

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: P850566

Luminaire Tested: **GLAN-SB8A-850-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850566  
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-850-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 30860 lumens  
Efficiency: N/A  
Efficacy: 135.9 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

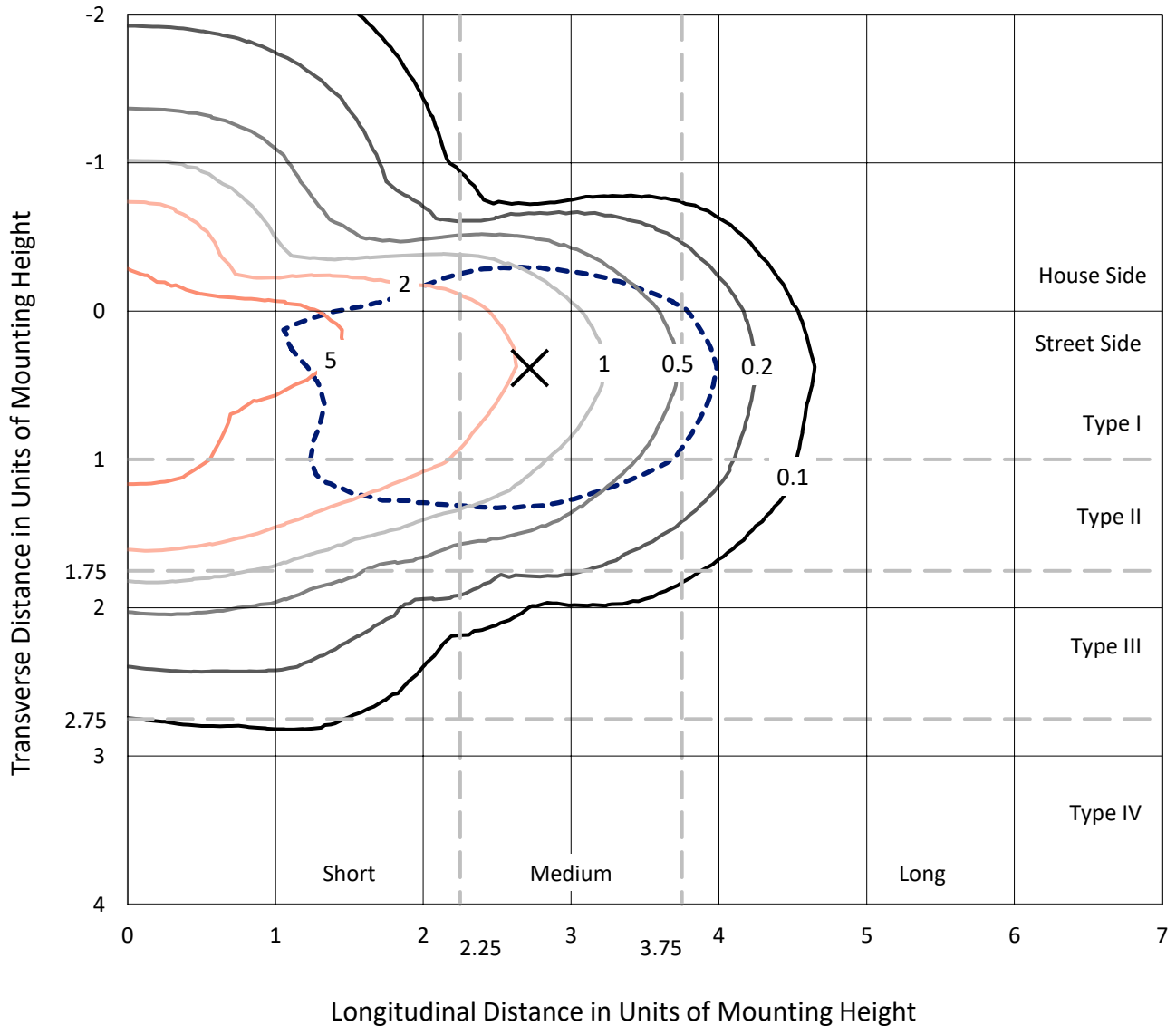
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

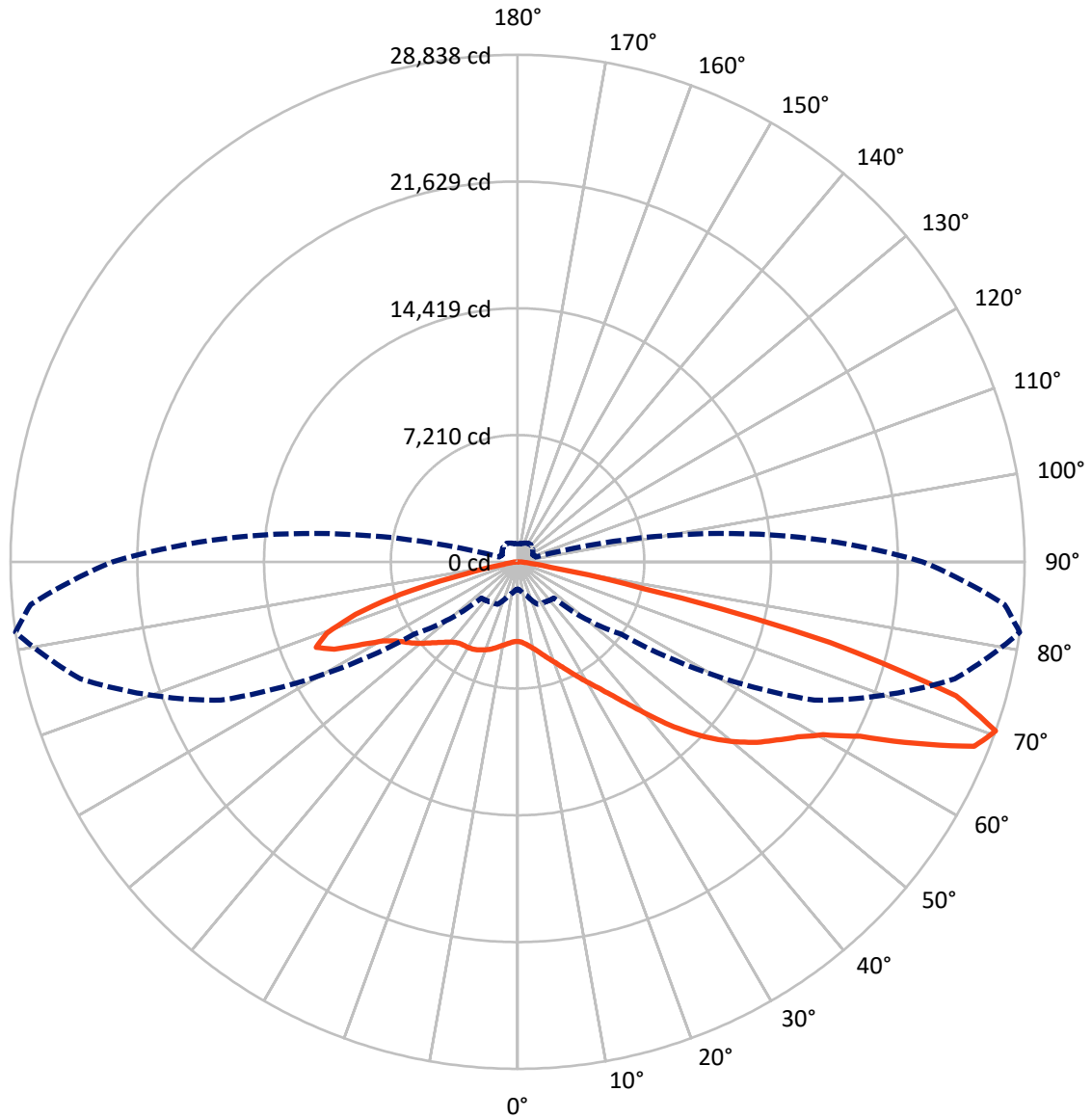
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 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	7607.8	0.0	7607.8
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	23252.3	0.0	23252.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	30860.0	0.0	30860.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	427.2	1.4
10°-20°	1227.3	4.0
20°-30°	2053.2	6.7
30°-40°	3207.7	10.4
40°-50°	5108.6	16.6
50°-60°	7109.2	23.0
60°-70°	7436.5	24.1
70°-80°	3886.7	12.6
80°-90°	403.6	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°	30860.0	100.0
0°-180°	30860.0	100.0

**Coefficient of Utilization**

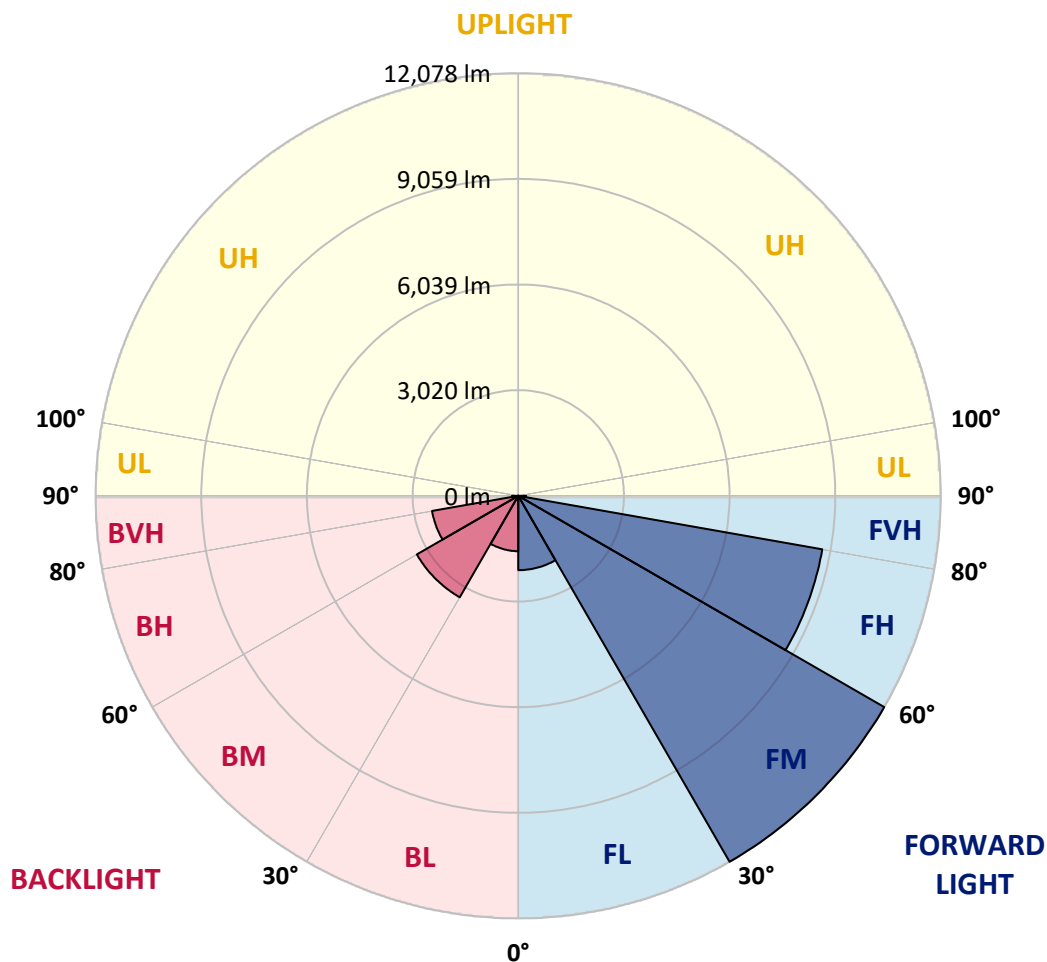


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2125.1	6.9			
FM (30°-60°)	12078.3	39.1			
FH (60°-80°)	8823.0	28.6			G4/12000
FVH (80°-90°)	225.9	0.7			G3/500
BL (0°-30°)	1582.7	5.1	B3/2500		
BM (30°-60°)	3347.1	10.8	B3/5000		
BH (60°-80°)	2500.3	8.1	B4/5000		G4/5000
BVH (80°-90°)	177.7	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°	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5
2.5°	4632.5	4658.7	4650.6	4642.4	4642.4	4630.9	4629.3	4612.9	4599.8	4578.5
5°	4691.5	4719.3	4716.1	4722.6	4743.9	4748.8	4753.7	4743.9	4717.7	4691.5
7.5°	4639.1	4670.2	4680.0	4719.3	4784.8	4843.8	4888.0	4906.0	4881.4	4843.8
10°	4462.2	4496.6	4531.0	4624.4	4740.6	4879.8	4997.7	5068.1	5063.2	5027.2
12.5°	4103.6	4139.6	4213.3	4395.1	4608.0	4853.6	5073.0	5220.4	5271.2	5245.0
15°	3817.1	3848.2	3903.8	4090.5	4367.3	4740.6	5100.9	5387.4	5516.8	5502.1
17.5°	3808.9	3822.0	3856.4	3944.8	4157.7	4563.8	5071.4	5551.2	5798.5	5796.8
20°	3953.0	3957.9	3977.5	3995.5	4116.7	4429.5	4996.1	5687.1	6114.5	6114.5
22.5°	4152.7	4149.5	4169.1	4152.7	4211.7	4418.0	4948.6	5806.6	6466.6	6492.8
25°	4452.4	4436.0	4431.1	4393.5	4404.9	4524.5	5001.0	5942.6	6884.1	6938.2
27.5°	4852.0	4825.8	4807.8	4721.0	4691.5	4743.9	5161.5	6106.3	7349.2	7442.5
30°	5372.7	5325.2	5299.0	5148.4	5041.9	5050.1	5403.8	6324.1	7835.5	7986.2
32.5°	6083.4	6009.7	5939.3	5692.0	5497.1	5433.3	5716.6	6625.4	8362.8	8603.5
35°	6879.2	6820.3	6744.9	6363.4	6063.7	5916.4	6139.1	7046.2	8980.1	9361.7
37.5°	7645.6	7594.8	7630.8	7116.7	6730.2	6515.7	6692.5	7611.2	9741.6	10304.9
40°	8438.1	8398.8	8403.7	7912.5	7462.2	7221.5	7363.9	8320.2	10614.4	11426.6
42.5°	9299.5	9270.0	9171.7	8736.2	8230.2	8005.8	8136.8	9139.0	11551.1	12703.9
45°	10264.0	10245.9	10154.2	9654.8	9075.1	8822.9	8999.8	10042.9	12492.6	13905.8
47.5°	11097.5	11112.2	11100.7	10679.9	10078.9	9708.8	9920.1	10986.1	13368.7	15035.7
50°	11498.7	11575.6	11688.6	11557.6	11184.2	10807.6	10848.6	11896.6	14203.8	16095.2
52.5°	11289.0	11434.8	11742.6	11952.2	12096.3	12017.7	11908.0	12800.5	14989.8	17051.5
55°	10508.0	10712.6	11223.5	11729.5	12464.8	13036.3	13180.4	13802.6	15756.2	17893.2
57.5°	9084.9	9417.4	9875.9	10899.3	12137.3	13529.2	14664.0	15192.9	16568.4	18792.2
60°	6645.0	7090.5	7660.3	9183.2	10991.0	13265.5	15926.5	17328.2	17722.9	19956.4
62.5°	4252.6	4527.7	5051.7	6486.2	8564.2	11914.6	16313.0	19997.4	19679.7	21865.8
65°	2911.5	3088.4	3568.2	4373.8	5536.4	8868.8	15278.0	21998.4	22787.7	24891.9
67.5°	2115.7	2249.9	2659.3	3365.1	3607.5	5248.2	11855.6	21906.7	25808.9	28009.7
70°	1542.5	1637.5	1981.4	2659.3	2775.6	2919.7	7182.2	18621.9	25743.4	28838.3
72.5°	1143.0	1208.5	1439.4	2063.3	2246.7	1971.6	3555.1	13534.1	22121.2	26084.0
75°	826.9	876.1	1046.4	1578.6	1798.0	1501.6	1773.4	7909.2	15430.3	18348.4
77.5°	632.1	669.7	781.1	1156.1	1439.4	1126.6	1100.4	3638.6	7316.4	7352.5
80°	507.6	532.2	592.8	813.8	1103.7	843.3	717.2	1468.9	2312.2	1956.8
82.5°	373.4	414.3	501.1	571.5	789.3	581.3	437.2	741.8	879.3	756.5
85°	212.9	240.7	302.9	409.4	504.4	355.3	250.5	329.1	409.4	335.7
87.5°	75.3	98.3	106.4	160.5	219.4	147.4	96.6	95.0	134.3	99.9
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°
4524.5	0°	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5	4524.5
4573.6	2.5°	4557.2	4549.0	4516.3	4472.1	4426.2	4382.0	4367.3	4336.1	4314.9	4303.4
4680.0	5°	4648.9	4622.7	4545.7	4447.5	4344.3	4233.0	4154.4	4082.3	4029.9	3980.8
4825.8	7.5°	4779.9	4734.1	4601.4	4429.5	4246.1	4061.0	3923.5	3818.7	3748.3	3702.4
4996.1	10°	4932.2	4861.8	4658.7	4401.6	4118.4	3853.1	3691.0	3600.9	3556.7	3532.1
5190.9	12.5°	5107.4	5007.5	4717.7	4337.8	3923.5	3620.6	3509.2	3483.0	3484.6	3486.3
5436.6	15°	5323.6	5184.4	4765.2	4198.6	3669.7	3442.1	3422.4	3465.0	3509.2	3530.5
5714.9	17.5°	5567.6	5371.1	4773.4	3969.3	3420.8	3327.4	3389.7	3481.4	3548.5	3578.0
6026.1	20°	5829.6	5561.0	4714.4	3645.1	3216.1	3234.1	3345.4	3463.4	3537.0	3574.7
6381.4	22.5°	6129.2	5764.1	4573.6	3304.5	3049.1	3132.6	3263.6	3378.2	3455.2	3492.8
6799.0	25°	6471.5	5991.7	4352.5	3017.9	2905.0	3017.9	3148.9	3243.9	3306.1	3340.5
7265.7	27.5°	6851.4	6229.1	4057.8	2790.3	2778.9	2900.0	3008.1	3081.8	3114.6	3140.8
7761.8	30°	7232.9	6445.3	3700.8	2618.4	2669.2	2783.8	2860.7	2893.5	2903.3	2908.2
8315.3	32.5°	7645.6	6631.9	3325.8	2475.9	2564.4	2670.8	2716.6	2731.4	2685.5	2654.4
8986.7	35°	8145.0	6831.7	2959.0	2362.9	2461.2	2552.9	2567.6	2554.5	2500.5	2436.6
9828.4	37.5°	8762.4	7080.6	2665.9	2282.7	2364.6	2425.2	2407.2	2403.9	2408.8	2333.5
10840.4	40°	9518.9	7404.9	2451.4	2220.5	2286.0	2299.1	2248.3	2276.1	2300.7	2186.1
11950.6	42.5°	10358.9	7796.2	2315.5	2177.9	2220.5	2189.4	2110.8	2141.9	2138.6	1987.9
13065.8	45°	11215.4	8222.0	2268.0	2146.8	2159.9	2097.7	2010.9	2019.1	1950.3	1814.4
14135.1	47.5°	12066.9	8678.8	2297.4	2120.6	2084.6	2014.1	1947.0	1911.0	1809.5	1707.9
15160.1	50°	12902.0	9158.6	2405.5	2068.2	1981.4	1940.5	1891.3	1827.5	1719.4	1632.6
16129.6	52.5°	13676.5	9641.7	2526.7	1981.4	1852.0	1876.6	1845.5	1771.8	1665.4	1576.9
17046.6	55°	14410.2	10124.8	2574.2	1861.9	1730.9	1820.9	1802.9	1667.0	1539.3	1467.2
18006.1	57.5°	15209.3	10706.1	2521.8	1709.6	1632.6	1757.1	1688.3	1537.6	1463.9	1409.9
19255.6	60°	16316.2	11618.2	2408.8	1521.3	1539.3	1662.1	1544.2	1482.0	1401.7	1341.1
21128.9	62.5°	18155.2	13319.6	2227.0	1334.6	1429.6	1521.3	1475.4	1413.2	1331.3	1272.4
24331.9	65°	20873.4	15684.1	1884.8	1188.8	1306.7	1383.7	1401.7	1339.5	1254.3	1192.1
27138.6	67.5°	23166.0	17167.7	1426.3	1067.7	1180.7	1272.4	1323.1	1262.5	1172.5	1111.9
27795.2	70°	23039.9	16090.3	1088.9	948.1	1069.3	1162.6	1228.1	1180.7	1084.0	1026.7
25247.3	72.5°	20464.1	13460.4	881.0	826.9	956.3	1048.0	1126.6	1090.6	992.3	936.7
18495.8	75°	15034.1	9554.9	704.1	704.1	815.5	928.5	1015.3	992.3	902.3	863.0
7765.1	77.5°	6337.2	4008.6	551.8	584.6	677.9	797.5	905.5	913.7	835.1	884.3
2053.4	80°	1685.0	1105.3	420.8	460.1	532.2	658.3	787.6	784.4	699.2	653.4
763.1	82.5°	641.9	435.6	299.7	324.2	384.8	504.4	623.9	643.5	558.4	483.1
299.7	85°	247.3	186.7	185.0	194.9	224.3	334.1	471.6	488.0	420.8	357.0
83.5	87.5°	63.9	55.7	68.8	65.5	103.2	178.5	270.2	280.0	257.1	149.0
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°
4524.5
4316.5
4000.5
3712.3
3538.7
3489.6
3528.9
3584.5
3584.5
3502.7
3350.4
3150.6
2919.7
2664.2
2439.9
2338.4
2189.4
1986.3
1819.3
1707.9
1626.1
1578.6
1460.7
1405.0
1337.9
1272.4
1195.4
1113.5
1031.6
936.7
851.5
802.4
607.5
483.1
368.4
212.9
0.0

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