

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: P848006

Luminaire Tested: **GLAN-SB4B-840-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848006  
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-SB4B-840-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19886 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

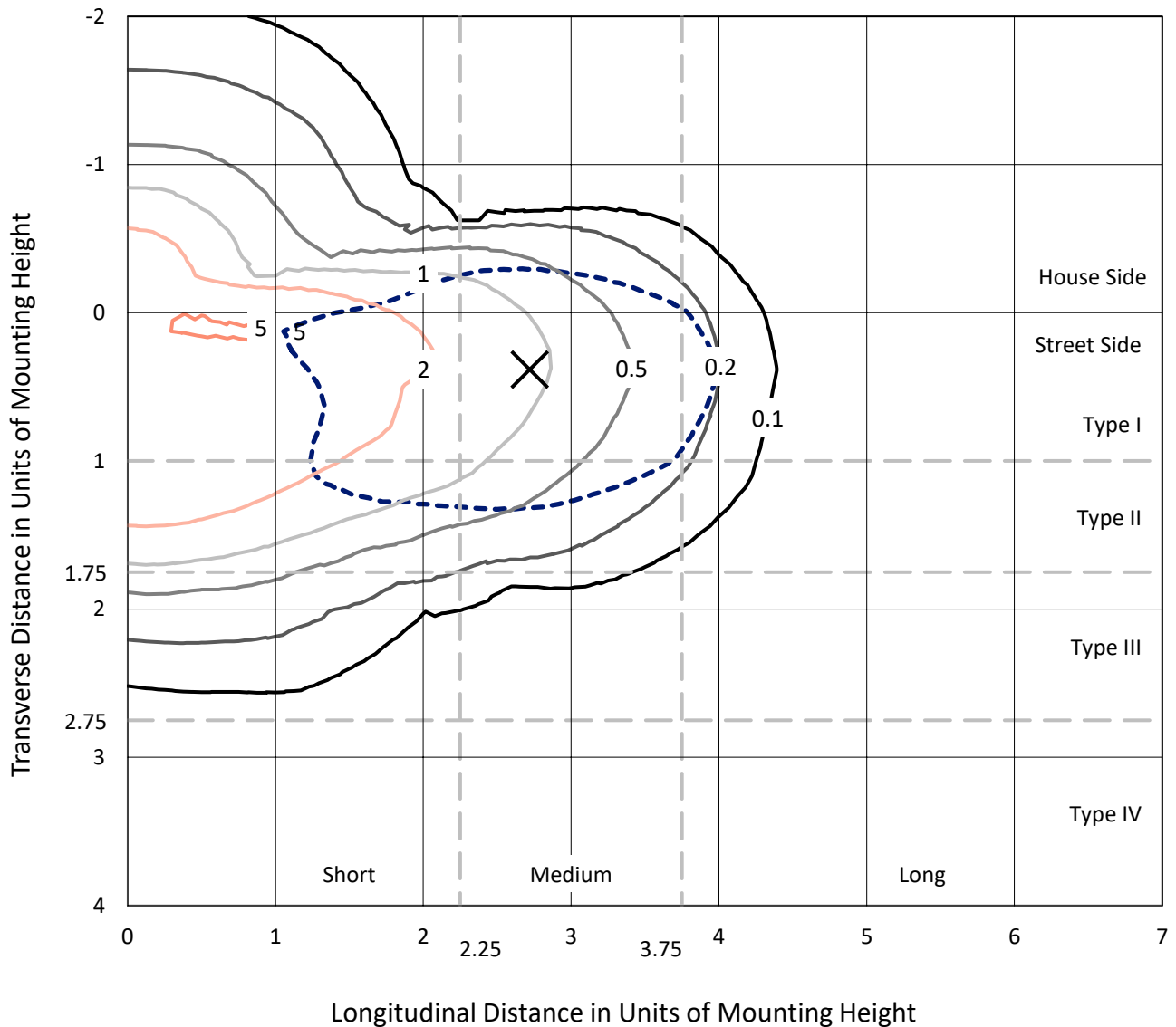
Input Watts (W): 147  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

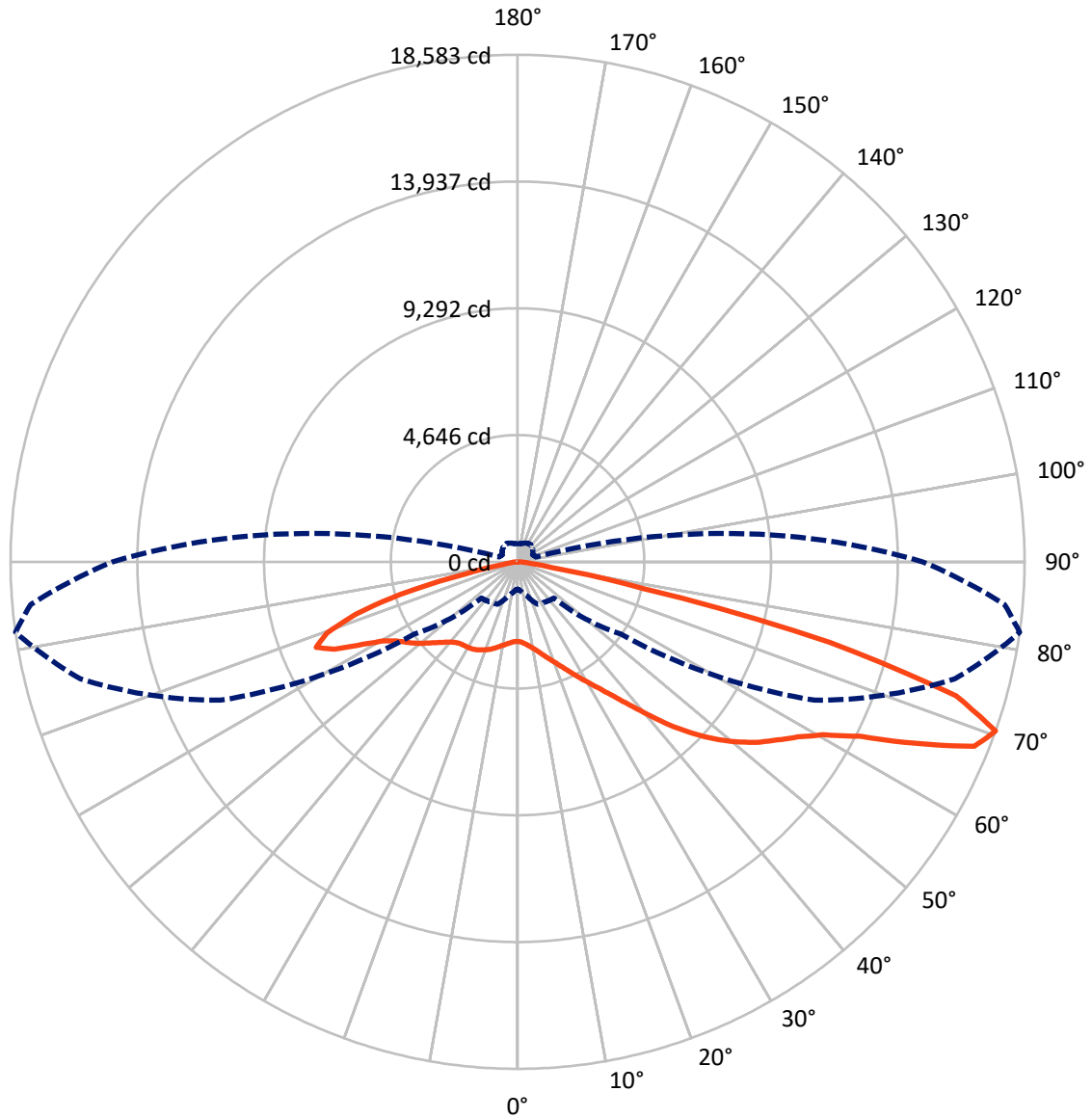
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 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	4902.4	0.0	4902.4
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	14983.6	0.0	14983.6
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	19886.0	0.0	19886.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.3	1.4
10°-20°	790.9	4.0
20°-30°	1323.1	6.7
30°-40°	2067.0	10.4
40°-50°	3291.9	16.6
50°-60°	4581.1	23.0
60°-70°	4792.1	24.1
70°-80°	2504.6	12.6
80°-90°	260.1	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°	19886.0	100.0
0°-180°	19886.0	100.0

**Coefficient of Utilization**

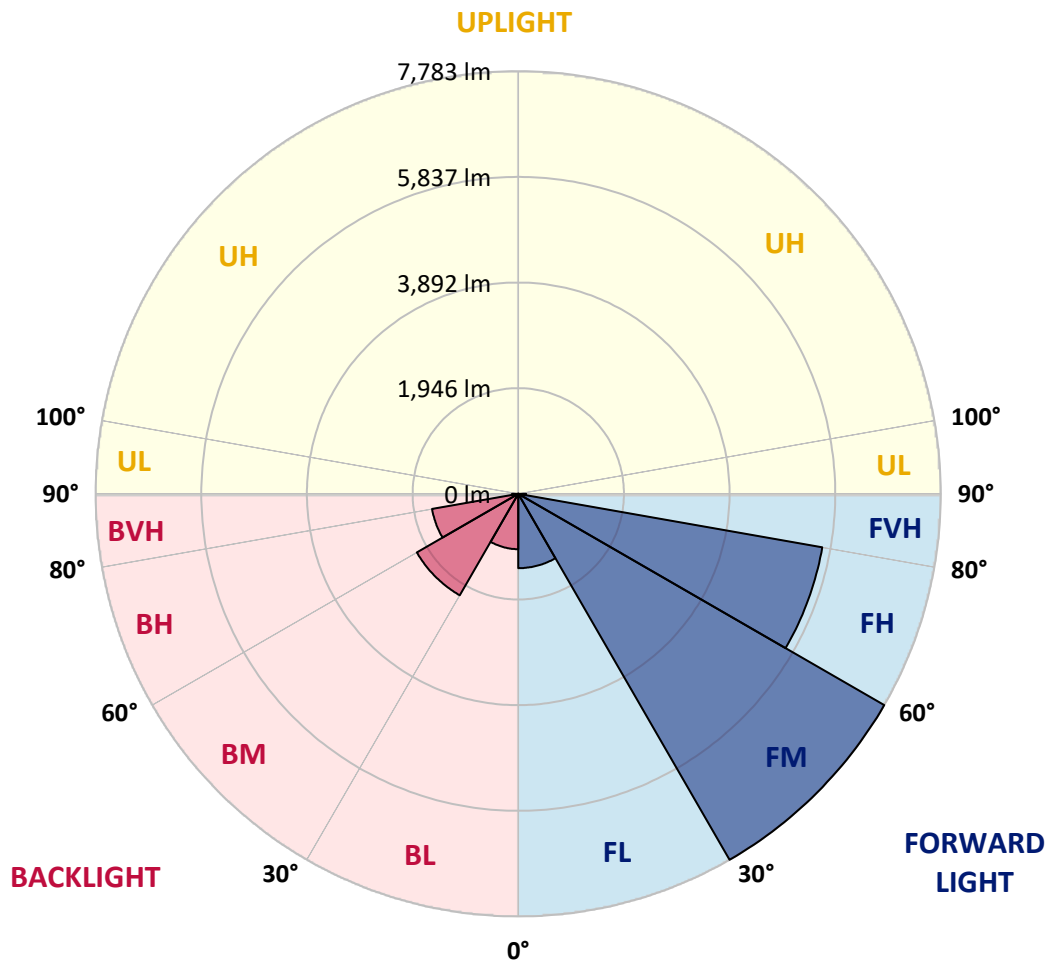


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1369.4	6.9			
FM (30°-60°)	7783.2	39.1			
FH (60°-80°)	5685.5	28.6			G3/7500
FVH (80°-90°)	145.6	0.7			G2/225
BL (0°-30°)	1019.9	5.1	B3/2500		
BM (30°-60°)	2156.9	10.8	B2/2500		
BH (60°-80°)	1611.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	114.5	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-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5
2.5°	2985.2	3002.1	2996.8	2991.5	2991.5	2984.1	2983.1	2972.5	2964.1	2950.4
5°	3023.2	3041.1	3039.0	3043.2	3056.9	3060.1	3063.3	3056.9	3040.1	3023.2
7.5°	2989.4	3009.4	3015.8	3041.1	3083.3	3121.3	3149.8	3161.4	3145.6	3121.3
10°	2875.4	2897.6	2919.8	2979.9	3054.8	3144.5	3220.5	3265.9	3262.7	3239.5
12.5°	2644.3	2667.6	2715.0	2832.2	2969.4	3127.6	3269.0	3364.0	3396.7	3379.8
15°	2459.7	2479.7	2515.6	2635.9	2814.2	3054.8	3287.0	3471.6	3555.0	3545.5
17.5°	2454.4	2462.9	2485.0	2542.0	2679.2	2940.9	3268.0	3577.2	3736.5	3735.4
20°	2547.3	2550.4	2563.1	2574.7	2652.8	2854.3	3219.4	3664.7	3940.1	3940.1
22.5°	2676.0	2673.9	2686.6	2676.0	2714.0	2846.9	3188.8	3741.8	4167.0	4183.9
25°	2869.1	2858.6	2855.4	2831.1	2838.5	2915.5	3222.6	3829.3	4436.1	4470.9
27.5°	3126.6	3109.7	3098.1	3042.2	3023.2	3056.9	3326.0	3934.9	4735.8	4795.9
30°	3462.1	3431.5	3414.6	3317.6	3249.0	3254.3	3482.2	4075.2	5049.2	5146.2
32.5°	3920.1	3872.6	3827.2	3667.9	3542.3	3501.2	3683.7	4269.4	5388.9	5544.1
35°	4432.9	4394.9	4346.4	4100.5	3907.4	3812.5	3956.0	4540.6	5786.8	6032.6
37.5°	4926.8	4894.0	4917.3	4585.9	4336.9	4198.7	4312.6	4904.6	6277.4	6640.4
40°	5437.5	5412.2	5415.3	5098.8	4808.6	4653.5	4745.3	5361.5	6839.9	7363.2
42.5°	5992.5	5973.5	5910.2	5629.5	5303.5	5158.9	5243.3	5889.1	7443.4	8186.3
45°	6614.0	6602.4	6543.3	6221.5	5848.0	5685.5	5799.4	6471.6	8050.2	8960.8
47.5°	7151.1	7160.6	7153.2	6882.1	6494.8	6256.3	6392.4	7079.4	8614.7	9688.9
50°	7409.7	7459.3	7532.1	7447.6	7207.1	6964.4	6990.7	7666.1	9152.9	10371.6
52.5°	7274.6	7368.5	7566.9	7702.0	7794.8	7744.2	7673.5	8248.6	9659.4	10987.9
55°	6771.3	6903.2	7232.4	7558.4	8032.2	8400.5	8493.4	8894.3	10153.2	11530.2
57.5°	5854.3	6068.5	6364.0	7023.5	7821.2	8718.1	9449.4	9790.2	10676.6	12109.6
60°	4282.0	4569.0	4936.3	5917.6	7082.5	8548.2	10262.9	11166.2	11420.5	12859.8
62.5°	2740.4	2917.6	3255.3	4179.7	5518.7	7677.7	10512.0	12886.2	12681.5	14090.2
65°	1876.2	1990.1	2299.3	2818.5	3567.7	5715.0	9845.1	14175.6	14684.3	16040.2
67.5°	1363.3	1449.9	1713.7	2168.4	2324.6	3381.9	7639.7	14116.6	16631.1	18049.3
70°	994.0	1055.2	1276.8	1713.7	1788.6	1881.4	4628.1	11999.8	16588.9	18583.2
72.5°	736.5	778.7	927.5	1329.6	1447.7	1270.5	2290.9	8721.3	14254.8	16808.4
75°	532.9	564.5	674.3	1017.2	1158.6	967.6	1142.8	5096.6	9943.2	11823.6
77.5°	407.3	431.6	503.3	745.0	927.5	726.0	709.1	2344.7	4714.7	4737.9
80°	327.1	342.9	382.0	524.4	711.2	543.4	462.2	946.5	1490.0	1261.0
82.5°	240.6	267.0	322.9	368.3	508.6	374.6	281.7	478.0	566.6	487.5
85°	137.2	155.1	195.2	263.8	325.0	229.0	161.4	212.1	263.8	216.3
87.5°	48.5	63.3	68.6	103.4	141.4	95.0	62.3	61.2	86.5	64.4
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°
2915.5	0°	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5	2915.5
2947.2	2.5°	2936.6	2931.4	2910.3	2881.8	2852.2	2823.7	2814.2	2794.2	2780.5	2773.1
3015.8	5°	2995.7	2978.8	2929.3	2865.9	2799.5	2727.7	2677.1	2630.6	2596.9	2565.2
3109.7	7.5°	3080.1	3050.6	2965.1	2854.3	2736.2	2616.9	2528.3	2460.7	2415.4	2385.8
3219.4	10°	3178.3	3132.9	3002.1	2836.4	2653.8	2482.9	2378.4	2320.4	2291.9	2276.1
3345.0	12.5°	3291.2	3226.8	3040.1	2795.2	2528.3	2333.1	2261.3	2244.4	2245.5	2246.5
3503.3	15°	3430.5	3340.8	3070.7	2705.6	2364.7	2218.0	2205.4	2232.8	2261.3	2275.0
3682.7	17.5°	3587.7	3461.1	3075.9	2557.8	2204.3	2144.2	2184.3	2243.4	2286.6	2305.6
3883.2	20°	3756.5	3583.5	3037.9	2348.9	2072.4	2084.0	2155.8	2231.8	2279.2	2303.5
4112.1	22.5°	3949.6	3714.3	2947.2	2129.4	1964.8	2018.6	2103.0	2176.9	2226.5	2250.8
4381.2	25°	4170.2	3861.0	2804.7	1944.7	1871.9	1944.7	2029.2	2090.4	2130.5	2152.6
4682.0	27.5°	4415.0	4014.0	2614.8	1798.1	1790.7	1868.8	1938.4	1985.9	2007.0	2023.9
5001.7	30°	4660.8	4153.3	2384.8	1687.3	1720.0	1793.9	1843.4	1864.6	1870.9	1874.0
5358.3	32.5°	4926.8	4273.6	2143.1	1595.5	1652.5	1721.0	1750.6	1760.1	1730.5	1710.5
5791.0	35°	5248.6	4402.3	1906.8	1522.7	1586.0	1645.1	1654.6	1646.1	1611.3	1570.1
6333.4	37.5°	5646.4	4562.7	1717.9	1471.0	1523.7	1562.8	1551.2	1549.0	1552.2	1503.7
6985.5	40°	6133.9	4771.6	1579.6	1430.9	1473.1	1481.5	1448.8	1466.7	1482.6	1408.7
7700.9	42.5°	6675.2	5023.8	1492.1	1403.4	1430.9	1410.8	1360.2	1380.2	1378.1	1281.0
8419.5	45°	7227.1	5298.2	1461.5	1383.4	1391.8	1351.7	1295.8	1301.1	1256.8	1169.2
9108.5	47.5°	7775.8	5592.6	1480.5	1366.5	1343.3	1297.9	1254.6	1231.4	1166.0	1100.6
9769.1	50°	8314.0	5901.8	1550.1	1332.7	1276.8	1250.4	1218.8	1177.6	1108.0	1052.0
10393.8	52.5°	8813.1	6213.1	1628.2	1276.8	1193.4	1209.3	1189.2	1141.7	1073.1	1016.2
10984.7	55°	9285.8	6524.3	1658.8	1199.8	1115.4	1173.4	1161.8	1074.2	991.9	945.5
11603.1	57.5°	9800.8	6898.9	1625.0	1101.6	1052.0	1132.2	1087.9	990.8	943.4	908.5
12408.2	60°	10514.1	7486.7	1552.2	980.3	991.9	1071.0	995.1	955.0	903.3	864.2
13615.3	62.5°	11699.1	8583.1	1435.1	860.0	921.2	980.3	950.7	910.6	857.9	819.9
15679.3	65°	13450.7	10106.8	1214.5	766.1	842.1	891.6	903.3	863.2	808.3	768.2
17487.9	67.5°	14928.0	11062.8	919.1	688.0	760.8	819.9	852.6	813.6	755.5	716.5
17911.1	70°	14846.8	10368.5	701.7	611.0	689.1	749.2	791.4	760.8	698.5	661.6
16269.2	72.5°	13186.9	8673.8	567.7	532.9	616.2	675.3	726.0	702.8	639.5	603.6
11918.6	75°	9687.9	6157.1	453.7	453.7	525.5	598.3	654.2	639.5	581.4	556.1
5003.8	77.5°	4083.7	2583.1	355.6	376.7	436.9	513.9	583.5	588.8	538.2	569.8
1323.2	80°	1085.8	712.3	271.2	296.5	342.9	424.2	507.6	505.4	450.6	421.0
491.7	82.5°	413.6	280.7	193.1	208.9	248.0	325.0	402.0	414.7	359.8	311.3
193.1	85°	159.3	120.3	119.2	125.6	144.6	215.3	303.9	314.5	271.2	230.0
53.8	87.5°	41.2	35.9	44.3	42.2	66.5	115.0	174.1	180.4	165.7	96.0
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°
2915.5
2781.5
2577.9
2392.2
2280.3
2248.6
2274.0
2309.8
2309.8
2257.1
2159.0
2030.2
1881.4
1716.8
1572.3
1506.8
1410.8
1280.0
1172.3
1100.6
1047.8
1017.2
941.2
905.4
862.1
819.9
770.3
717.5
664.8
603.6
548.7
517.1
391.5
311.3
237.4
137.2
0.0

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