

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: P848757

Luminaire Tested: **GLAN-SB5C-722-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848757  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-722-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

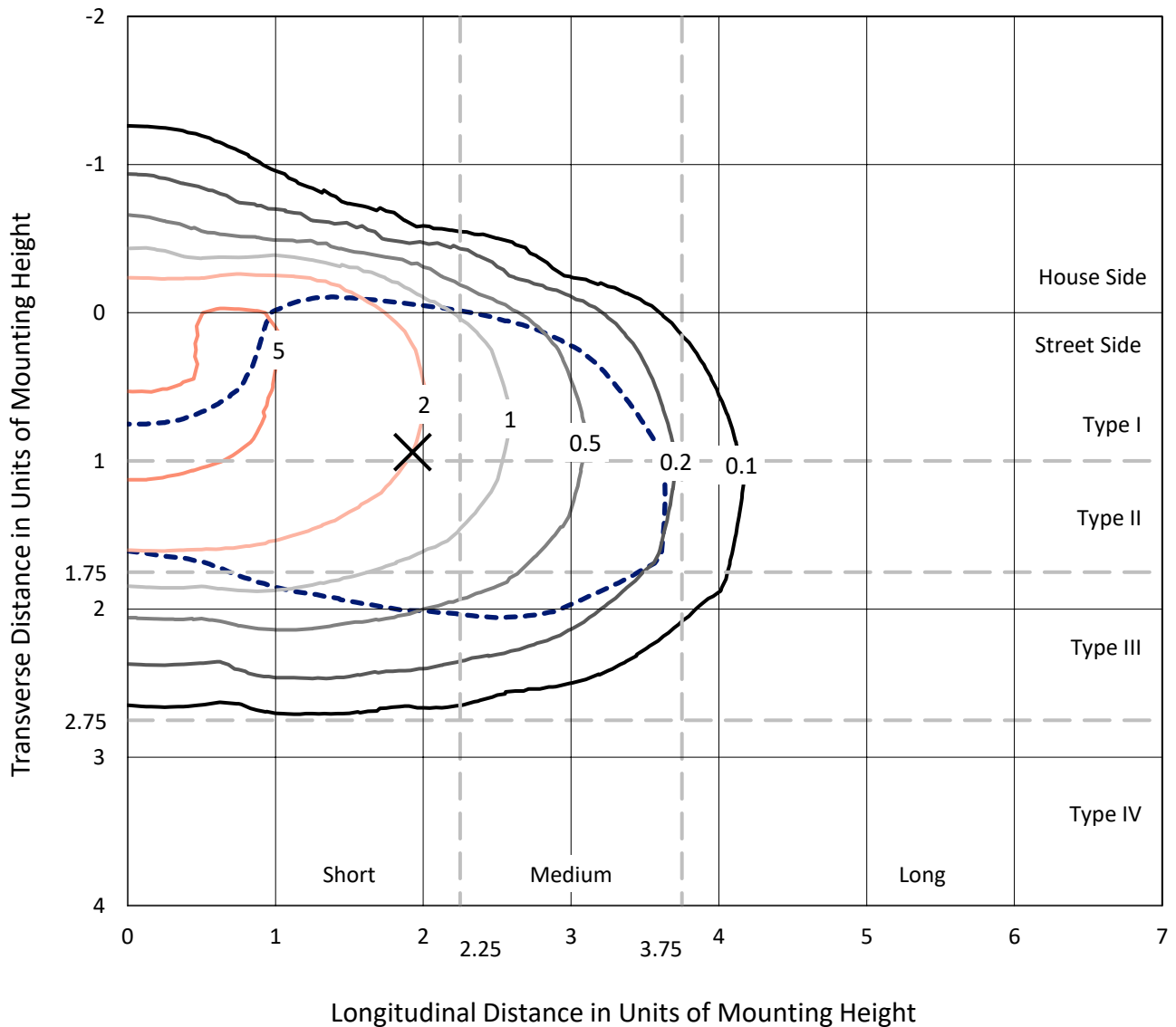
Lumens per Lamp: N/A  
Luminaire Lumens: 23201 lumens  
Efficiency: N/A  
Efficacy: 93.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

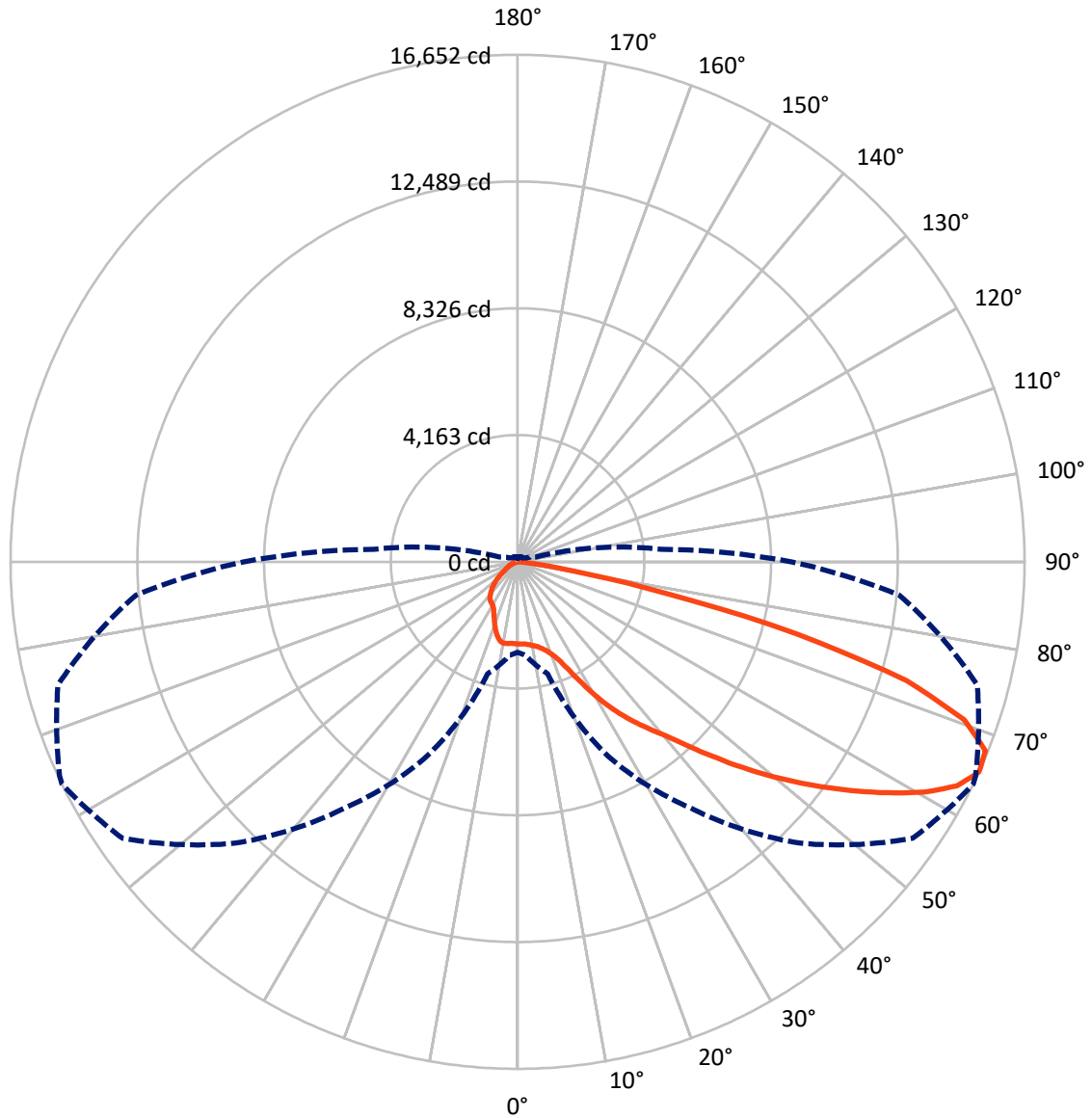
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3102.7	0.0	3102.7
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	20098.3	0.0	20098.3
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	23201.0	0.0	23201.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.0	1.1
10°-20°	675.3	2.9
20°-30°	1279.6	5.5
30°-40°	2589.2	11.2
40°-50°	4410.8	19.0
50°-60°	5998.3	25.9
60°-70°	5632.8	24.3
70°-80°	2256.7	9.7
80°-90°	109.3	0.5
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°	23201.0	100.0
0°-180°	23201.0	100.0

**Coefficient of Utilization**



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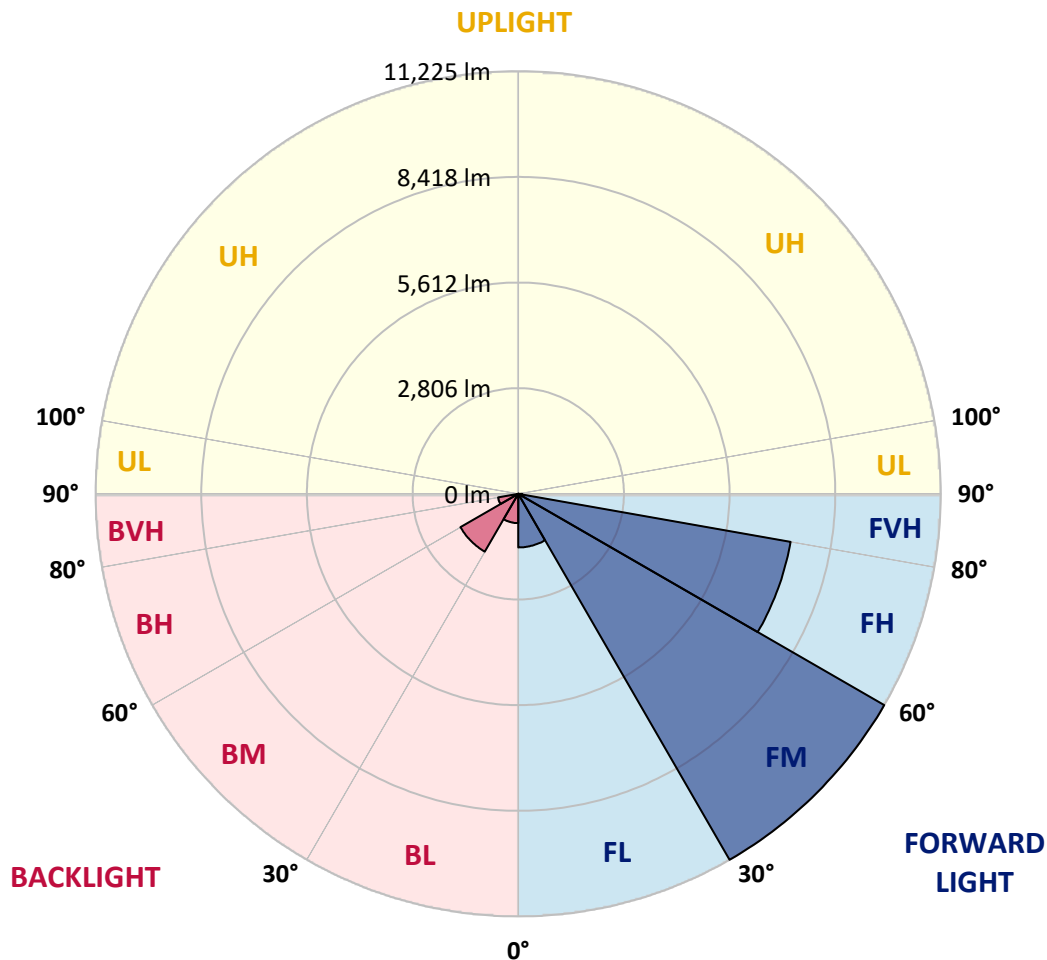
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1424.8	6.1			
FM (30°-60°)	11224.6	48.4			
FH (60°-80°)	7344.9	31.7			G3/7500
FVH (80°-90°)	104.0	0.4			G2/225
BL (0°-30°)	779.0	3.4	B2/1000		
BM (30°-60°)	1773.8	7.6	B2/2500		
BH (60°-80°)	544.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.3	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-G3**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5
2.5°	2689.2	2707.8	2703.2	2698.5	2697.0	2700.1	2701.6	2700.1	2700.1	2700.1
5°	2637.9	2653.4	2653.4	2664.3	2679.9	2698.5	2712.5	2715.6	2718.7	2723.4
7.5°	2539.9	2552.3	2561.6	2597.4	2636.3	2686.1	2728.1	2749.8	2753.0	2770.1
10°	2473.0	2488.5	2504.1	2541.4	2597.4	2672.1	2743.6	2796.5	2804.3	2844.7
12.5°	2469.9	2485.4	2505.7	2546.1	2611.4	2690.7	2777.8	2854.1	2868.0	2927.2
15°	2502.5	2521.2	2539.9	2589.6	2659.6	2756.1	2849.4	2944.3	2958.3	3042.2
17.5°	2569.4	2594.3	2608.3	2658.1	2732.7	2840.1	2962.9	3071.8	3084.2	3182.2
20°	2701.6	2731.2	2735.8	2776.3	2849.4	2964.5	3110.7	3246.0	3261.6	3373.5
22.5°	2975.4	3017.4	2980.0	3000.3	3065.6	3180.7	3339.3	3510.4	3532.2	3659.7
25°	3457.5	3516.6	3420.2	3386.0	3414.0	3533.7	3732.8	3949.0	3973.9	4076.5
27.5°	4404.7	4328.5	4182.3	4039.2	3955.2	4023.7	4247.6	4515.2	4546.3	4645.8
30°	5445.3	5378.4	5180.8	4863.6	4664.5	4653.6	4860.4	5159.1	5194.8	5289.7
32.5°	6487.3	6423.6	6208.9	5818.5	5473.2	5302.2	5445.3	5776.5	5795.2	5855.9
35°	7512.3	7447.0	7232.3	6832.6	6408.0	6019.2	5991.2	6364.5	6370.7	6434.4
37.5°	8543.5	8489.1	8260.4	7868.5	7450.1	6913.5	6653.8	6921.3	6929.0	6991.3
40°	9279.2	9302.5	9145.4	8842.1	8482.8	7896.5	7397.2	7513.9	7467.2	7571.4
42.5°	9910.6	9957.3	9820.4	9668.0	9459.6	8943.2	8318.0	8297.7	8223.1	8279.1
45°	10456.6	10495.4	10372.6	10336.8	10332.1	9969.7	9324.3	9203.0	9098.7	9087.9
47.5°	10657.2	10731.9	10784.7	10904.5	11137.8	10985.4	10364.8	10176.6	10059.9	9974.4
50°	10733.4	10812.7	10993.2	11341.5	11893.7	11959.0	11400.7	11189.1	11046.0	10890.5
52.5°	10630.8	10772.3	11014.9	11601.3	12402.3	12739.8	12394.5	12209.4	12046.1	11792.6
55°	10025.7	10167.3	10663.4	11598.2	12655.8	13287.3	13333.9	13251.5	13068.0	12668.3
57.5°	8750.4	8960.3	9745.8	11203.1	12651.1	13758.5	14254.7	14313.8	14108.5	13536.1
60°	6983.5	7268.1	8226.2	10327.5	12260.8	14013.6	15061.9	15357.4	15139.7	14391.6
62.5°	4872.9	5202.6	6109.4	8955.7	11368.0	13830.1	15651.4	16197.3	16032.5	15156.8
65°	2972.3	3078.0	3809.0	7047.3	9850.0	13061.8	15833.4	16651.5	16597.0	15625.0
67.5°	1979.9	2068.6	2278.6	4832.4	7646.1	11526.6	15397.9	16572.2	16587.7	15548.7
70°	1192.9	1269.2	1406.0	2810.5	4955.3	9123.6	14049.4	15561.2	15651.4	14530.0
72.5°	491.5	542.8	667.2	1273.8	2566.3	5790.5	11187.6	13360.4	13570.4	12217.2
75°	278.4	304.8	391.9	639.2	1113.6	2698.5	6776.6	9484.5	9794.0	8420.6
77.5°	185.1	197.5	253.5	413.7	626.8	920.8	2896.0	4941.3	5532.3	4599.1
80°	124.4	135.3	174.2	276.9	407.5	395.1	922.3	1830.6	2252.1	1580.2
82.5°	84.0	85.5	124.4	182.0	258.2	191.3	272.2	569.3	715.5	457.3
85°	48.2	46.7	91.8	105.8	115.1	79.3	82.4	171.1	224.0	192.9
87.5°	6.2	9.3	35.8	28.0	15.6	17.1	17.1	29.6	43.5	46.7
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°
2698.5	0°	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5	2698.5
2701.6	2.5°	2701.6	2700.1	2695.4	2690.7	2679.9	2673.6	2676.7	2673.6	2672.1	2673.6
2721.8	5°	2721.8	2717.2	2704.7	2689.2	2667.4	2641.0	2623.9	2599.0	2575.6	2561.6
2776.3	7.5°	2776.3	2771.6	2754.5	2711.0	2641.0	2530.5	2429.4	2340.8	2273.9	2235.0
2863.4	10°	2863.4	2855.6	2829.2	2732.7	2549.2	2308.1	2107.5	1941.1	1832.2	1780.9
2966.0	12.5°	2966.0	2956.7	2910.0	2712.5	2375.0	1998.6	1721.8	1536.7	1435.6	1390.5
3084.2	15°	3087.4	3074.9	2983.1	2616.1	2121.5	1656.4	1402.9	1264.5	1199.2	1158.7
3235.1	17.5°	3238.2	3216.4	3037.6	2471.4	1846.2	1395.1	1206.9	1102.7	1045.2	1006.3
3432.6	20°	3434.2	3398.4	3081.1	2298.8	1592.7	1230.3	1074.7	987.6	944.1	909.9
3712.6	22.5°	3707.9	3656.6	3134.0	2112.2	1413.8	1116.7	976.8	913.0	877.2	838.3
4103.0	25°	4047.0	3986.3	3199.3	1939.5	1290.9	1018.7	905.2	852.3	810.3	765.2
4614.7	27.5°	4521.4	4412.5	3277.1	1798.0	1185.2	934.8	839.9	780.8	732.6	695.2
5194.8	30°	5050.2	4871.3	3345.5	1712.4	1088.7	857.0	754.3	695.2	650.1	623.7
5715.9	32.5°	5551.0	5308.4	3390.6	1675.1	1001.6	768.3	661.0	597.3	563.0	555.3
6226.0	35°	6023.8	5703.4	3386.0	1639.3	923.9	679.7	569.3	503.9	477.5	482.2
6775.1	37.5°	6568.2	6124.9	3353.3	1583.3	860.1	598.8	489.9	432.4	409.1	410.6
7442.3	40°	7201.2	6611.8	3333.1	1477.6	790.1	524.2	424.6	377.9	360.8	354.6
8145.3	42.5°	7876.2	7083.0	3336.2	1357.8	703.0	457.3	379.5	340.6	325.1	320.4
8927.7	45°	8554.4	7532.5	3340.9	1233.4	611.2	405.9	346.8	314.2	304.8	298.6
9720.9	47.5°	9192.1	7915.1	3253.8	1099.6	521.0	367.1	320.4	298.6	290.8	283.1
10517.2	50°	9786.2	8170.2	3043.8	944.1	449.5	336.0	300.2	284.6	276.9	269.1
11238.9	52.5°	10248.1	8210.6	2697.0	783.9	399.7	312.6	287.7	273.7	264.4	256.6
11822.1	55°	10453.4	7957.1	2203.9	634.6	360.8	292.4	275.3	261.3	250.4	242.6
12281.0	57.5°	10400.6	7423.6	1718.7	510.2	323.5	272.2	259.7	250.4	238.0	225.5
12652.7	60°	10140.8	6709.7	1295.6	424.6	289.3	250.4	242.6	234.9	217.7	199.1
12795.8	62.5°	9691.3	5812.3	923.9	351.5	252.0	225.5	222.4	216.2	191.3	157.1
12584.3	65°	9003.9	4722.0	622.1	292.4	216.2	197.5	199.1	188.2	155.5	116.7
11809.7	67.5°	7999.1	3452.9	398.2	239.5	180.4	164.9	166.4	160.2	132.2	99.5
10341.5	70°	6719.1	2286.4	259.7	182.0	144.6	127.5	136.9	138.4	112.0	80.9
7936.9	72.5°	4925.8	1350.0	182.0	135.3	105.8	88.7	112.0	115.1	90.2	60.7
4774.9	75°	2807.4	640.8	136.9	98.0	65.3	62.2	87.1	87.1	62.2	40.4
2067.0	77.5°	1178.9	267.5	96.4	63.8	37.3	35.8	59.1	54.4	31.1	18.7
503.9	80°	340.6	119.8	51.3	31.1	15.6	14.0	23.3	17.1	7.8	3.1
191.3	82.5°	133.8	52.9	20.2	12.4	6.2	6.2	3.1	0.0	0.0	0.0
108.9	85°	79.3	21.8	9.3	4.7	1.6	0.0	0.0	0.0	0.0	0.0
23.3	87.5°	20.2	4.7	3.1	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°
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2698.5
2679.9
2564.8
2236.6
1776.2
1385.8
1160.3
1003.2
903.7
832.1
760.6
687.5
619.0
559.9
482.2
416.8
353.1
318.8
298.6
283.1
269.1
255.1
241.1
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196.0
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