

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: P847426

Luminaire Tested: **GLAN-SB3C-735-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P847426  
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-SB3C-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21848 lumens  
Efficiency: N/A  
Efficacy: 146.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

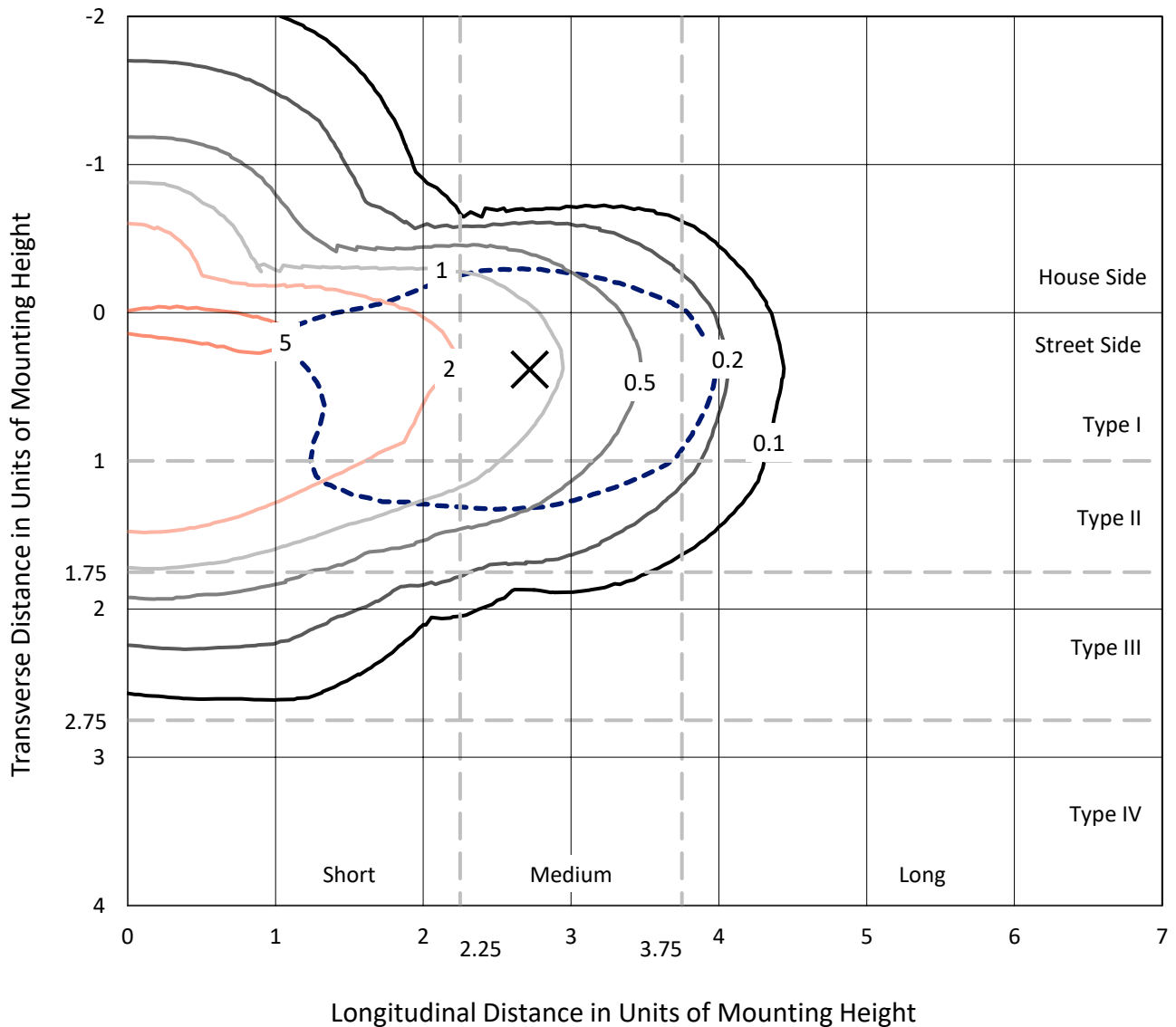
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

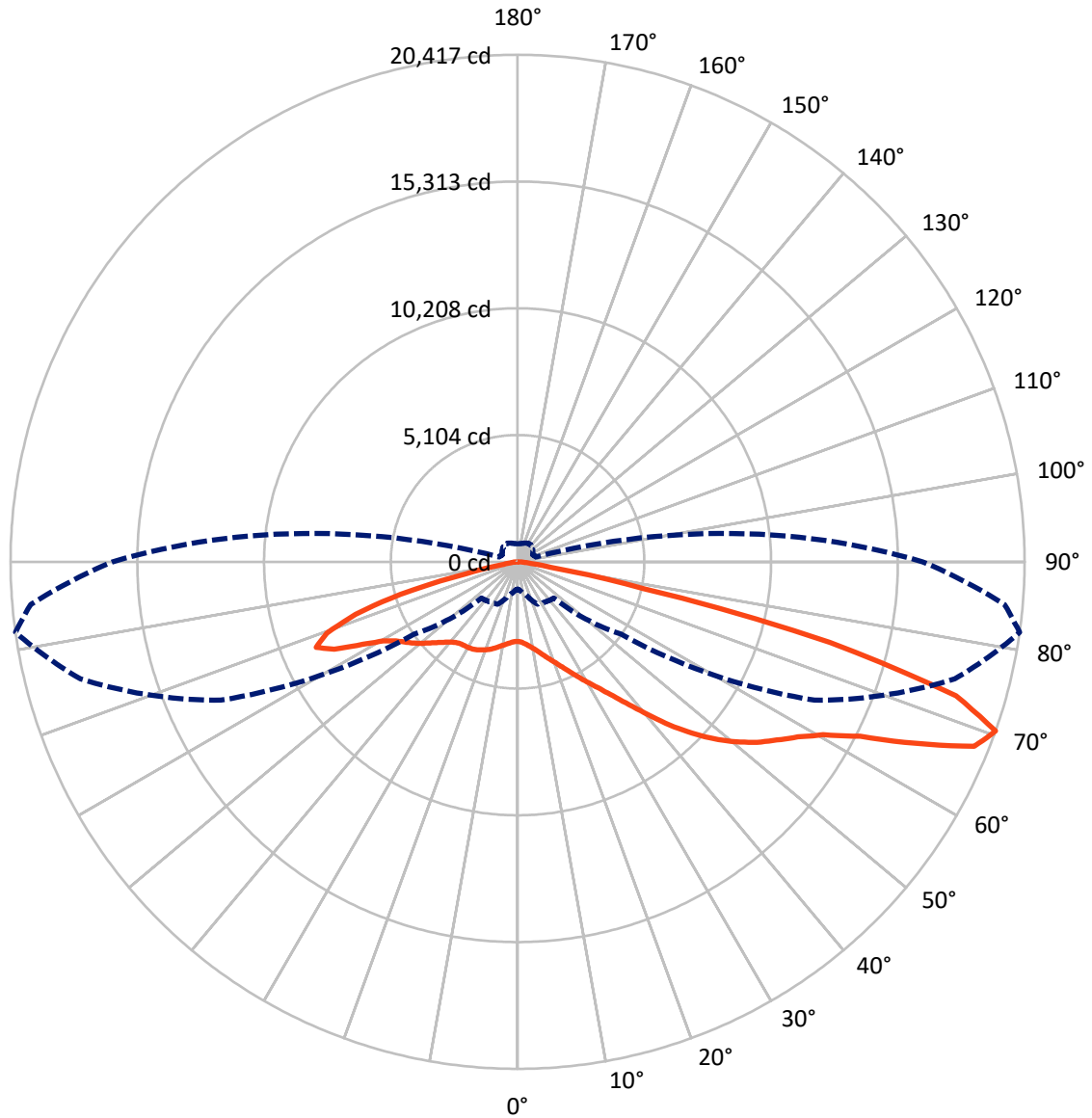
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	5386.1	0.0	5386.1
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	16461.9	0.0	16461.9
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	21848.0	0.0	21848.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	302.4	1.4
10°-20°	868.9	4.0
20°-30°	1453.6	6.7
30°-40°	2270.9	10.4
40°-50°	3616.7	16.6
50°-60°	5033.1	23.0
60°-70°	5264.9	24.1
70°-80°	2751.7	12.6
80°-90°	285.7	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°	21848.0	100.0
0°-180°	21848.0	100.0

**Coefficient of Utilization**

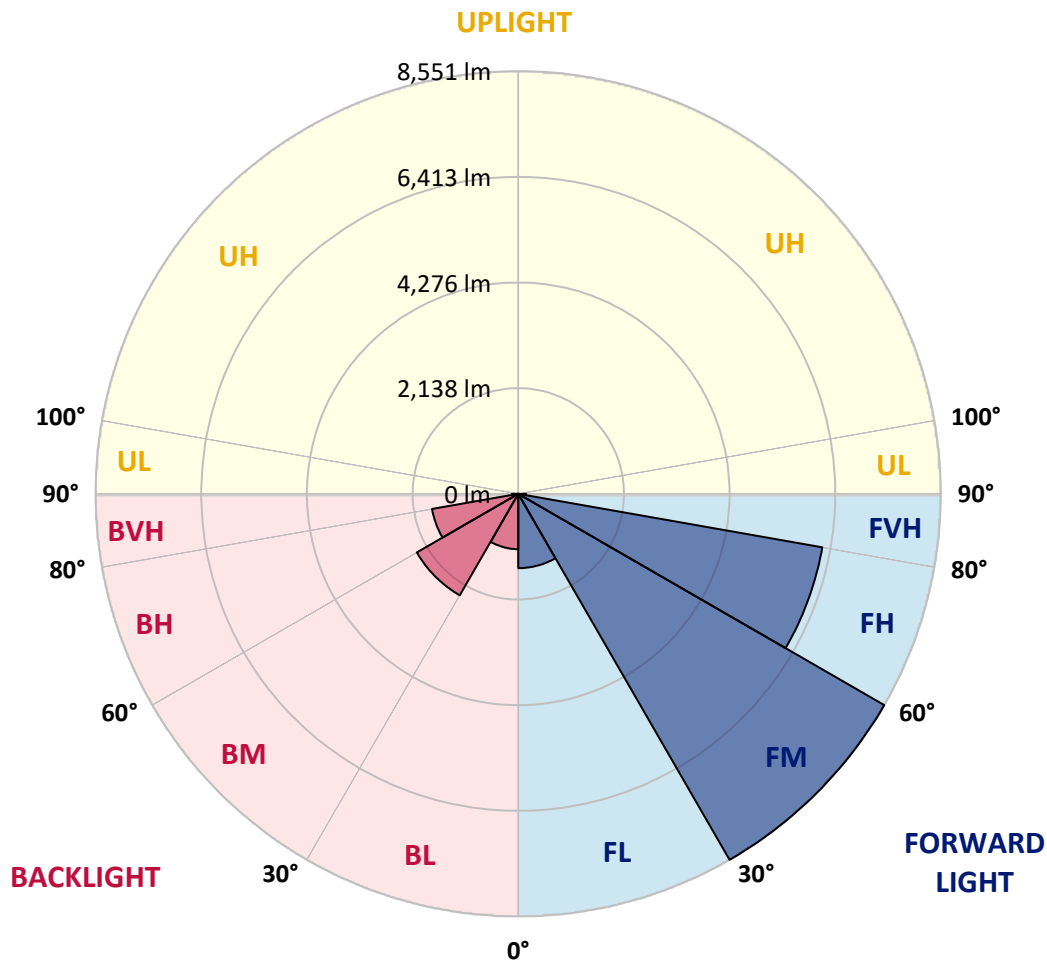


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1504.5	6.9			
FM (30°-60°)	8551.1	39.1			
FH (60°-80°)	6246.4	28.6			G3/7500
FVH (80°-90°)	160.0	0.7			G2/225
BL (0°-30°)	1120.5	5.1	B3/2500		
BM (30°-60°)	2369.7	10.8	B2/2500		
BH (60°-80°)	1770.1	8.1	B3/2500		G3/2500
BVH (80°-90°)	125.8	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-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2
2.5°	3279.7	3298.3	3292.5	3286.7	3286.7	3278.5	3277.4	3265.8	3256.5	3241.4
5°	3321.4	3341.1	3338.8	3343.5	3358.5	3362.0	3365.5	3358.5	3340.0	3321.4
7.5°	3284.3	3306.4	3313.3	3341.1	3387.5	3429.3	3460.6	3473.3	3455.9	3429.3
10°	3159.1	3183.5	3207.8	3273.9	3356.2	3454.8	3538.2	3588.1	3584.6	3559.1
12.5°	2905.2	2930.8	2982.9	3111.6	3262.3	3436.2	3591.6	3695.9	3731.8	3713.3
15°	2702.4	2724.4	2763.8	2896.0	3091.9	3356.2	3611.3	3814.1	3905.7	3895.3
17.5°	2696.6	2705.8	2730.2	2792.8	2943.5	3231.0	3590.4	3930.1	4105.1	4104.0
20°	2798.6	2802.1	2816.0	2828.7	2914.5	3135.9	3537.1	4026.3	4328.9	4328.9
22.5°	2940.0	2937.7	2951.6	2940.0	2981.8	3127.8	3503.5	4110.9	4578.1	4596.7
25°	3152.2	3140.6	3137.1	3110.4	3118.6	3203.2	3540.6	4207.2	4873.8	4912.0
27.5°	3435.1	3416.5	3403.8	3342.3	3321.4	3358.5	3654.2	4323.1	5203.0	5269.1
30°	3803.7	3770.1	3751.5	3644.9	3569.5	3575.3	3825.7	4477.3	5547.3	5654.0
32.5°	4306.9	4254.7	4204.8	4029.8	3891.8	3846.6	4047.2	4690.6	5920.6	6091.0
35°	4870.3	4828.6	4775.2	4505.1	4292.9	4188.6	4346.3	4988.5	6357.7	6627.8
37.5°	5412.8	5376.9	5402.4	5038.4	4764.8	4612.9	4738.1	5388.5	6896.8	7295.6
40°	5974.0	5946.1	5949.6	5601.8	5283.0	5112.6	5213.4	5890.5	7514.7	8089.7
42.5°	6583.8	6562.9	6493.3	6185.0	5826.7	5667.9	5760.6	6470.1	8177.8	8994.0
45°	7266.6	7253.8	7188.9	6835.3	6424.9	6246.4	6371.6	7110.1	8844.4	9844.9
47.5°	7856.7	7867.1	7859.0	7561.1	7135.6	6873.6	7023.1	7777.9	9464.7	10644.8
50°	8140.7	8195.2	8275.2	8182.5	7918.1	7651.5	7680.5	8422.4	10055.9	11394.9
52.5°	7992.3	8095.5	8313.5	8461.8	8563.9	8508.2	8430.5	9062.4	10612.4	12072.0
55°	7439.3	7584.2	7946.0	8304.2	8824.7	9229.3	9331.3	9771.9	11154.9	12667.8
57.5°	6431.9	6667.2	6991.8	7716.4	8592.8	9578.3	10381.7	10756.1	11730.0	13304.3
60°	4704.5	5019.8	5423.3	6501.4	7781.3	9391.6	11275.5	12267.9	12547.3	14128.6
62.5°	3010.7	3205.5	3576.5	4592.1	6063.2	8435.2	11549.1	14157.6	13932.7	15480.3
65°	2061.3	2186.5	2526.1	3096.5	3919.6	6278.9	10816.4	15574.3	16133.0	17622.8
67.5°	1497.8	1592.9	1882.7	2382.4	2554.0	3715.6	8393.4	15509.3	18272.0	19830.1
70°	1092.1	1159.3	1402.8	1882.7	1965.0	2067.1	5084.8	13183.7	18225.6	20416.7
72.5°	809.2	855.6	1019.0	1460.7	1590.6	1395.8	2516.9	9581.7	15661.2	18466.7
75°	585.5	620.2	740.8	1117.6	1272.9	1063.1	1255.5	5599.5	10924.2	12990.1
77.5°	447.5	474.2	553.0	818.5	1019.0	797.6	779.1	2576.0	5179.8	5205.3
80°	359.4	376.8	419.7	576.2	781.4	597.0	507.8	1039.9	1637.0	1385.4
82.5°	264.3	293.3	354.8	404.6	558.8	411.6	309.5	525.2	622.6	535.6
85°	150.7	170.4	214.5	289.8	357.1	251.6	177.4	233.0	289.8	237.7
87.5°	53.3	69.6	75.4	113.6	155.3	104.3	68.4	67.2	95.1	70.7
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°
3203.2	0°	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2	3203.2
3238.0	2.5°	3226.4	3220.6	3197.4	3166.1	3133.6	3102.3	3091.9	3069.9	3054.8	3046.7
3313.3	5°	3291.3	3272.7	3218.3	3148.7	3075.7	2996.8	2941.2	2890.2	2853.1	2818.3
3416.5	7.5°	3384.0	3351.6	3257.7	3135.9	3006.1	2875.1	2777.7	2703.5	2653.7	2621.2
3537.1	10°	3491.9	3442.0	3298.3	3116.2	2915.7	2727.9	2613.1	2549.3	2518.0	2500.6
3675.0	12.5°	3615.9	3545.2	3340.0	3071.0	2777.7	2563.2	2484.4	2465.9	2467.0	2468.2
3848.9	15°	3768.9	3670.4	3373.6	2972.5	2598.0	2436.9	2423.0	2453.1	2484.4	2499.5
4046.0	17.5°	3941.7	3802.6	3379.4	2810.2	2421.8	2355.7	2399.8	2464.7	2512.2	2533.1
4266.3	20°	4127.2	3937.0	3337.7	2580.6	2276.9	2289.6	2368.5	2452.0	2504.1	2530.8
4517.9	22.5°	4339.3	4080.8	3238.0	2339.5	2158.6	2217.8	2310.5	2391.7	2446.2	2472.8
4813.5	25°	4581.6	4241.9	3081.5	2136.6	2056.6	2136.6	2229.4	2296.6	2340.7	2365.0
5143.9	27.5°	4850.6	4410.0	2872.8	1975.5	1967.4	2053.1	2129.7	2181.8	2205.0	2223.6
5495.2	30°	5120.7	4563.1	2620.1	1853.7	1889.7	1970.8	2025.3	2048.5	2055.5	2058.9
5887.0	32.5°	5412.8	4695.2	2354.6	1752.9	1815.5	1890.8	1923.3	1933.7	1901.3	1879.3
6362.3	35°	5766.4	4836.7	2094.9	1672.9	1742.5	1807.4	1817.8	1808.5	1770.3	1725.1
6958.2	37.5°	6203.5	5012.9	1887.4	1616.1	1674.1	1716.9	1704.2	1701.9	1705.4	1652.0
7674.7	40°	6739.1	5242.4	1735.5	1572.0	1618.4	1627.7	1591.7	1611.4	1628.8	1547.7
8460.7	42.5°	7333.8	5519.5	1639.3	1541.9	1572.0	1550.0	1494.4	1516.4	1514.1	1407.4
9250.2	45°	7940.2	5820.9	1605.7	1519.9	1529.1	1485.1	1423.6	1429.4	1380.7	1284.5
10007.2	47.5°	8543.0	6144.4	1626.5	1501.3	1475.8	1426.0	1378.4	1352.9	1281.0	1209.2
10732.9	50°	9134.3	6484.1	1703.0	1464.2	1402.8	1373.8	1339.0	1293.8	1217.3	1155.8
11419.3	52.5°	9682.6	6826.1	1788.8	1402.8	1311.2	1328.6	1306.5	1254.4	1179.0	1116.4
12068.5	55°	10202.0	7168.1	1822.4	1318.1	1225.4	1289.2	1276.4	1180.2	1089.8	1038.7
12747.8	57.5°	10767.7	7579.6	1785.3	1210.3	1155.8	1243.9	1195.3	1088.6	1036.4	998.2
13632.4	60°	11551.4	8225.3	1705.4	1077.0	1089.8	1176.7	1093.2	1049.2	992.4	949.5
14958.7	62.5°	12853.3	9429.9	1576.7	944.8	1012.1	1077.0	1044.5	1000.5	942.5	900.8
17226.3	65°	14777.8	11103.9	1334.4	841.7	925.1	979.6	992.4	948.3	888.0	844.0
19213.3	67.5°	16400.8	12154.3	1009.8	755.9	835.9	900.8	936.7	893.8	830.1	787.2
19678.2	70°	16311.6	11391.4	770.9	671.2	757.0	823.1	869.5	835.9	767.5	726.9
17874.3	72.5°	14488.0	9529.6	623.7	585.5	677.0	742.0	797.6	772.1	702.5	663.1
13094.5	75°	10643.7	6764.6	498.5	498.5	577.3	657.3	718.8	702.5	638.8	611.0
5497.5	77.5°	4486.6	2838.0	390.7	413.9	480.0	564.6	641.1	646.9	591.3	626.0
1453.8	80°	1192.9	782.5	297.9	325.8	376.8	466.0	557.6	555.3	495.0	462.6
540.2	82.5°	454.5	308.4	212.2	229.5	272.4	357.1	441.7	455.6	395.3	342.0
212.2	85°	175.1	132.2	131.0	138.0	158.8	236.5	333.9	345.5	297.9	252.7
59.1	87.5°	45.2	39.4	48.7	46.4	73.0	126.4	191.3	198.2	182.0	105.5
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°
3203.2
3056.0
2832.2
2628.2
2505.3
2470.5
2498.3
2537.7
2537.7
2479.8
2372.0
2230.5
2067.1
1886.2
1727.4
1655.5
1550.0
1406.3
1288.0
1209.2
1151.2
1117.6
1034.1
994.7
947.2
900.8
846.3
788.3
730.4
663.1
602.8
568.1
430.1
342.0
260.8
150.7
0.0

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