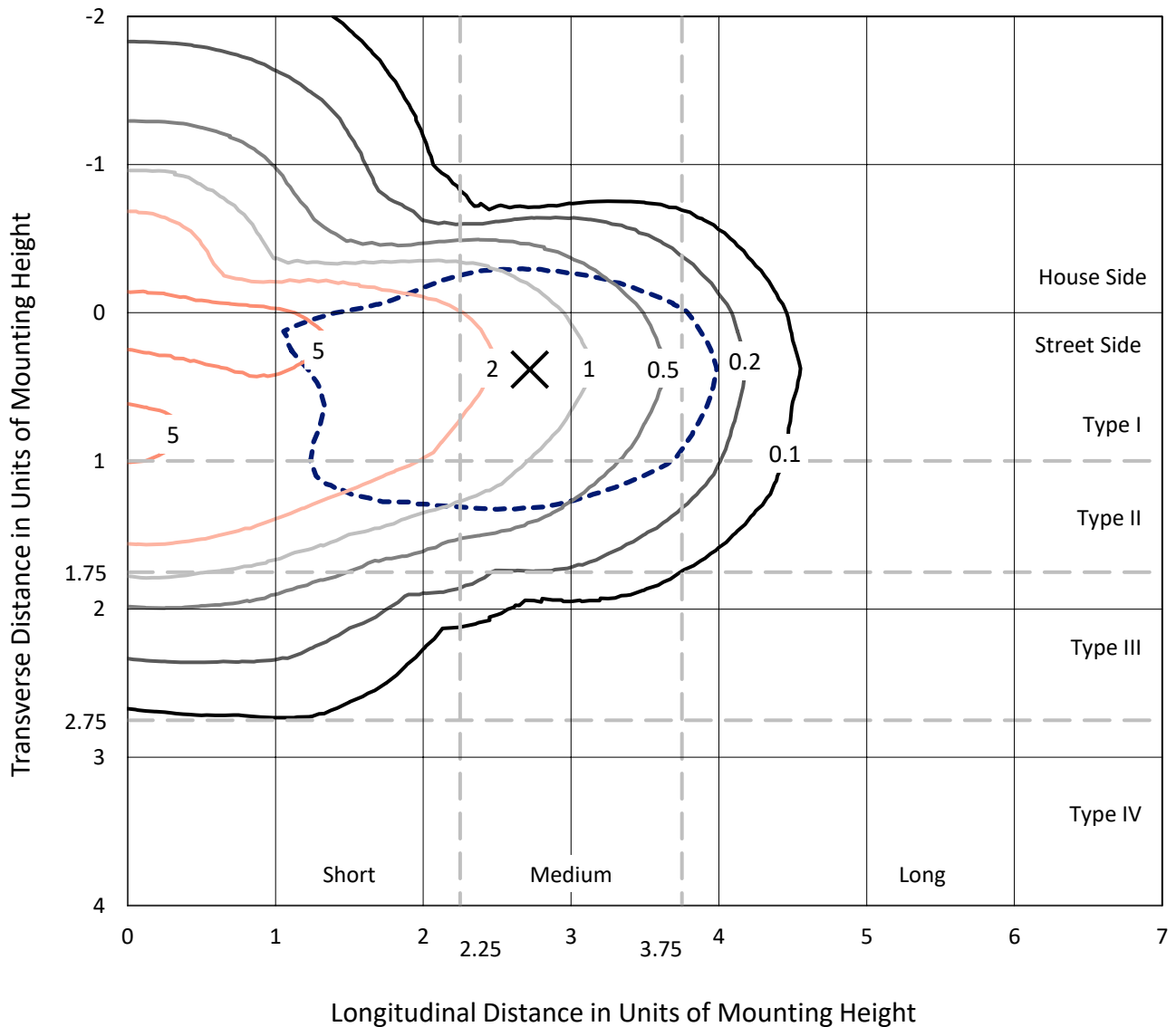
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

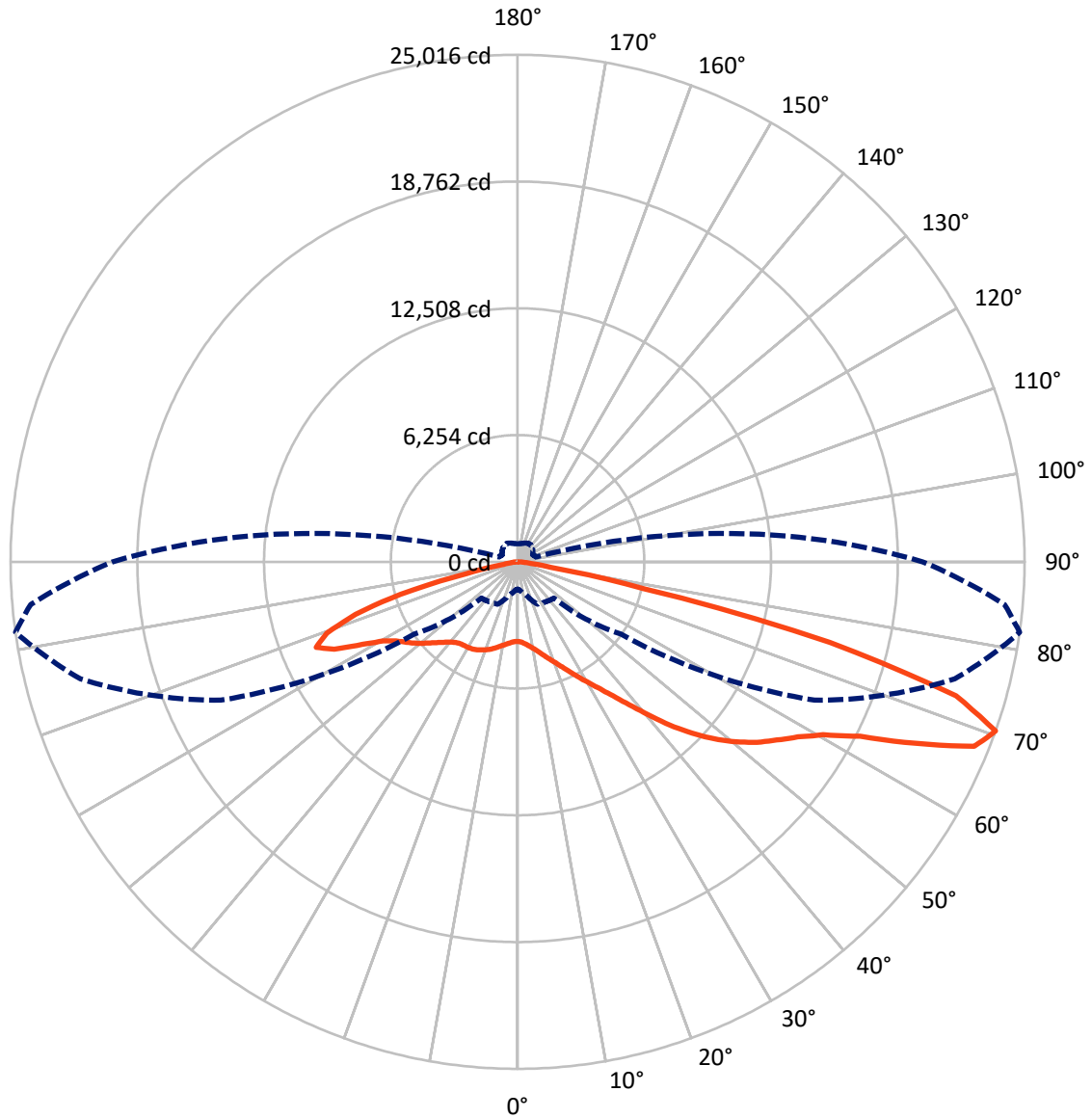
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 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
House Side	Lumens	6599.5	0.0	6599.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	20170.5	0.0	20170.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	26770.0	0.0	26770.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.6	1.4
10°-20°	1064.7	4.0
20°-30°	1781.1	6.7
30°-40°	2782.5	10.4
40°-50°	4431.5	16.6
50°-60°	6167.0	23.0
60°-70°	6450.9	24.1
70°-80°	3371.6	12.6
80°-90°	350.1	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°	26770.0	100.0
0°-180°	26770.0	100.0

Coefficient of Utilization

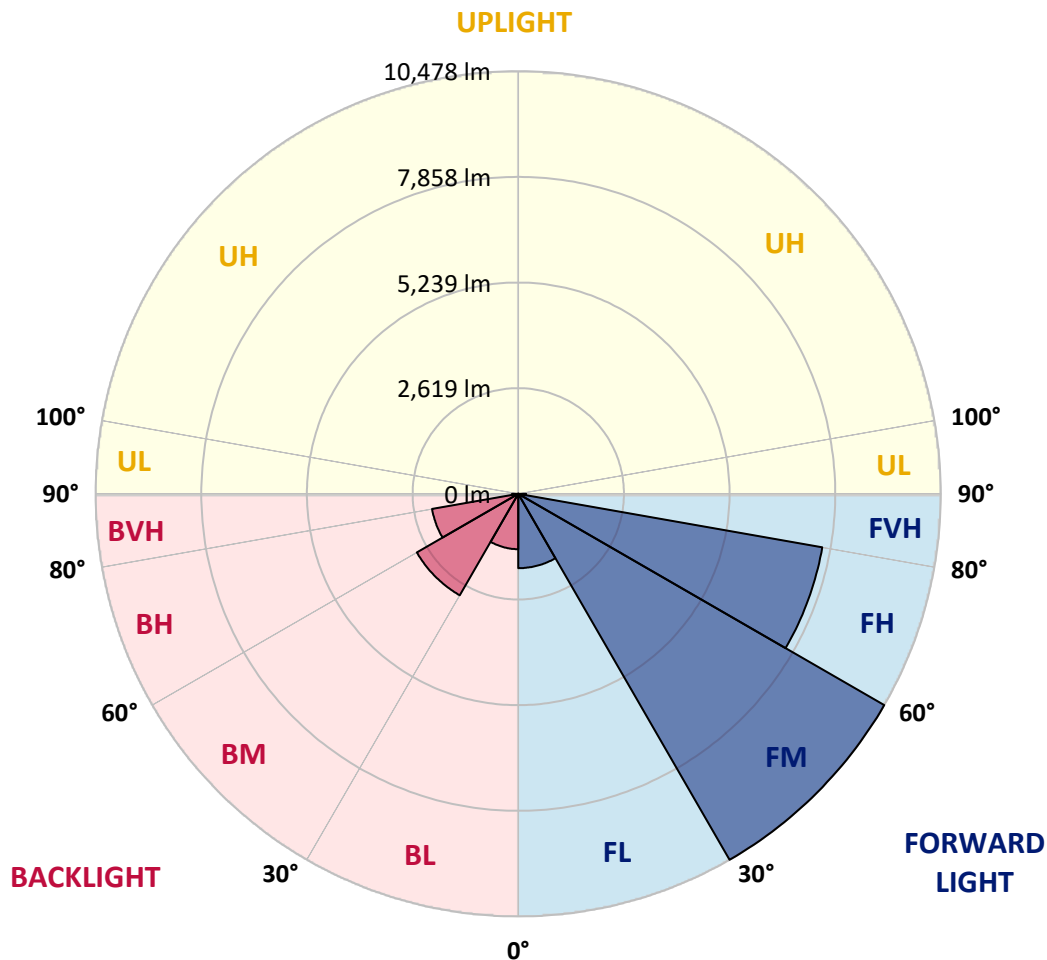


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1843.4	6.9			
FM (30°-60°)	10477.5	39.1			
FH (60°-80°)	7653.6	28.6			G4/12000
FVH (80°-90°)	196.0	0.7			G2/225
BL (0°-30°)	1372.9	5.1	B3/2500		
BM (30°-60°)	2903.5	10.8	B3/5000		
BH (60°-80°)	2168.9	8.1	B3/2500		G3/2500
BVH (80°-90°)	154.1	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°	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8
2.5°	4018.6	4041.3	4034.2	4027.1	4027.1	4017.1	4015.7	4001.5	3990.2	3971.7
5°	4069.7	4093.9	4091.0	4096.7	4115.2	4119.4	4123.7	4115.2	4092.4	4069.7
7.5°	4024.3	4051.2	4059.8	4093.9	4150.7	4201.8	4240.2	4255.8	4234.5	4201.8
10°	3870.8	3900.7	3930.5	4011.5	4112.3	4233.1	4335.3	4396.4	4392.2	4360.9
12.5°	3559.8	3591.0	3654.9	3812.6	3997.3	4210.3	4400.7	4528.5	4572.6	4549.8
15°	3311.2	3338.2	3386.5	3548.4	3788.4	4112.3	4424.8	4673.4	4785.6	4772.8
17.5°	3304.1	3315.4	3345.3	3422.0	3606.6	3958.9	4399.3	4815.5	5030.0	5028.5
20°	3429.1	3433.3	3450.4	3466.0	3571.1	3842.4	4333.9	4933.4	5304.1	5304.1
22.5°	3602.4	3599.5	3616.6	3602.4	3653.5	3832.5	4292.7	5037.1	5609.5	5632.2
25°	3862.3	3848.1	3843.8	3811.2	3821.1	3924.8	4338.2	5155.0	5971.7	6018.6
27.5°	4208.9	4186.2	4170.6	4095.3	4069.7	4115.2	4477.4	5297.0	6375.2	6456.1
30°	4660.6	4619.4	4596.7	4466.0	4373.7	4380.8	4687.6	5485.9	6797.0	6927.7
32.5°	5277.1	5213.2	5152.1	4937.6	4768.6	4713.2	4958.9	5747.3	7254.4	7463.3
35°	5967.5	5916.3	5851.0	5520.0	5260.1	5132.2	5325.4	6112.4	7790.0	8120.9
37.5°	6632.3	6588.2	6619.5	6173.5	5838.2	5652.1	5805.5	6602.4	8450.5	8939.2
40°	7319.8	7285.7	7290.0	6863.8	6473.2	6264.4	6387.9	7217.5	9207.6	9912.2
42.5°	8067.0	8041.4	7956.2	7578.3	7139.4	6944.8	7058.4	7927.8	10020.1	11020.2
45°	8903.6	8888.0	8808.5	8375.2	7872.4	7653.6	7807.0	8711.9	10836.9	12062.8
47.5°	9626.7	9639.5	9629.5	9264.4	8743.1	8422.1	8605.3	9530.1	11596.9	13042.9
50°	9974.7	10041.5	10139.5	10025.8	9702.0	9375.2	9410.8	10319.9	12321.3	13962.0
52.5°	9792.9	9919.3	10186.3	10368.2	10493.2	10425.0	10329.8	11104.0	13003.2	14791.6
55°	9115.3	9292.9	9736.0	10175.0	10812.8	11308.5	11433.5	11973.3	13668.0	15521.7
57.5°	7880.9	8169.2	8567.0	9454.8	10528.7	11736.1	12720.5	13179.3	14372.5	16301.6
60°	5764.4	6150.7	6645.1	7966.1	9534.3	11507.4	13815.7	15031.6	15374.0	17311.5
62.5°	3689.0	3927.7	4382.2	5626.6	7429.2	10335.5	14150.9	17347.0	17071.5	18967.8
65°	2525.6	2679.0	3095.2	3794.1	4802.7	7693.4	13253.2	19082.9	19767.6	21592.9
67.5°	1835.3	1951.8	2306.9	2919.1	3129.3	4552.7	10284.4	19003.3	22388.4	24297.5
70°	1338.1	1420.5	1718.8	2306.9	2407.7	2532.7	6230.3	16153.8	22331.5	25016.3
72.5°	991.5	1048.3	1248.6	1789.8	1948.9	1710.3	3083.9	11740.4	19189.4	22627.0
75°	717.3	760.0	907.7	1369.4	1559.7	1302.6	1538.4	6861.0	13385.3	15916.6
77.5°	548.3	581.0	677.6	1002.9	1248.6	977.3	954.6	3156.3	6346.8	6378.0
80°	440.4	461.7	514.2	706.0	957.4	731.6	622.2	1274.2	2005.7	1697.5
82.5°	323.9	359.4	434.7	495.8	684.7	504.3	379.3	643.5	762.8	656.3
85°	184.7	208.8	262.8	355.1	437.5	308.2	217.3	285.5	355.1	291.2
87.5°	65.3	85.2	92.3	139.2	190.3	127.8	83.8	82.4	116.5	86.6
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°
3924.8	0°	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8	3924.8
3967.4	2.5°	3953.2	3946.1	3917.7	3879.4	3839.6	3801.2	3788.4	3761.5	3743.0	3733.1
4059.8	5°	4032.8	4010.0	3943.3	3858.1	3768.6	3672.0	3603.8	3541.3	3495.8	3453.2
4186.2	7.5°	4146.4	4106.6	3991.6	3842.4	3683.3	3522.8	3403.5	3312.6	3251.5	3211.7
4333.9	10°	4278.5	4217.4	4041.3	3818.3	3572.5	3342.4	3201.8	3123.7	3085.3	3064.0
4503.0	12.5°	4430.5	4343.9	4092.4	3762.9	3403.5	3140.7	3044.1	3021.4	3022.8	3024.2
4716.0	15°	4618.0	4497.3	4133.6	3642.1	3183.3	2985.9	2968.8	3005.8	3044.1	3062.6
4957.5	17.5°	4829.7	4659.2	4140.7	3443.3	2967.4	2886.4	2940.4	3020.0	3078.2	3103.8
5227.4	20°	5056.9	4824.0	4089.6	3162.0	2789.8	2805.5	2902.1	3004.3	3068.3	3100.9
5535.7	22.5°	5316.9	5000.1	3967.4	2866.6	2645.0	2717.4	2831.0	2930.5	2997.2	3029.9
5897.9	25°	5613.8	5197.6	3775.7	2618.0	2520.0	2618.0	2731.6	2814.0	2868.0	2897.8
6302.7	27.5°	5943.3	5403.5	3520.0	2420.5	2410.6	2515.7	2609.4	2673.4	2701.8	2724.5
6733.1	30°	6274.3	5591.1	3210.3	2271.4	2315.4	2414.8	2481.6	2510.0	2518.5	2522.8
7213.3	32.5°	6632.3	5753.0	2885.0	2147.8	2224.5	2316.8	2356.6	2369.4	2329.6	2302.6
7795.7	35°	7065.5	5926.3	2566.8	2049.8	2135.0	2214.5	2227.3	2216.0	2169.1	2113.7
8525.8	37.5°	7601.0	6142.2	2312.6	1980.2	2051.2	2103.7	2088.1	2085.3	2089.5	2024.2
9403.7	40°	8257.3	6423.5	2126.5	1926.2	1983.0	1994.4	1950.3	1974.5	1995.8	1896.4
10366.7	42.5°	8986.0	6763.0	2008.6	1889.3	1926.2	1899.2	1831.0	1858.0	1855.2	1724.5
11334.1	45°	9728.9	7132.3	1967.4	1862.3	1873.6	1819.6	1744.4	1751.5	1691.8	1573.9
12261.7	47.5°	10467.6	7528.6	1992.9	1839.5	1808.3	1747.2	1689.0	1657.7	1569.6	1481.6
13150.9	50°	11192.0	7944.8	2086.7	1794.1	1718.8	1683.3	1640.7	1585.3	1491.5	1416.2
13991.8	52.5°	11863.9	8363.9	2191.8	1718.8	1606.6	1627.9	1600.9	1537.0	1444.6	1367.9
14787.3	55°	12500.3	8782.9	2233.0	1615.1	1501.5	1579.6	1564.0	1446.1	1335.3	1272.8
15619.7	57.5°	13193.5	9287.2	2187.6	1483.0	1416.2	1524.2	1464.5	1333.8	1269.9	1223.0
16703.6	60°	14153.8	10078.4	2089.5	1319.6	1335.3	1441.8	1339.5	1285.5	1215.9	1163.4
18328.6	62.5°	15749.0	11554.3	1931.9	1157.7	1240.1	1319.6	1279.9	1225.9	1154.9	1103.7
21107.1	65°	18107.0	13605.5	1635.0	1031.3	1133.6	1200.3	1215.9	1162.0	1088.1	1034.1
23541.8	67.5°	20095.7	14892.4	1237.2	926.2	1024.2	1103.7	1147.8	1095.2	1017.1	964.5
24111.4	70°	19986.3	13957.7	944.6	822.5	927.6	1008.5	1065.4	1024.2	940.4	890.6
21901.1	72.5°	17751.9	11676.4	764.2	717.3	829.6	909.1	977.3	946.0	860.8	812.5
16044.4	75°	13041.5	8288.6	610.8	610.8	707.4	805.4	880.7	860.8	782.7	748.6
6736.0	77.5°	5497.3	3477.4	478.7	507.1	588.1	691.8	785.5	792.6	724.5	767.1
1781.3	80°	1461.7	958.8	365.1	399.2	461.7	571.0	683.3	680.4	606.5	566.8
661.9	82.5°	556.8	377.9	259.9	281.3	333.8	437.5	541.2	558.3	484.4	419.0
259.9	85°	214.5	161.9	160.5	169.0	194.6	289.8	409.1	423.3	365.1	309.7
72.4	87.5°	55.4	48.3	59.7	56.8	89.5	154.8	234.4	242.9	223.0	129.3
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°
3924.8
3744.4
3470.3
3220.3
3069.7
3027.1
3061.2
3109.5
3109.5
3038.4
2906.3
2733.0
2532.7
2311.1
2116.5
2028.5
1899.2
1723.1
1578.2
1481.6
1410.5
1369.4
1267.1
1218.8
1160.5
1103.7
1037.0
965.9
894.9
812.5
738.7
696.0
527.0
419.0
319.6
184.7
0.0

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