

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: P849366

Luminaire Tested: **GLAN-SB6B-840-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849366  
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-SB6B-840-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 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: 30089 lumens  
Efficiency: N/A  
Efficacy: 136.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

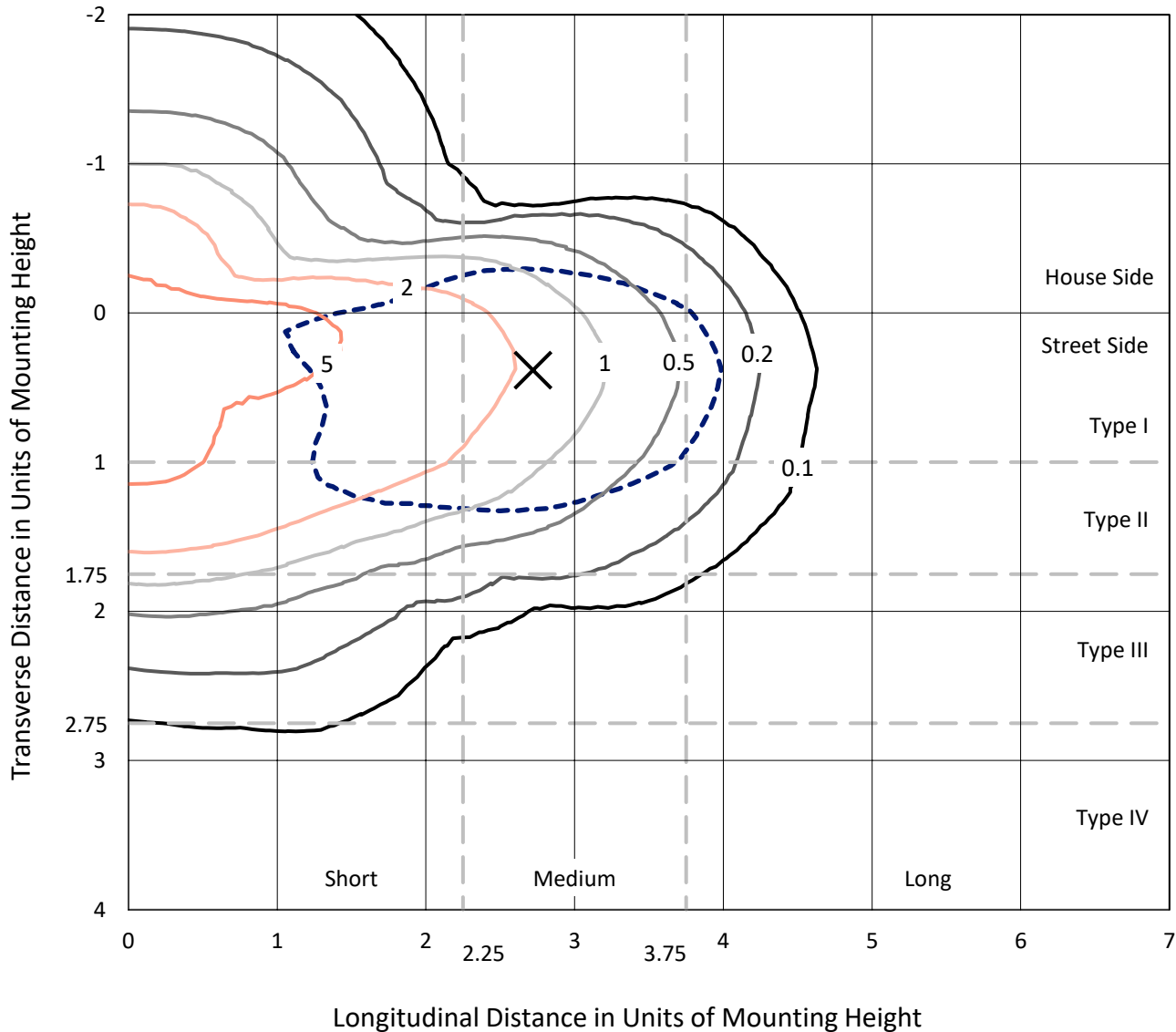
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

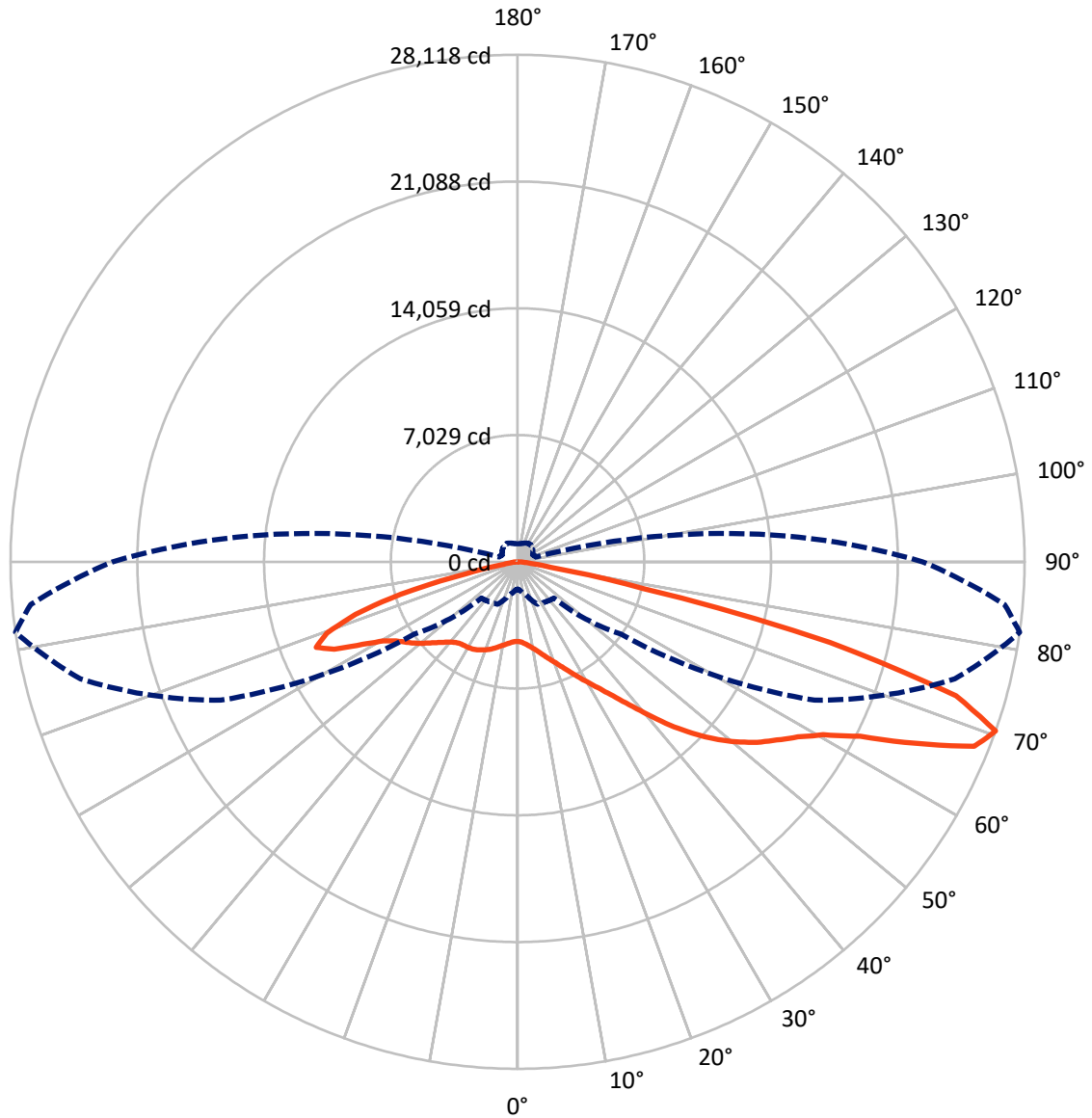
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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	7417.7	0.0	7417.7
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	22671.3	0.0	22671.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	30089.0	0.0	30089.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.5	1.4
10°-20°	1196.7	4.0
20°-30°	2001.9	6.7
30°-40°	3127.5	10.4
40°-50°	4980.9	16.6
50°-60°	6931.6	23.0
60°-70°	7250.7	24.1
70°-80°	3789.6	12.6
80°-90°	393.5	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°	30089.0	100.0
0°-180°	30089.0	100.0

**Coefficient of Utilization**

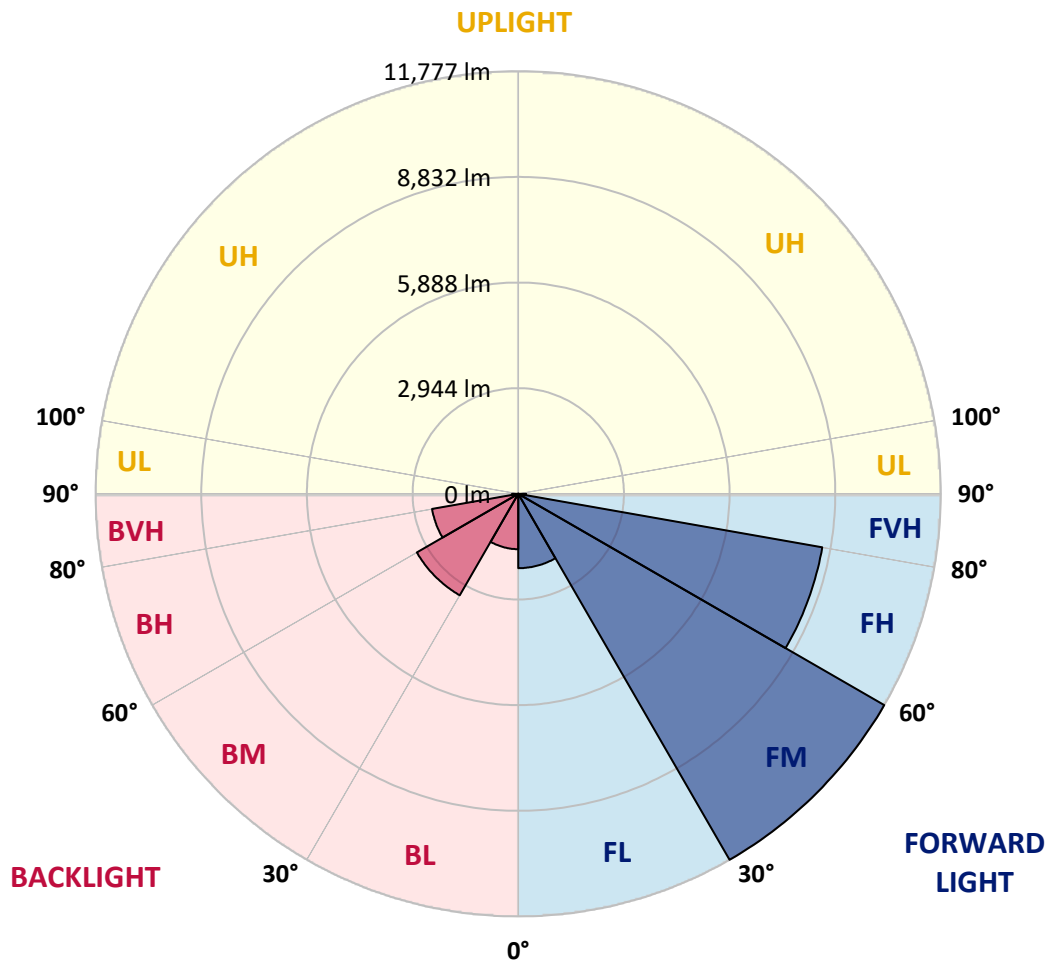


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2072.0	6.9			
FM (30°-60°)	11776.5	39.1			
FH (60°-80°)	8602.5	28.6			G4/12000
FVH (80°-90°)	220.3	0.7			G2/225
BL (0°-30°)	1543.1	5.1	B3/2500		
BM (30°-60°)	3263.5	10.8	B3/5000		
BH (60°-80°)	2437.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	173.2	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°	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4
2.5°	4516.8	4542.3	4534.4	4526.4	4526.4	4515.2	4513.6	4497.6	4484.9	4464.1
5°	4574.3	4601.4	4598.2	4604.6	4625.4	4630.2	4634.9	4625.4	4599.8	4574.3
7.5°	4523.2	4553.5	4563.1	4601.4	4665.3	4722.8	4765.9	4783.4	4759.5	4722.8
10°	4350.8	4384.3	4417.8	4508.8	4622.2	4757.9	4872.8	4941.5	4936.7	4901.6
12.5°	4001.1	4036.2	4108.1	4285.3	4492.9	4732.3	4946.3	5090.0	5139.5	5113.9
15°	3721.7	3752.0	3806.3	3988.3	4258.1	4622.2	4973.4	5252.8	5379.0	5364.6
17.5°	3713.7	3726.5	3760.0	3846.2	4053.8	4449.7	4944.7	5412.5	5653.6	5652.0
20°	3854.2	3859.0	3878.2	3895.7	4013.9	4318.8	4871.2	5545.0	5961.7	5961.7
22.5°	4049.0	4045.8	4065.0	4049.0	4106.5	4307.6	4824.9	5661.6	6305.0	6330.5
25°	4341.2	4325.2	4320.4	4283.7	4294.9	4411.4	4876.0	5794.1	6712.1	6764.8
27.5°	4730.7	4705.2	4687.6	4603.0	4574.3	4625.4	5032.5	5953.7	7165.6	7256.6
30°	5238.5	5192.2	5166.6	5019.7	4916.0	4923.9	5268.8	6166.1	7639.8	7786.6
32.5°	5931.4	5859.5	5790.9	5549.8	5359.8	5297.5	5573.8	6459.9	8153.9	8388.6
35°	6707.3	6649.9	6576.4	6204.4	5912.2	5768.5	5985.7	6870.2	8755.8	9127.8
37.5°	7454.6	7405.1	7440.2	6938.9	6562.1	6352.9	6525.3	7421.0	9498.2	10047.4
40°	8227.3	8189.0	8193.8	7714.8	7275.7	7041.0	7179.9	8112.4	10349.2	11141.1
42.5°	9067.1	9038.4	8942.6	8517.9	8024.5	7805.8	7933.5	8910.7	11262.5	12386.5
45°	10007.5	9990.0	9900.6	9413.6	8848.4	8602.5	8774.9	9792.0	12180.5	13558.4
47.5°	10820.2	10834.6	10823.4	10413.1	9827.1	9466.3	9672.2	10711.6	13034.7	14660.0
50°	11211.4	11286.4	11396.6	11268.8	10904.8	10537.6	10577.5	11599.3	13849.0	15693.0
52.5°	11007.0	11149.1	11449.3	11653.6	11794.1	11717.5	11610.5	12480.7	14615.3	16625.5
55°	10245.4	10445.0	10943.1	11436.5	12153.4	12710.6	12851.1	13457.8	15362.5	17446.1
57.5°	8858.0	9182.1	9629.1	10627.0	11834.0	13191.2	14297.6	14813.3	16154.5	18322.7
60°	6479.0	6913.3	7468.9	8953.8	10716.4	12934.1	15528.6	16895.3	17280.1	19457.8
62.5°	4146.4	4414.6	4925.5	6324.2	8350.3	11616.9	15905.4	19497.8	19188.0	21319.5
65°	2838.8	3011.2	3479.0	4264.5	5398.1	8647.2	14896.3	21448.8	22218.4	24270.0
67.5°	2062.8	2193.7	2592.9	3281.0	3517.3	5117.1	11559.4	21359.4	25164.1	27310.0
70°	1504.0	1596.6	1931.9	2592.9	2706.2	2846.7	7002.7	18156.6	25100.3	28117.8
72.5°	1114.4	1178.3	1403.4	2011.7	2190.5	1922.3	3466.2	13196.0	21568.6	25432.3
75°	806.3	854.2	1020.2	1539.1	1753.1	1464.1	1729.1	7711.6	15044.8	17890.0
77.5°	616.3	653.0	761.6	1127.2	1403.4	1098.5	1072.9	3547.7	7133.6	7168.8
80°	494.9	518.9	578.0	793.5	1076.1	822.3	699.3	1432.2	2254.4	1907.9
82.5°	364.0	403.9	488.6	557.2	769.6	566.8	426.3	723.3	857.4	737.6
85°	207.6	234.7	295.4	399.2	491.8	346.5	244.3	320.9	399.2	327.3
87.5°	73.4	95.8	103.8	156.5	213.9	143.7	94.2	92.6	130.9	97.4
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°
4411.4	0°	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4	4411.4
4459.3	2.5°	4443.4	4435.4	4403.4	4360.3	4315.6	4272.5	4258.1	4227.8	4207.1	4195.9
4563.1	5°	4532.8	4507.2	4432.2	4336.4	4235.8	4127.2	4050.6	3980.3	3929.2	3881.4
4705.2	7.5°	4660.5	4615.8	4486.5	4318.8	4140.0	3959.6	3825.5	3723.3	3654.6	3609.9
4871.2	10°	4809.0	4740.3	4542.3	4291.7	4015.5	3756.8	3598.8	3510.9	3467.8	3443.9
5061.2	12.5°	4979.8	4882.4	4599.8	4229.4	3825.5	3530.1	3421.5	3396.0	3397.6	3399.2
5300.7	15°	5190.6	5054.9	4646.1	4093.7	3578.0	3356.1	3336.9	3378.4	3421.5	3442.3
5572.2	17.5°	5428.5	5236.9	4654.1	3870.2	3335.3	3244.3	3305.0	3394.4	3459.8	3488.6
5875.5	20°	5683.9	5422.1	4596.6	3554.0	3135.7	3153.3	3261.9	3376.8	3448.7	3485.4
6222.0	22.5°	5976.1	5620.1	4459.3	3222.0	2972.9	3054.3	3182.0	3293.8	3368.8	3405.6
6629.1	25°	6309.8	5842.0	4243.8	2942.5	2832.4	2942.5	3070.3	3162.9	3223.5	3257.1
7084.1	27.5°	6680.2	6073.5	3956.4	2720.6	2709.4	2827.6	2933.0	3004.8	3036.7	3062.3
7567.9	30°	7052.2	6284.2	3608.3	2553.0	2602.5	2714.2	2789.3	2821.2	2830.8	2835.6
8107.6	32.5°	7454.6	6466.3	3242.7	2414.1	2500.3	2604.1	2648.8	2663.1	2618.4	2588.1
8762.2	35°	7941.5	6661.0	2885.1	2303.9	2399.7	2489.1	2503.5	2490.7	2438.0	2375.8
9582.8	37.5°	8543.4	6903.7	2599.3	2225.7	2305.5	2364.6	2347.0	2343.8	2348.6	2275.2
10569.5	40°	9281.1	7219.9	2390.1	2165.0	2228.9	2241.6	2192.1	2219.3	2243.2	2131.5
11652.0	42.5°	10100.1	7601.4	2257.6	2123.5	2165.0	2134.7	2058.0	2088.4	2085.2	1938.3
12739.3	45°	10935.2	8016.6	2211.3	2093.2	2105.9	2045.3	1960.6	1968.6	1901.6	1769.0
13781.9	47.5°	11765.4	8462.0	2240.0	2067.6	2032.5	1963.8	1898.4	1863.2	1764.3	1665.3
14781.4	50°	12579.7	8929.8	2345.4	2016.5	1931.9	1892.0	1844.1	1781.8	1676.4	1591.8
15726.6	52.5°	13334.9	9400.8	2463.6	1931.9	1805.8	1829.7	1799.4	1727.5	1623.7	1537.5
16620.7	55°	14050.1	9871.8	2509.9	1815.3	1687.6	1775.4	1757.9	1625.3	1500.8	1430.6
17556.3	57.5°	14829.3	10438.6	2458.8	1666.9	1591.8	1713.2	1646.1	1499.2	1427.4	1374.7
18774.5	60°	15908.6	11327.9	2348.6	1483.2	1500.8	1620.6	1505.6	1444.9	1366.7	1307.6
20601.0	62.5°	17701.6	12986.8	2171.4	1301.2	1393.8	1483.2	1438.5	1377.9	1298.0	1240.6
23724.0	65°	20351.9	15292.3	1837.7	1159.1	1274.1	1349.1	1366.7	1306.0	1223.0	1162.3
26460.6	67.5°	22587.2	16738.8	1390.6	1041.0	1151.2	1240.6	1290.1	1231.0	1143.2	1084.1
27100.8	70°	22464.3	15688.3	1061.7	924.4	1042.6	1133.6	1197.5	1151.2	1057.0	1001.1
24616.5	72.5°	19952.8	13124.1	859.0	806.3	932.4	1021.8	1098.5	1063.3	967.5	913.3
18033.7	75°	14658.4	9316.2	686.5	686.5	795.1	905.3	989.9	967.5	879.7	841.4
7571.1	77.5°	6178.9	3908.5	538.1	570.0	661.0	777.5	882.9	890.9	814.3	862.2
2002.1	80°	1642.9	1077.7	410.3	448.6	518.9	641.8	768.0	764.8	681.8	637.0
744.0	82.5°	625.9	424.7	292.2	316.1	375.2	491.8	608.3	627.5	544.4	471.0
292.2	85°	241.1	182.0	180.4	190.0	218.7	325.7	459.8	475.8	410.3	348.1
81.4	87.5°	62.3	54.3	67.1	63.9	100.6	174.0	263.4	273.0	250.7	145.3
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°
4411.4
4208.7
3900.5
3619.5
3450.3
3402.4
3440.7
3495.0
3495.0
3415.1
3266.7
3071.9
2846.7
2597.7
2378.9
2280.0
2134.7
1936.7
1773.8
1665.3
1585.4
1539.1
1424.2
1369.9
1304.4
1240.6
1165.5
1085.7
1005.9
913.3
830.2
782.3
592.3
471.0
359.2
207.6
0.0

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