

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: P849566

Luminaire Tested: **GLAN-SB6C-930-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849566  
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-SB6C-930-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30358 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

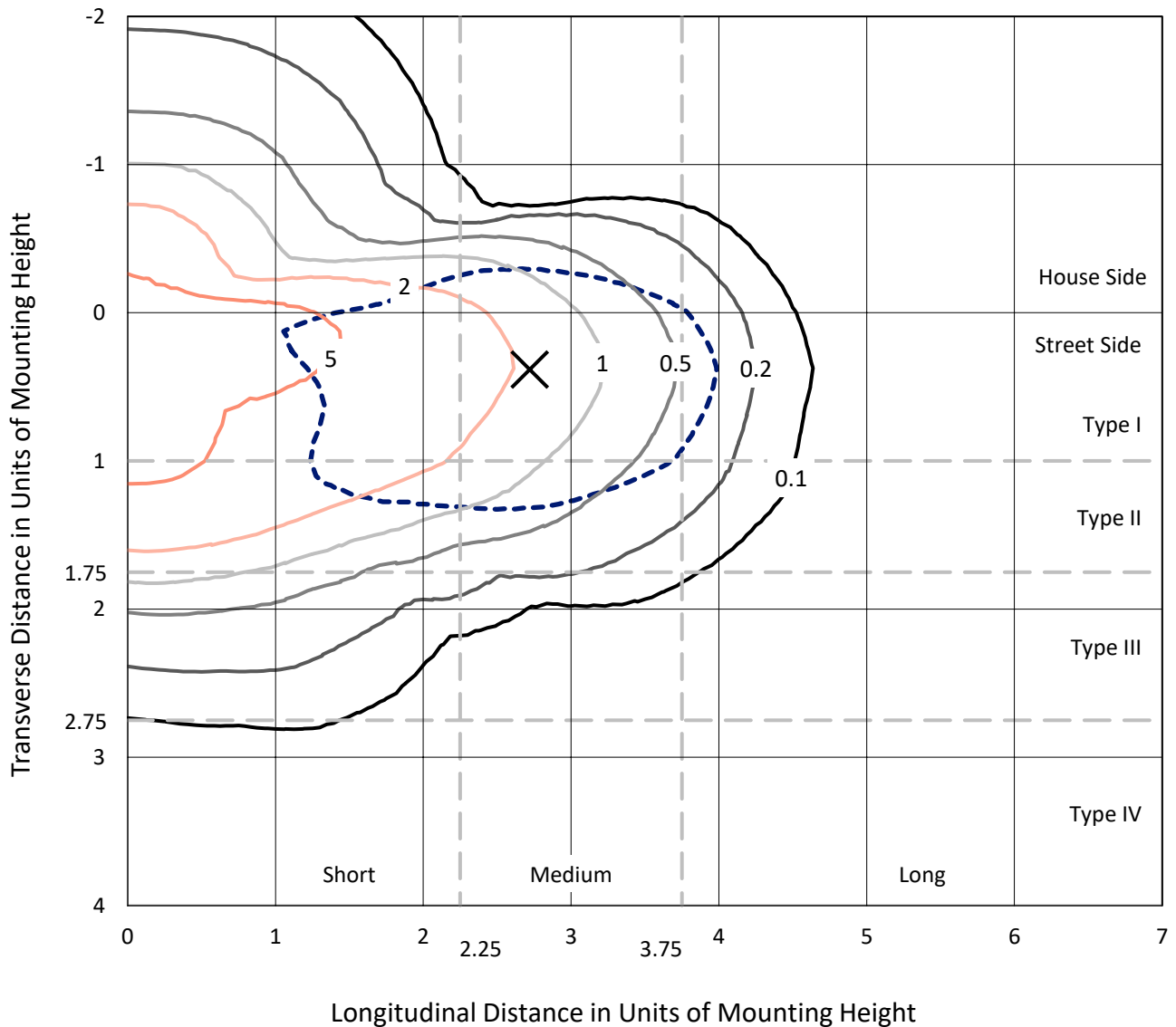
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

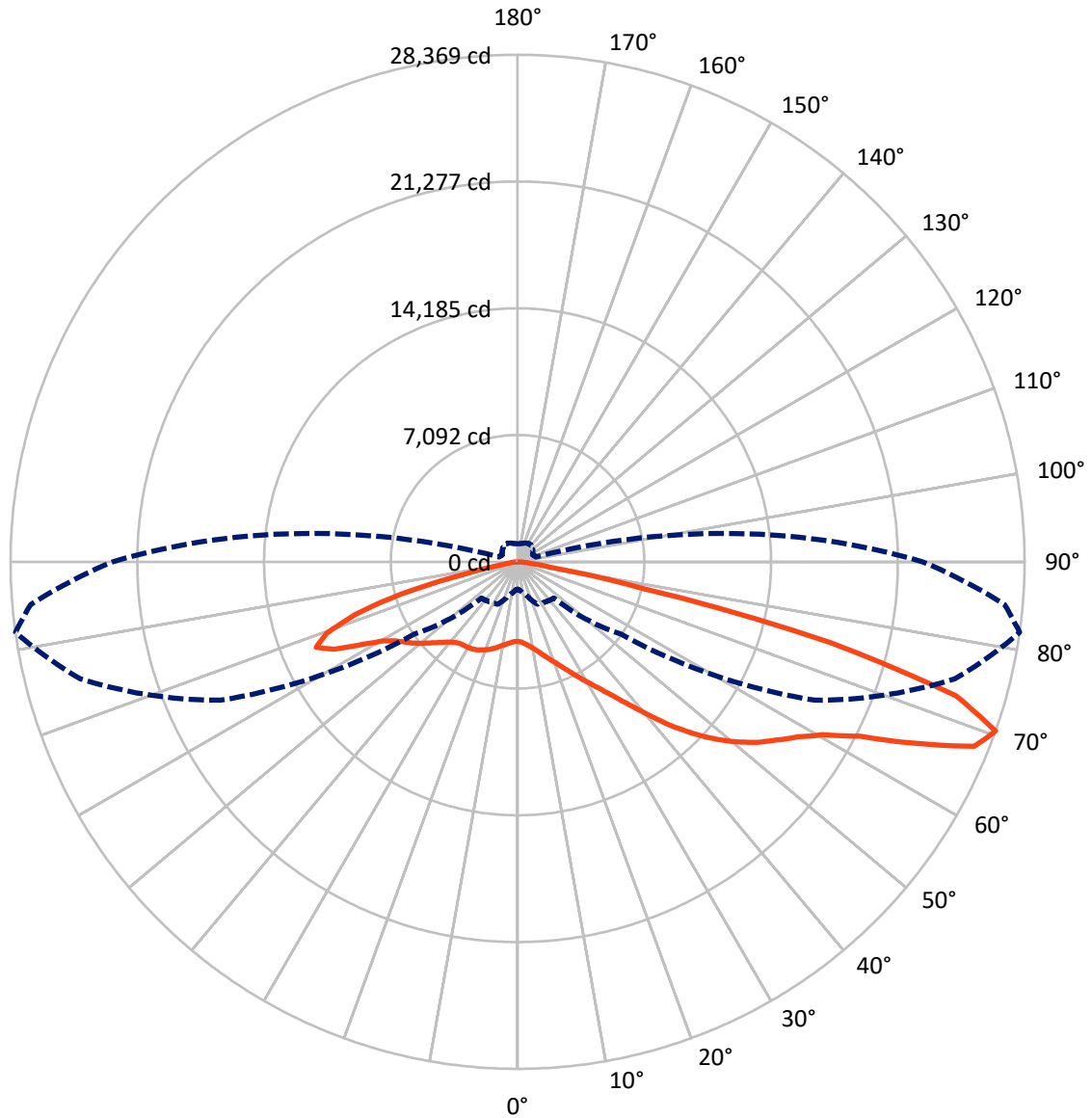
✕ Max cd  
 - - - 1/2 Max cd



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	7484.0	0.0	7484.0
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	22874.0	0.0	22874.0
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	30358.0	0.0	30358.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	420.2	1.4
10°-20°	1207.4	4.0
20°-30°	2019.8	6.7
30°-40°	3155.5	10.4
40°-50°	5025.5	16.6
50°-60°	6993.5	23.0
60°-70°	7315.6	24.1
70°-80°	3823.5	12.6
80°-90°	397.0	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°	30358.0	100.0
0°-180°	30358.0	100.0

**Coefficient of Utilization**

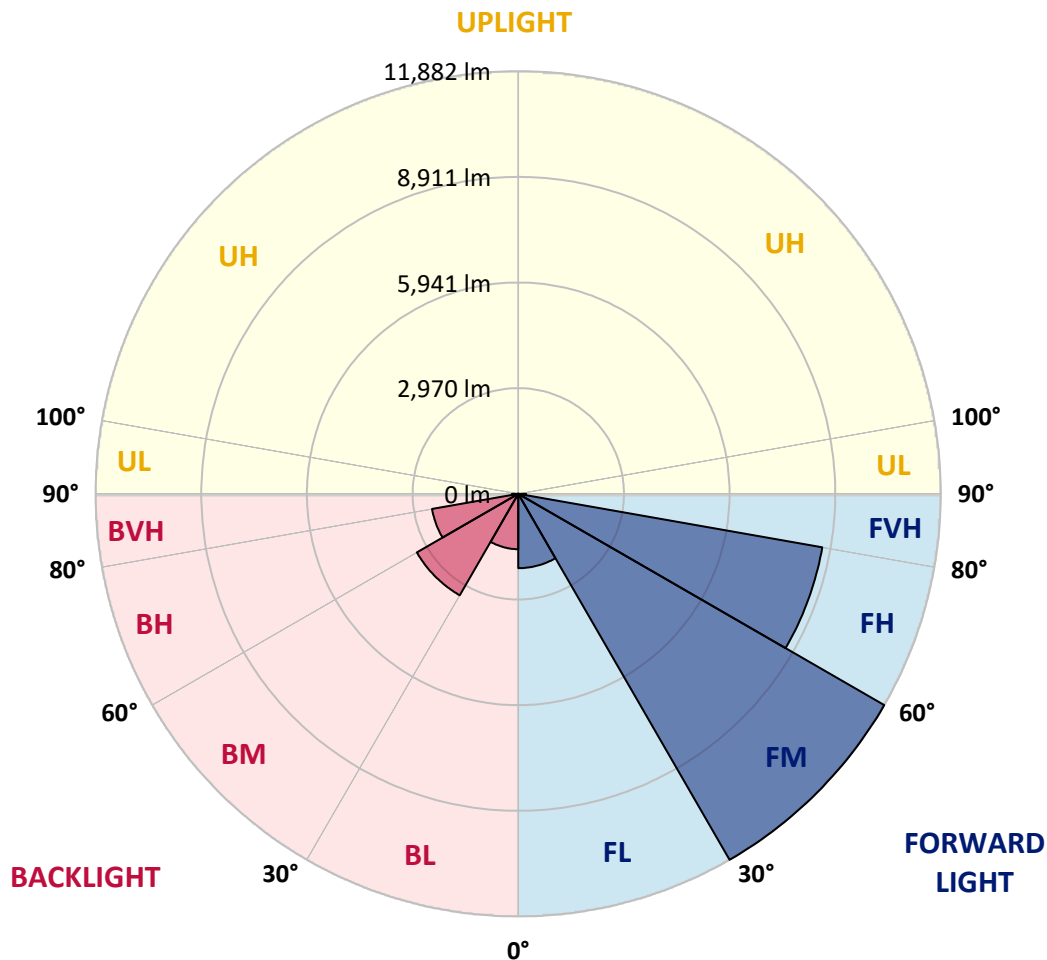


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2090.5	6.9			
FM (30°-60°)	11881.8	39.1			
FH (60°-80°)	8679.5	28.6			G4/12000
FVH (80°-90°)	222.3	0.7			G2/225
BL (0°-30°)	1556.9	5.1	B3/2500		
BM (30°-60°)	3292.7	10.8	B3/5000		
BH (60°-80°)	2459.6	8.1	B3/2500		G3/2500
BVH (80°-90°)	174.8	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°	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9
2.5°	4557.2	4583.0	4574.9	4566.8	4566.8	4555.6	4554.0	4537.8	4525.0	4504.0
5°	4615.2	4642.6	4639.3	4645.8	4666.7	4671.6	4676.4	4666.7	4640.9	4615.2
7.5°	4563.6	4594.2	4603.9	4642.6	4707.0	4765.0	4808.5	4826.2	4802.0	4765.0
10°	4389.6	4423.5	4457.3	4549.1	4663.5	4800.4	4916.4	4985.7	4980.8	4945.4
12.5°	4036.9	4072.3	4144.8	4323.6	4533.0	4774.6	4990.5	5135.5	5185.4	5159.6
15°	3755.0	3785.6	3840.3	4024.0	4296.2	4663.5	5017.9	5299.8	5427.1	5412.6
17.5°	3746.9	3759.8	3793.6	3880.6	4090.0	4489.5	4988.9	5460.9	5704.1	5702.5
20°	3888.7	3893.5	3912.8	3930.5	4049.8	4357.4	4914.8	5594.6	6015.0	6015.0
22.5°	4085.2	4082.0	4101.3	4085.2	4143.2	4346.2	4868.1	5712.2	6361.4	6387.1
25°	4380.0	4363.9	4359.0	4322.0	4333.3	4450.9	4919.6	5845.9	6772.1	6825.3
27.5°	4773.0	4747.3	4729.5	4644.2	4615.2	4666.7	5077.5	6007.0	7229.6	7321.5
30°	5285.3	5238.6	5212.8	5064.6	4959.9	4968.0	5315.9	6221.2	7708.1	7856.3
32.5°	5984.4	5911.9	5842.7	5599.4	5407.7	5344.9	5623.6	6517.6	8226.8	8463.6
35°	6767.3	6709.3	6635.2	6259.9	5965.1	5820.1	6039.2	6931.6	8834.1	9209.4
37.5°	7521.2	7471.3	7506.7	7000.9	6620.7	6409.7	6583.7	7487.4	9583.1	10137.3
40°	8300.9	8262.2	8267.0	7783.8	7340.8	7104.0	7244.1	8184.9	10441.7	11240.7
42.5°	9148.2	9119.2	9022.5	8594.0	8096.3	7875.6	8004.5	8990.3	11363.2	12497.2
45°	10097.0	10079.3	9989.1	9497.8	8927.5	8679.4	8853.4	9879.5	12289.4	13679.6
47.5°	10916.9	10931.4	10920.2	10506.2	9915.0	9550.9	9758.7	10807.4	13151.2	14791.1
50°	11311.6	11387.3	11498.5	11369.6	11002.3	10631.8	10672.1	11703.0	13972.8	15833.3
52.5°	11105.4	11248.8	11551.6	11757.8	11899.6	11822.3	11714.3	12592.3	14746.0	16774.1
55°	10337.0	10538.4	11041.0	11538.7	12262.0	12824.2	12966.0	13578.1	15499.9	17602.1
57.5°	8937.2	9264.2	9715.2	10722.0	11939.8	13309.1	14425.4	14945.7	16298.9	18486.5
60°	6537.0	6975.1	7535.7	9033.8	10812.2	13049.7	15667.4	17046.3	17434.6	19631.8
62.5°	4183.5	4454.1	4969.6	6380.7	8424.9	11720.8	16047.6	19672.1	19359.6	21510.1
65°	2864.1	3038.1	3510.1	4302.7	5446.4	8724.5	15029.5	21640.6	22417.0	24487.0
67.5°	2081.3	2213.3	2616.1	3310.4	3548.8	5162.9	11662.8	21550.4	25389.1	27554.1
70°	1517.4	1610.9	1949.2	2616.1	2730.4	2872.2	7065.3	18318.9	25324.7	28369.2
72.5°	1124.4	1188.8	1416.0	2029.7	2210.1	1939.5	3497.2	13313.9	21761.4	25659.7
75°	813.5	861.8	1029.4	1552.9	1768.7	1477.2	1744.6	7780.6	15179.3	18049.9
77.5°	621.8	658.9	768.4	1137.3	1416.0	1108.3	1082.5	3579.4	7197.4	7232.9
80°	499.4	523.5	583.1	800.6	1085.7	829.6	705.6	1445.0	2274.6	1925.0
82.5°	367.3	407.6	492.9	562.2	776.4	571.9	430.1	729.7	865.0	744.2
85°	209.4	236.8	298.0	402.7	496.2	349.6	246.5	323.8	402.7	330.2
87.5°	74.1	96.7	104.7	157.9	215.9	145.0	95.0	93.4	132.1	98.3
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°
4450.9	0°	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9	4450.9
4499.2	2.5°	4483.1	4475.0	4442.8	4399.3	4354.2	4310.7	4296.2	4265.6	4244.7	4233.4
4603.9	5°	4573.3	4547.5	4471.8	4375.2	4273.7	4164.1	4086.8	4015.9	3964.4	3916.1
4747.3	7.5°	4702.2	4657.1	4526.6	4357.4	4177.0	3995.0	3859.7	3756.6	3687.3	3642.2
4914.8	10°	4852.0	4782.7	4583.0	4330.0	4051.4	3790.4	3630.9	3542.3	3498.8	3474.7
5106.5	12.5°	5024.3	4926.1	4640.9	4267.2	3859.7	3561.7	3452.1	3426.3	3428.0	3429.6
5348.1	15°	5237.0	5100.0	4687.7	4130.3	3610.0	3386.1	3366.7	3408.6	3452.1	3473.1
5622.0	17.5°	5477.0	5283.7	4695.7	3904.8	3365.1	3273.3	3334.5	3424.7	3490.8	3519.8
5928.0	20°	5734.7	5470.5	4637.7	3585.8	3163.8	3181.5	3291.0	3407.0	3479.5	3516.6
6277.6	22.5°	6029.5	5670.3	4499.2	3250.8	2999.5	3081.6	3210.5	3323.2	3399.0	3436.0
6688.4	25°	6366.2	5894.2	4281.7	2968.9	2857.7	2968.9	3097.7	3191.2	3252.4	3286.2
7147.5	27.5°	6739.9	6127.8	3991.8	2744.9	2733.7	2852.9	2959.2	3031.7	3063.9	3089.7
7635.6	30°	7115.3	6340.4	3640.6	2575.8	2625.7	2738.5	2814.2	2846.4	2856.1	2860.9
8180.1	32.5°	7521.2	6524.1	3271.7	2435.7	2522.6	2627.3	2672.5	2686.9	2641.8	2611.2
8840.5	35°	8012.5	6720.6	2910.9	2324.5	2421.2	2511.4	2525.9	2513.0	2459.8	2397.0
9668.5	37.5°	8619.8	6965.4	2622.5	2245.6	2326.1	2385.7	2368.0	2364.8	2369.6	2295.5
10664.0	40°	9364.0	7284.4	2411.5	2184.4	2248.8	2261.7	2211.7	2239.1	2263.3	2150.5
11756.2	42.5°	10190.4	7669.4	2277.8	2142.5	2184.4	2153.7	2076.4	2107.0	2103.8	1955.6
12853.2	45°	11032.9	8088.2	2231.1	2111.9	2124.8	2063.5	1978.2	1986.2	1918.6	1784.9
13905.1	47.5°	11870.6	8537.7	2260.1	2086.1	2050.7	1981.4	1915.3	1879.9	1780.0	1680.1
14913.5	50°	12692.1	9009.7	2366.4	2034.5	1949.2	1908.9	1860.6	1797.7	1691.4	1606.0
15867.2	52.5°	13454.1	9484.9	2485.6	1949.2	1821.9	1846.1	1815.5	1743.0	1638.3	1551.3
16769.3	55°	14175.7	9960.1	2532.3	1831.6	1702.7	1791.3	1773.6	1639.9	1514.2	1443.3
17713.2	57.5°	14961.9	10531.9	2480.8	1681.8	1606.0	1728.5	1660.8	1512.6	1440.1	1387.0
18942.3	60°	16050.8	11429.2	2369.6	1496.5	1514.2	1635.0	1519.1	1457.8	1378.9	1319.3
20785.2	62.5°	17859.8	13102.9	2190.8	1312.9	1406.3	1496.5	1451.4	1390.2	1309.6	1251.7
23936.1	65°	20533.9	15429.0	1854.1	1169.5	1285.5	1361.2	1378.9	1317.7	1233.9	1172.7
26697.1	67.5°	22789.1	16888.5	1403.1	1050.3	1161.4	1251.7	1301.6	1242.0	1153.4	1093.8
27343.1	70°	22665.1	15828.5	1071.2	932.7	1051.9	1143.7	1208.2	1161.4	1066.4	1010.0
24836.6	72.5°	20131.2	13241.4	866.7	813.5	940.8	1031.0	1108.3	1072.8	976.2	921.4
18194.9	75°	14789.5	9399.5	692.7	692.7	802.2	913.4	998.7	976.2	887.6	848.9
7638.8	77.5°	6234.1	3943.4	542.9	575.1	666.9	784.5	890.8	898.9	821.5	869.9
2020.0	80°	1657.6	1087.3	414.0	452.7	523.5	647.6	774.8	771.6	687.8	642.7
750.7	82.5°	631.5	428.5	294.8	319.0	378.6	496.2	613.7	633.1	549.3	475.2
294.8	85°	243.2	183.6	182.0	191.7	220.7	328.6	463.9	480.0	414.0	351.2
82.2	87.5°	62.8	54.8	67.7	64.4	101.5	175.6	265.8	275.5	252.9	146.6
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°
4450.9
4246.3
3935.4
3651.9
3481.1
3432.8
3471.4
3526.2
3526.2
3445.7
3295.9
3099.3
2872.2
2620.9
2400.2
2300.3
2153.7
1954.0
1789.7
1680.1
1599.6
1552.9
1436.9
1382.1
1316.1
1251.7
1175.9
1095.4
1014.9
921.4
837.7
789.3
597.6
475.2
362.4
209.4
0.0

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