

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: P852782

Luminaire Tested: **GLAN-SB6B-840-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852782  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6B-840-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22992 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

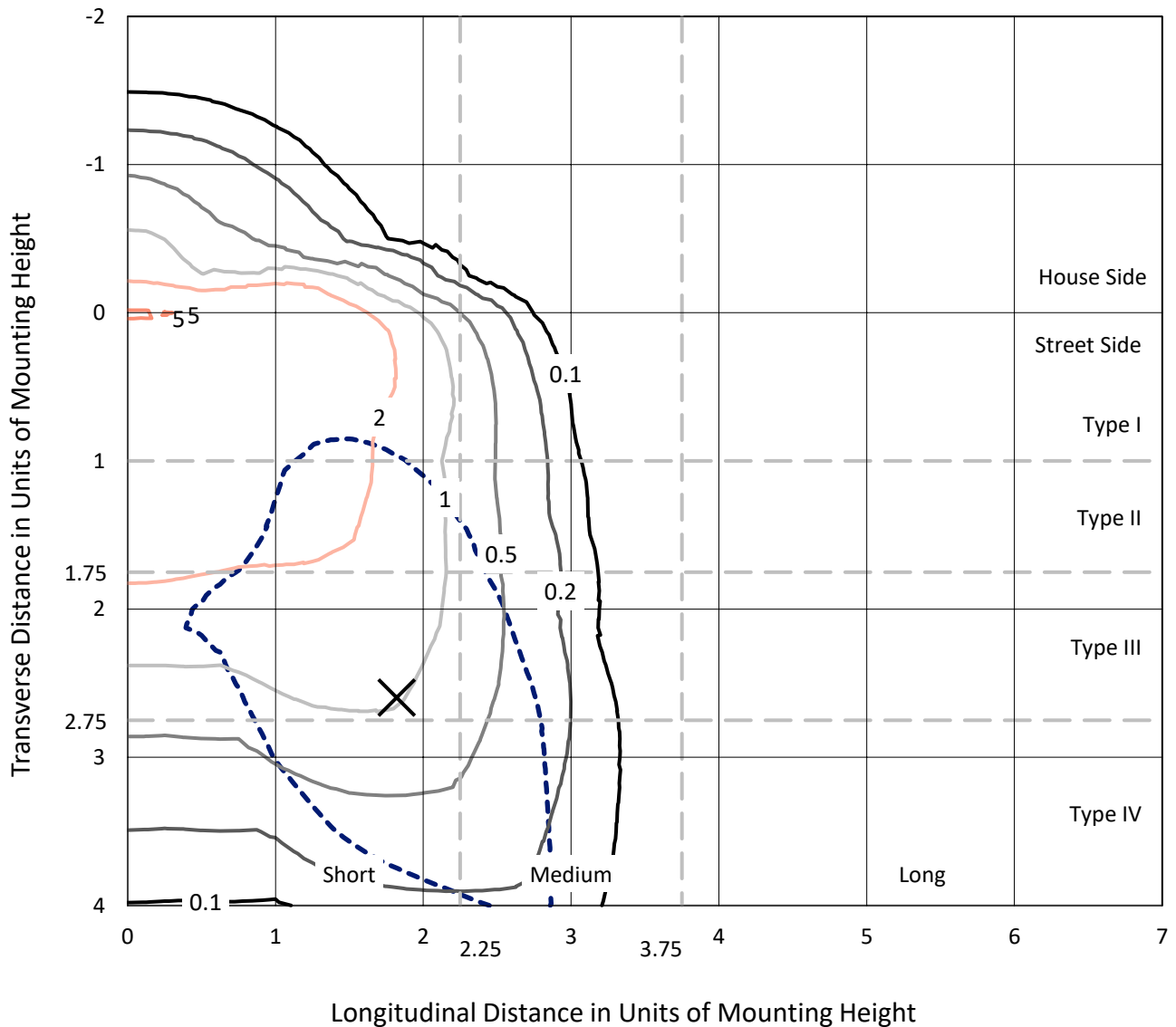
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

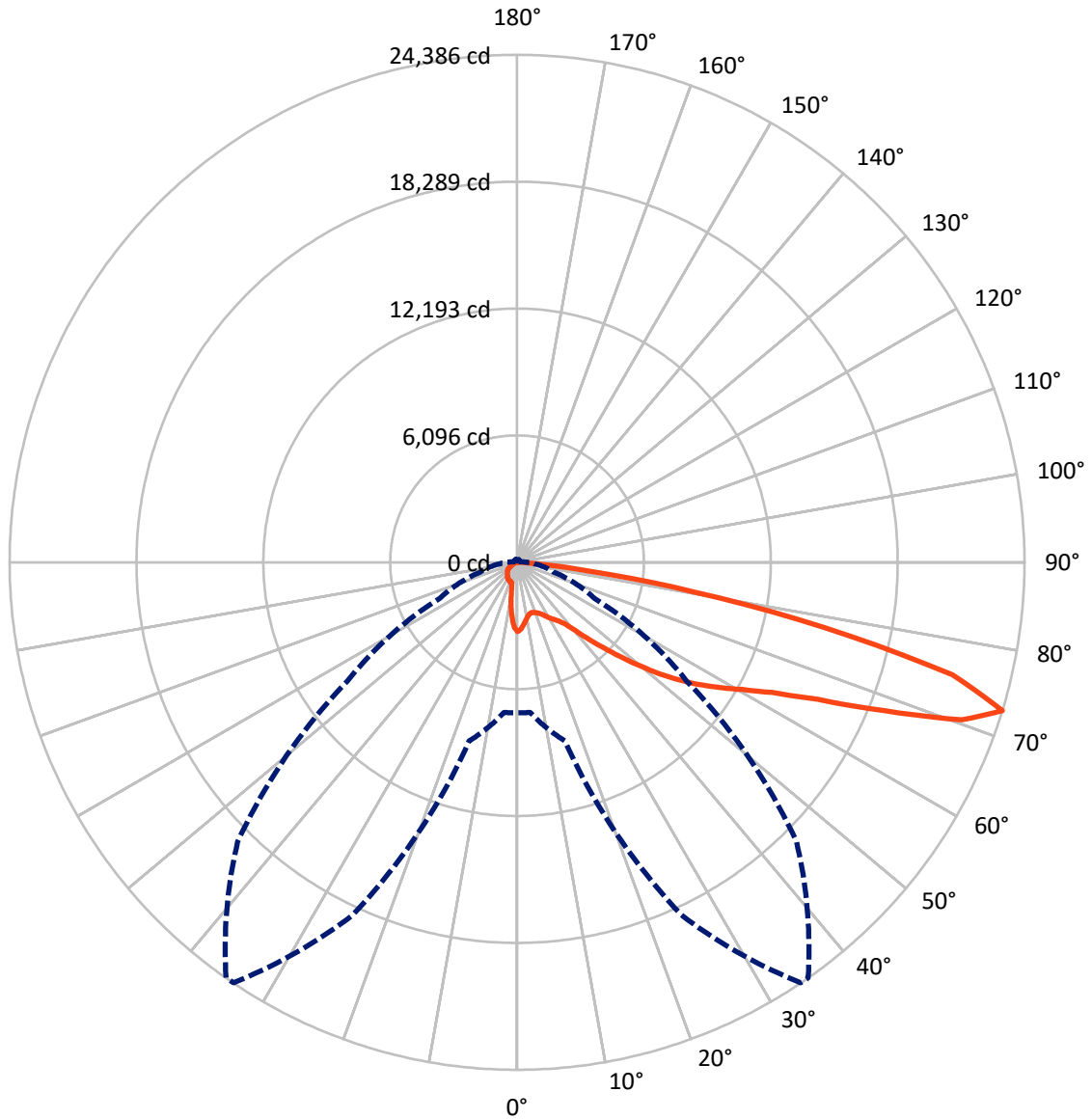
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2587.6	0.0	2587.6
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	20404.3	0.0	20404.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	22992.0	0.0	22992.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	273.8	1.2
10°-20°	640.6	2.8
20°-30°	1040.6	4.5
30°-40°	1736.3	7.6
40°-50°	3285.0	14.3
50°-60°	5219.9	22.7
60°-70°	6457.4	28.1
70°-80°	4014.0	17.5
80°-90°	324.4	1.4
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°	22992.0	100.0
0°-180°	22992.0	100.0

**Coefficient of Utilization**

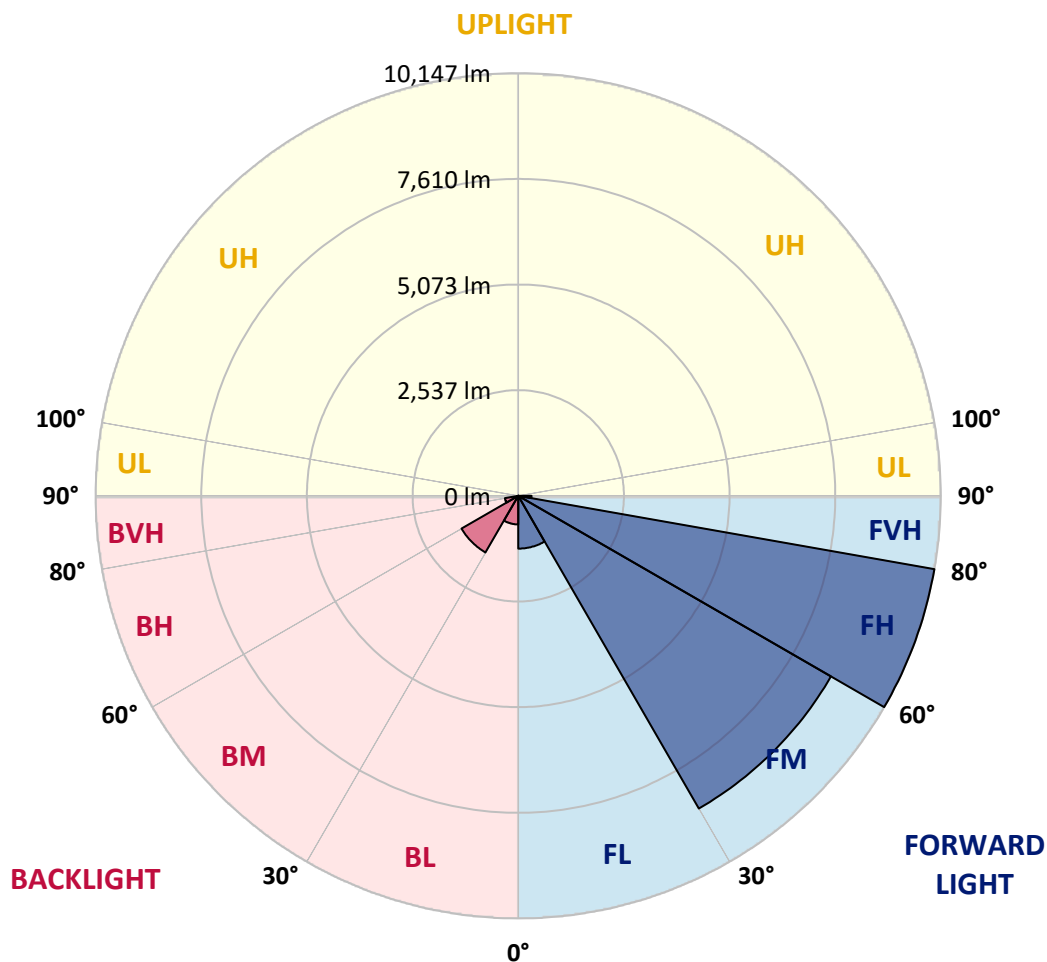


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1267.4	5.5			
FM (30°-60°)	8670.3	37.7			
FH (60°-80°)	10146.6	44.1			G4/12000
FVH (80°-90°)	320.0	1.4			G3/500
BL (0°-30°)	687.6	3.0	B2/1000		
BM (30°-60°)	1570.9	6.8	B2/2500		
BH (60°-80°)	324.7	1.4	B1/500		G1/500
BVH (80°-90°)	4.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3
2.5°	3184.1	3211.0	3216.1	3224.5	3224.5	3234.6	3251.4	3275.0	3313.8	3334.0
5°	2934.7	2954.9	2980.2	3000.4	3039.2	3044.2	3109.9	3174.0	3263.2	3330.6
7.5°	2683.7	2707.3	2741.0	2789.8	2840.4	2855.5	2954.9	3062.8	3204.3	3330.6
10°	2506.8	2508.5	2538.8	2587.7	2668.5	2687.1	2808.4	2961.7	3138.6	3310.4
12.5°	2407.4	2419.2	2432.7	2469.8	2547.2	2559.0	2688.8	2869.0	3072.9	3298.6
15°	2407.4	2415.8	2424.3	2442.8	2505.1	2515.2	2629.8	2810.1	3039.2	3303.7
17.5°	2432.7	2446.2	2439.4	2461.3	2527.0	2533.8	2634.9	2793.2	3037.5	3335.7
20°	2493.3	2503.4	2490.0	2503.4	2569.1	2582.6	2687.1	2825.2	3066.1	3391.3
22.5°	2589.4	2594.4	2562.4	2572.5	2639.9	2656.8	2778.0	2916.2	3135.2	3480.6
25°	2710.7	2720.8	2671.9	2683.7	2747.7	2767.9	2907.8	3052.7	3244.7	3603.5
27.5°	2850.5	2855.5	2813.4	2811.7	2894.3	2922.9	3064.4	3221.1	3391.3	3758.5
30°	3010.5	3025.7	2985.3	2978.5	3083.0	3106.6	3246.4	3428.3	3606.9	3991.0
32.5°	3136.9	3148.7	3125.1	3141.9	3248.1	3266.6	3467.1	3721.5	3945.5	4321.2
35°	3318.8	3325.6	3271.7	3302.0	3423.3	3470.5	3768.6	4132.5	4371.8	4735.7
37.5°	3977.5	3977.5	3748.4	3598.5	3714.7	3756.9	4181.4	4649.7	4897.4	5291.6
40°	4889.0	4873.8	4538.5	4231.9	4216.8	4299.3	4769.4	5301.7	5576.3	5958.7
42.5°	5861.0	5837.4	5380.9	5077.6	5027.1	5055.7	5448.3	6105.3	6385.0	6772.4
45°	6723.6	6716.8	6299.0	5891.4	5800.4	5891.4	6295.7	7045.4	7245.8	7653.5
47.5°	7446.3	7446.3	7141.4	6875.2	6828.0	6881.9	7442.9	8088.2	8069.7	8591.9
50°	8278.6	8271.8	7982.0	7867.5	7916.3	7992.2	8763.7	9186.6	8922.1	9513.4
52.5°	8861.5	8901.9	8802.5	8784.0	9033.3	9164.7	10104.8	10261.4	9685.3	10387.8
55°	9323.1	9370.2	9484.8	9614.5	10094.6	10266.5	11403.6	11280.7	10323.8	11145.9
57.5°	9976.7	9909.3	10086.2	10342.3	11118.9	11326.2	12662.1	12242.6	10837.6	11760.8
60°	10770.2	10780.3	10810.6	11134.1	12141.5	12407.7	13902.0	13152.4	11167.8	12138.2
62.5°	11723.7	11738.9	11801.2	12298.2	13514.6	13765.6	15222.8	13897.0	11319.4	12032.0
65°	11658.0	11722.1	12417.8	14117.7	15601.9	15849.5	16764.3	14419.2	11090.3	11061.7
67.5°	10620.3	10724.7	11888.8	16290.9	18748.9	19025.2	18627.6	14522.0	10101.4	8602.0
70°	9259.0	9296.1	10696.1	18245.2	22392.9	22672.5	20295.4	13391.6	7665.3	4798.0
72.5°	7230.7	7239.1	8881.7	18698.3	24370.7	24385.9	18986.4	9941.3	4122.4	1843.0
75°	5165.3	5114.7	5948.6	15163.9	21441.0	21612.9	14233.9	4663.2	1575.2	871.0
77.5°	2769.6	2825.2	3366.0	8992.9	14811.8	15104.9	7766.4	1344.4	801.9	593.0
80°	855.8	903.0	1379.8	4117.4	8389.7	8566.6	2879.1	598.1	559.3	422.9
82.5°	269.5	279.7	643.6	1730.2	3482.2	3563.1	833.9	338.6	382.4	279.7
85°	77.5	79.2	286.4	645.2	860.9	877.7	234.2	131.4	219.0	173.5
87.5°	8.4	27.0	107.8	107.8	75.8	74.1	25.3	28.6	62.3	21.9
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°
3332.3	0°	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3	3332.3
3347.5	2.5°	3339.1	3340.7	3318.8	3281.8	3241.3	3207.6	3165.5	3131.8	3108.2	3101.5
3377.8	5°	3362.6	3350.8	3288.5	3175.6	3040.9	2924.6	2794.9	2692.1	2624.7	2596.1
3409.8	7.5°	3398.0	3364.3	3227.9	3005.5	2747.7	2518.6	2286.1	2105.9	1991.3	1934.0
3440.1	10°	3428.3	3361.0	3126.8	2759.5	2365.3	2018.3	1704.9	1487.6	1366.3	1309.0
3475.5	12.5°	3457.0	3359.3	2995.4	2468.1	1934.0	1509.5	1218.0	1110.2	1076.5	1064.7
3532.8	15°	3510.9	3364.3	2830.3	2134.5	1504.4	1140.5	1034.4	1032.7	1039.5	1036.1
3620.4	17.5°	3585.0	3369.4	2643.3	1780.7	1160.7	1005.8	1000.7	1015.9	1026.0	1020.9
3729.9	20°	3681.0	3389.6	2444.5	1430.3	997.3	972.1	983.9	997.3	1005.8	997.3
3876.5	22.5°	3815.8	3425.0	2227.2	1149.0	945.1	951.8	962.0	977.1	985.5	973.7
4063.5	25°	3980.9	3480.6	2013.2	999.0	919.8	928.3	943.4	960.3	970.4	958.6
4299.3	27.5°	4194.9	3569.9	1816.1	965.3	894.6	899.6	921.5	946.8	960.3	945.1
4634.6	30°	4504.9	3716.4	1645.9	980.5	879.4	867.6	897.9	933.3	948.5	935.0
5091.1	32.5°	4915.9	3923.6	1541.5	1004.1	872.7	830.6	859.2	904.7	929.9	921.5
5687.5	35°	5455.0	4238.7	1501.1	1031.0	867.6	791.8	812.0	860.9	904.7	913.1
6438.9	37.5°	6108.7	4676.7	1512.8	1042.8	852.5	759.8	769.9	812.0	869.3	896.3
7284.6	40°	6851.6	5187.2	1580.2	1031.0	835.6	732.8	734.5	766.5	817.1	857.5
8194.3	42.5°	7618.2	5783.5	1704.9	987.2	820.4	709.3	704.2	726.1	759.8	788.4
9102.4	45°	8347.6	6396.8	1827.9	926.6	801.9	685.7	673.9	682.3	689.0	700.8
9986.8	47.5°	8984.4	6828.0	1792.5	871.0	776.6	658.7	638.5	635.1	614.9	613.2
10776.9	50°	9424.1	6922.4	1592.0	815.4	739.6	628.4	596.4	576.2	540.8	523.9
11368.3	52.5°	9564.0	6550.1	1300.6	759.8	678.9	588.0	542.5	510.5	466.7	451.5
11708.6	55°	9378.7	5820.6	1039.5	692.4	594.7	534.0	483.5	441.4	406.0	387.5
11745.6	57.5°	8925.5	4892.3	822.1	613.2	505.4	473.4	422.9	380.7	350.4	331.9
11334.6	60°	8174.1	3884.9	650.3	518.9	431.3	407.7	355.5	328.5	301.6	279.7
10273.2	62.5°	7033.6	2773.0	510.5	411.1	360.5	333.6	303.2	283.0	251.0	220.7
8364.5	65°	5488.7	1696.5	394.2	301.6	289.8	276.3	257.8	239.2	200.5	170.2
5456.7	67.5°	3462.0	803.6	281.3	227.4	229.1	222.4	214.0	198.8	170.2	143.2
2444.5	70°	1524.6	389.2	185.3	173.5	170.2	170.2	176.9	171.8	144.9	119.6
849.1	72.5°	518.9	208.9	138.1	131.4	123.0	121.3	148.3	143.2	116.2	92.7
422.9	75°	271.2	139.8	101.1	94.3	74.1	89.3	117.9	111.2	82.5	60.6
279.7	77.5°	176.9	99.4	69.1	60.6	42.1	59.0	87.6	77.5	48.9	30.3
183.6	80°	111.2	65.7	40.4	28.6	20.2	32.0	47.2	33.7	18.5	6.7
107.8	82.5°	59.0	33.7	15.2	10.1	8.4	10.1	11.8	8.4	3.4	0.0
55.6	85°	23.6	11.8	5.1	3.4	1.7	0.0	3.4	1.7	0.0	0.0
10.1	87.5°	8.4	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3332.3
3113.3
2606.2
1942.4
1310.7
1061.4
1034.4
1019.2
995.7
972.1
956.9
945.1
933.3
921.5
913.1
903.0
871.0
800.2
707.6
611.5
525.6
449.8
387.5
328.5
274.6
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