

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: P849115

Luminaire Tested: **GLAN-SB6A-730-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849115  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-730-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19188 lumens  
Efficiency: N/A  
Efficacy: 112.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

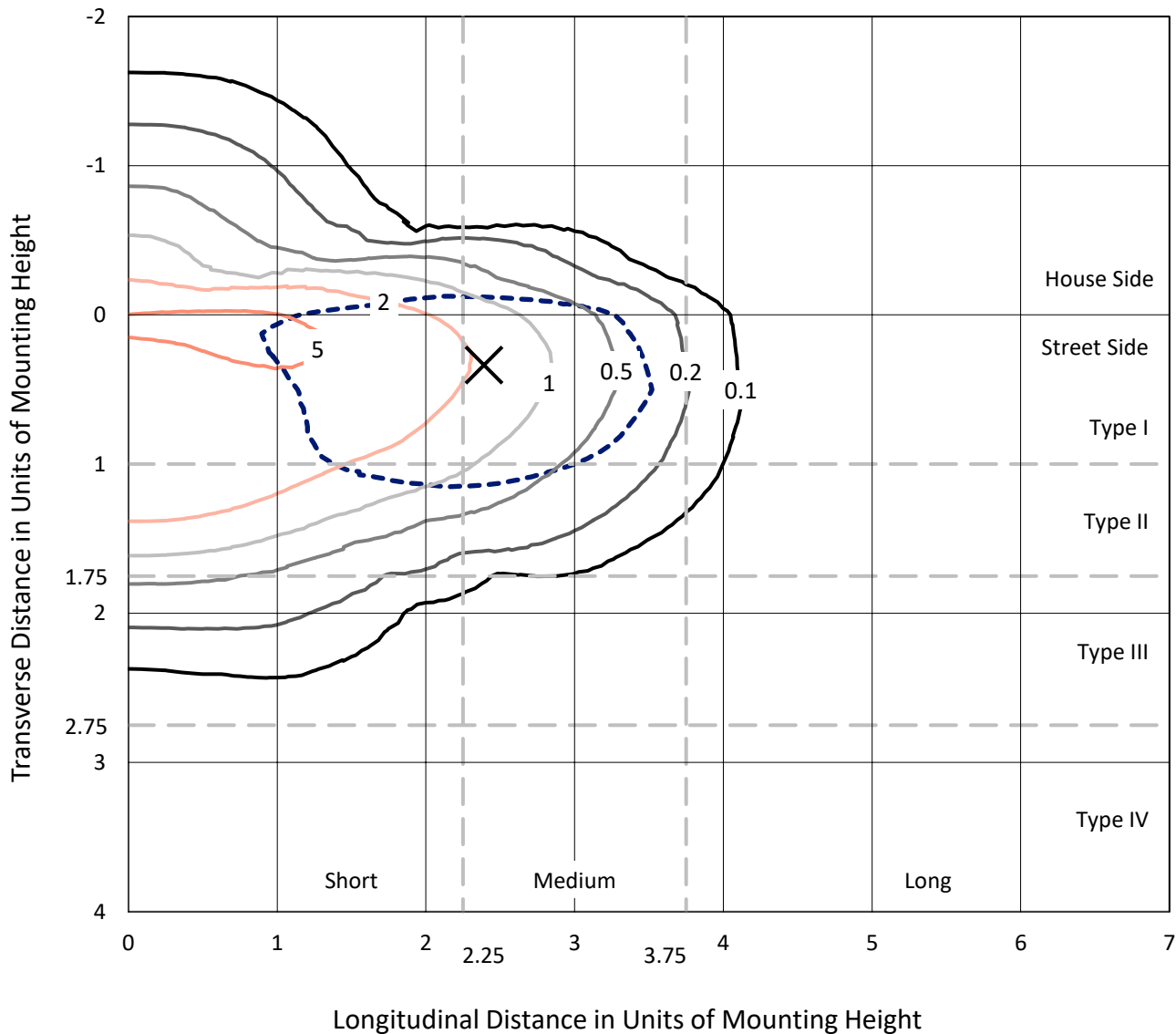
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

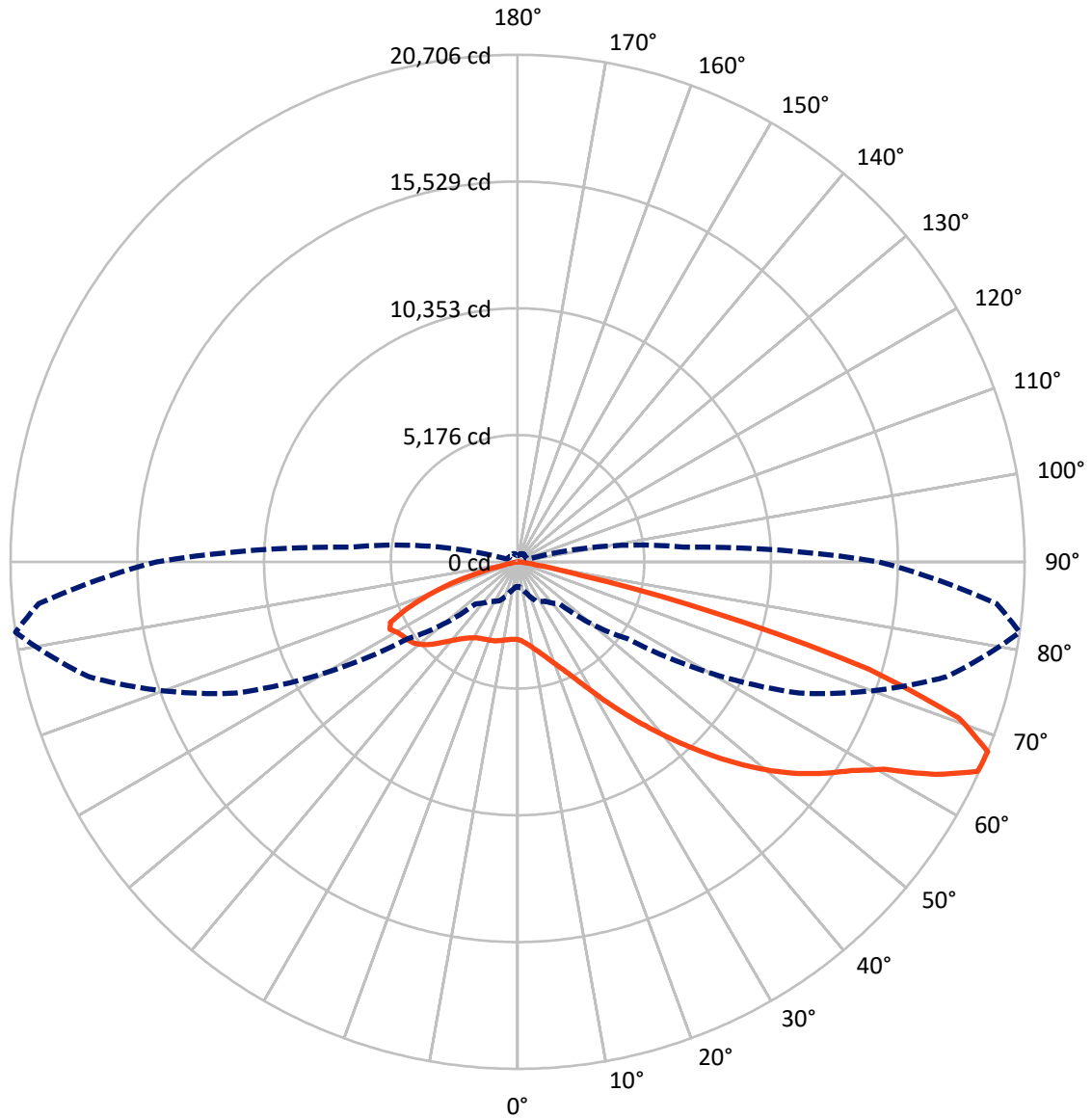
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3475.7	0.0	3475.7
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	15712.3	0.0	15712.3
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	19188.0	0.0	19188.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.2	1.5
10°-20°	735.9	3.8
20°-30°	1178.7	6.1
30°-40°	2084.4	10.9
40°-50°	3652.0	19.0
50°-60°	4870.8	25.4
60°-70°	4534.5	23.6
70°-80°	1740.3	9.1
80°-90°	108.1	0.6
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°	19188.0	100.0
0°-180°	19188.0	100.0

**Coefficient of Utilization**

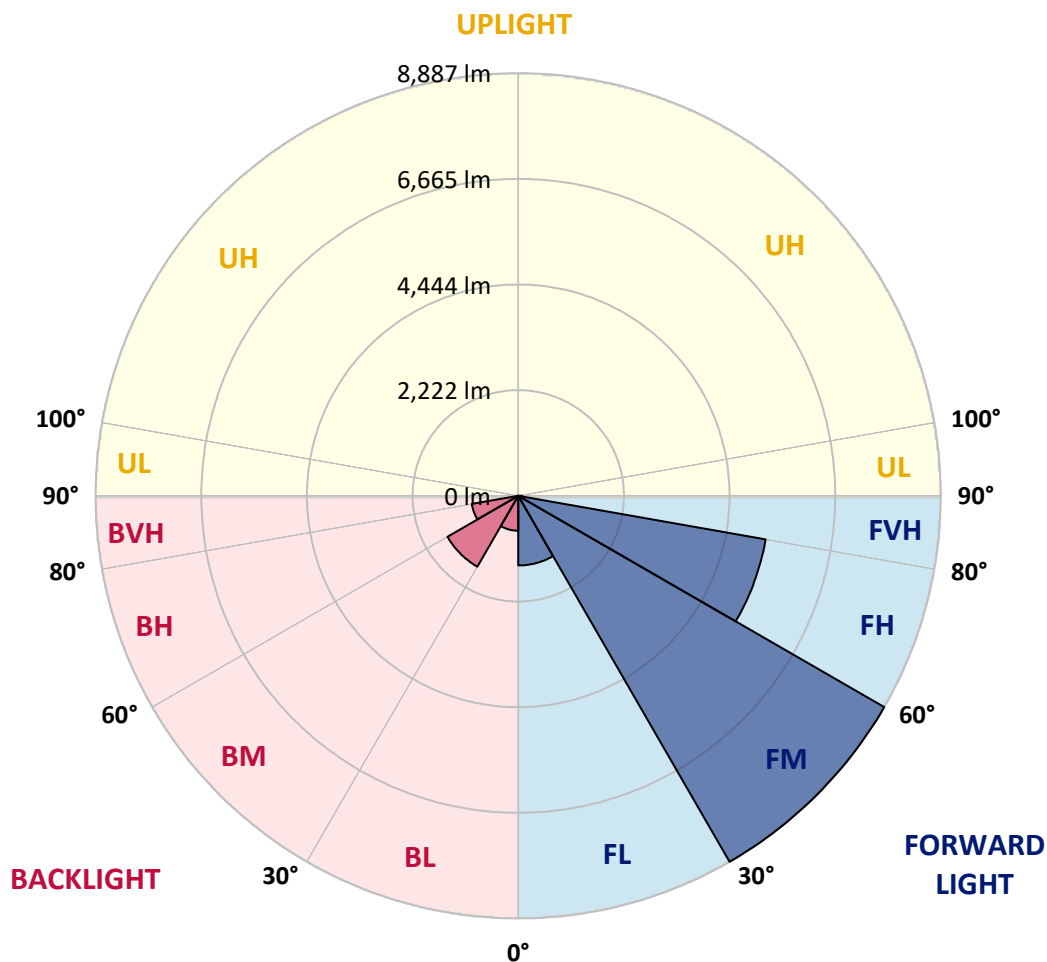


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1463.8	7.6			
FM (30°-60°)	8887.1	46.3			
FH (60°-80°)	5282.8	27.5			G3/7500
FVH (80°-90°)	78.6	0.4			G1/100
BL (0°-30°)	734.1	3.8	B2/1000		
BM (30°-60°)	1720.1	9.0	B2/2500		
BH (60°-80°)	992.0	5.2	B2/1000		G2/1000
BVH (80°-90°)	29.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8
2.5°	3359.8	3379.1	3368.1	3362.5	3352.9	3339.1	3328.0	3293.5	3257.5	3234.1
5°	3427.5	3446.8	3445.4	3451.0	3457.9	3462.0	3459.2	3420.6	3369.4	3329.4
7.5°	3369.4	3391.6	3409.5	3437.1	3485.5	3536.6	3561.5	3553.2	3500.7	3445.4
10°	3205.1	3228.5	3271.4	3336.3	3438.5	3549.0	3641.6	3684.4	3651.3	3590.5
12.5°	2903.9	2927.4	3011.6	3152.6	3323.9	3515.9	3692.7	3807.4	3815.7	3754.9
15°	2565.4	2588.9	2678.7	2855.5	3116.6	3424.7	3720.3	3937.2	4010.5	3958.0
17.5°	2355.4	2376.2	2443.9	2586.1	2858.3	3242.4	3710.7	4075.4	4242.5	4201.1
20°	2291.9	2309.8	2341.6	2441.1	2667.7	3053.1	3647.1	4205.2	4492.6	4469.1
22.5°	2359.6	2376.2	2385.8	2430.0	2572.3	2928.8	3567.0	4337.9	4782.7	4785.5
25°	2515.7	2532.3	2521.2	2548.8	2611.0	2890.1	3536.6	4494.0	5147.4	5177.8
27.5°	2772.6	2774.0	2747.8	2746.4	2756.1	2948.1	3568.4	4661.1	5607.5	5664.1
30°	3287.9	3267.2	3166.4	3057.2	3007.5	3122.2	3656.8	4858.7	6150.4	6251.2
32.5°	4082.3	4051.9	3866.8	3605.7	3343.2	3402.6	3815.7	5083.9	6741.7	6924.0
35°	4944.3	4936.1	4742.6	4354.4	3895.8	3801.9	4074.0	5379.5	7386.8	7676.9
37.5°	5745.6	5741.5	5630.9	5173.7	4615.5	4358.6	4488.5	5766.3	8077.6	8497.5
40°	6477.8	6490.2	6379.7	5970.8	5408.5	5072.8	5052.1	6244.3	8845.7	9391.4
42.5°	7110.5	7124.3	7012.4	6709.9	6191.8	5863.0	5744.2	6830.1	9595.8	10351.5
45°	7540.2	7625.8	7609.2	7367.5	6995.9	6654.6	6575.9	7565.0	10451.0	11369.6
47.5°	7661.7	7740.5	7864.8	7898.0	7671.4	7335.7	7429.6	8450.6	11315.8	12389.2
50°	7361.9	7435.2	7693.5	8037.5	8195.0	8091.4	8259.9	9399.6	12201.3	13406.0
52.5°	6770.7	6845.3	7171.3	7715.6	8358.0	8684.0	9092.9	10334.9	13059.2	14368.8
55°	5915.5	5994.3	6412.9	7029.0	8047.2	8928.6	9787.8	11268.8	13845.3	15235.0
57.5°	4752.3	4810.3	5245.5	6107.6	7265.2	8685.4	10300.4	12288.3	14585.7	16086.0
60°	3097.3	3148.4	3654.0	4615.5	5969.4	7873.1	10402.6	13425.3	15569.4	17192.6
62.5°	2059.8	2094.3	2394.1	3100.1	4203.9	6313.4	9804.4	14332.9	17011.6	19118.4
65°	1413.3	1447.8	1747.6	2239.4	2716.0	4176.2	8084.5	14212.7	18318.5	20647.7
67.5°	1008.5	1037.5	1291.7	1755.9	1965.9	2425.9	5480.4	12676.5	18130.6	20705.7
70°	722.5	739.1	949.1	1367.7	1562.5	1457.5	3047.6	9695.3	15874.7	19119.8
72.5°	505.6	511.2	659.0	1041.6	1258.5	1063.7	1450.6	6464.0	12006.5	15007.1
75°	342.6	349.5	443.5	764.0	1009.9	812.3	768.1	3466.2	7048.3	8306.9
77.5°	210.0	212.7	286.0	522.2	755.7	618.9	494.6	1468.5	2727.1	2677.3
80°	118.8	118.8	182.4	324.6	515.3	399.2	346.8	624.4	863.4	758.4
82.5°	66.3	67.7	132.6	201.7	341.2	236.2	190.6	288.7	373.0	330.2
85°	27.6	30.4	81.5	95.3	163.0	117.4	77.4	121.6	138.1	123.0
87.5°	2.8	4.1	24.9	18.0	19.3	23.5	11.1	23.5	19.3	19.3
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°
3178.8	0°	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8	3178.8
3225.8	2.5°	3199.5	3178.8	3126.3	3065.5	2985.4	2946.7	2894.2	2858.3	2827.9	2830.7
3305.9	5°	3261.7	3209.2	3091.8	2945.3	2763.0	2633.1	2495.0	2399.6	2322.3	2305.7
3416.4	7.5°	3347.3	3264.5	3058.6	2794.7	2486.7	2253.2	2044.6	1910.6	1815.3	1784.9
3550.4	10°	3457.9	3337.7	3015.8	2605.5	2162.0	1865.0	1641.2	1536.2	1471.3	1449.2
3707.9	12.5°	3586.3	3421.9	2959.1	2374.8	1827.7	1541.7	1399.4	1347.0	1326.2	1319.3
3901.3	15°	3748.0	3526.9	2873.5	2101.2	1544.5	1344.2	1283.4	1276.5	1279.3	1276.5
4133.4	17.5°	3940.0	3641.6	2734.0	1819.4	1353.9	1243.3	1221.2	1226.8	1233.7	1232.3
4393.1	20°	4150.0	3754.9	2555.8	1569.4	1224.0	1171.5	1159.1	1164.6	1170.1	1167.4
4692.9	22.5°	4389.0	3876.5	2358.2	1374.6	1137.0	1105.2	1091.4	1092.8	1092.8	1087.2
5072.8	25°	4675.0	4010.5	2151.0	1236.4	1070.7	1045.8	1029.2	1023.7	1015.4	998.8
5534.2	27.5°	5016.2	4152.8	1952.0	1139.7	1018.2	994.7	975.3	961.5	940.8	913.2
6088.2	30°	5400.2	4325.4	1783.5	1078.9	976.7	953.2	931.1	910.4	880.0	845.5
6725.1	32.5°	5852.0	4510.6	1660.5	1038.9	939.4	914.5	888.3	863.4	830.3	795.7
7440.7	35°	6390.8	4734.4	1588.7	1011.2	910.4	877.2	848.2	820.6	795.7	765.3
8218.5	37.5°	6975.1	4972.0	1566.6	997.4	891.1	839.9	806.8	787.4	784.7	766.7
9059.8	40°	7614.8	5253.8	1583.2	989.1	870.3	804.0	768.1	764.0	770.9	739.1
9959.1	42.5°	8291.7	5588.1	1610.8	979.5	841.3	768.1	733.6	733.6	728.0	683.8
10909.6	45°	9023.9	5973.6	1638.4	956.0	806.8	732.2	705.9	696.3	672.8	630.0
11865.6	47.5°	9761.6	6365.9	1659.2	913.2	765.3	701.8	678.3	656.2	621.7	583.0
12803.6	50°	10462.0	6718.2	1637.1	849.6	718.4	672.8	647.9	617.5	580.2	554.0
13691.9	52.5°	11087.8	7023.5	1543.1	775.0	668.6	642.4	620.3	588.5	558.1	530.5
14493.2	55°	11632.1	7270.8	1377.3	704.6	624.4	616.1	594.0	554.0	512.5	489.0
15287.5	57.5°	12154.3	7458.6	1170.1	646.5	584.4	587.1	554.0	518.1	479.4	454.5
16358.2	60°	12849.2	7710.1	960.1	592.7	541.5	549.8	513.9	487.7	439.3	407.5
18194.2	62.5°	13959.9	8101.0	762.6	526.3	491.8	494.6	479.4	447.6	389.6	352.3
19555.0	65°	14841.3	7957.4	600.9	454.5	435.2	439.3	439.3	404.8	342.6	299.8
19628.2	67.5°	14741.9	6813.5	479.4	384.1	381.3	384.1	393.7	364.7	303.9	269.4
18133.4	70°	13580.0	5419.6	384.1	319.1	331.6	324.6	352.3	332.9	273.5	239.0
14058.0	72.5°	11080.9	3904.1	292.9	263.9	254.2	265.2	317.7	299.8	227.9	189.3
7446.2	75°	6475.0	2083.3	218.3	208.6	183.7	221.0	281.8	255.6	174.1	139.5
2282.2	77.5°	2108.1	726.7	160.3	153.3	136.8	178.2	240.4	215.5	142.3	110.5
668.6	80°	565.0	219.7	109.1	100.8	88.4	132.6	190.6	171.3	102.2	71.8
287.3	82.5°	226.6	92.6	63.5	56.6	48.4	91.2	150.6	138.1	76.0	45.6
89.8	85°	73.2	30.4	23.5	18.0	22.1	56.6	89.8	93.9	53.9	23.5
13.8	87.5°	9.7	4.1	4.1	5.5	4.1	9.7	27.6	26.2	15.2	2.8
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°
3178.8
2803.0
2268.4
1754.5
1432.6
1315.2
1275.1
1229.5
1166.0
1084.5
996.1
910.4
842.7
797.1
762.6
765.3
740.5
683.8
628.6
581.6
549.8
527.7
486.3
451.7
403.4
349.5
295.6
263.9
234.9
185.1
135.4
106.4
70.5
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18.0
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