

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: P848787

Luminaire Tested: **GLAN-SB5C-735-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848787  
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-735-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

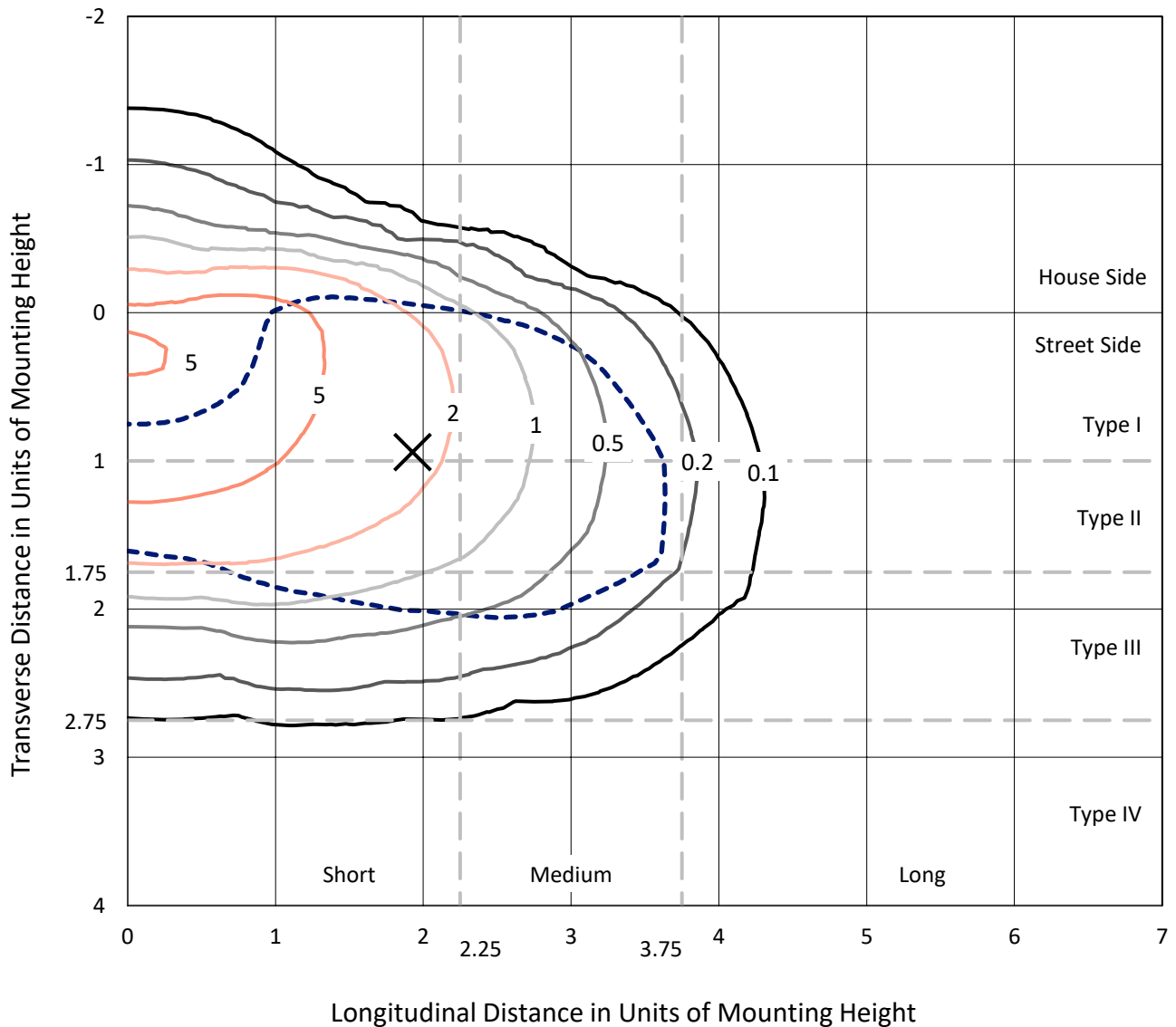
Lumens per Lamp: N/A  
Luminaire Lumens: 29115 lumens  
Efficiency: N/A  
Efficacy: 116.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

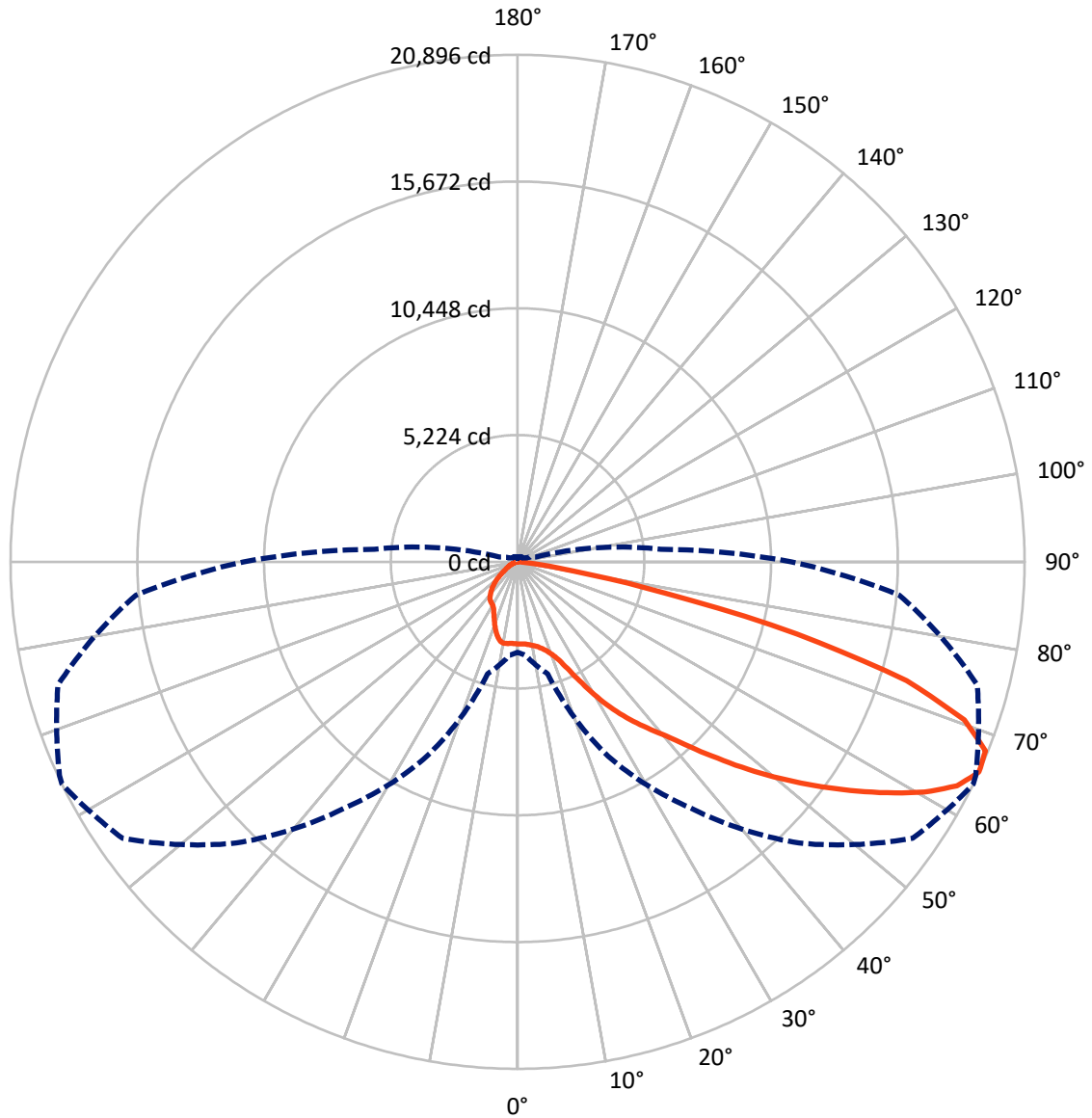
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 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	3893.6	0.0	3893.6
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	25221.4	0.0	25221.4
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	29115.0	0.0	29115.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	312.4	1.1
10°-20°	847.4	2.9
20°-30°	1605.7	5.5
30°-40°	3249.3	11.2
40°-50°	5535.1	19.0
50°-60°	7527.3	25.9
60°-70°	7068.6	24.3
70°-80°	2832.0	9.7
80°-90°	137.2	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°	29115.0	100.0
0°-180°	29115.0	100.0

**Coefficient of Utilization**



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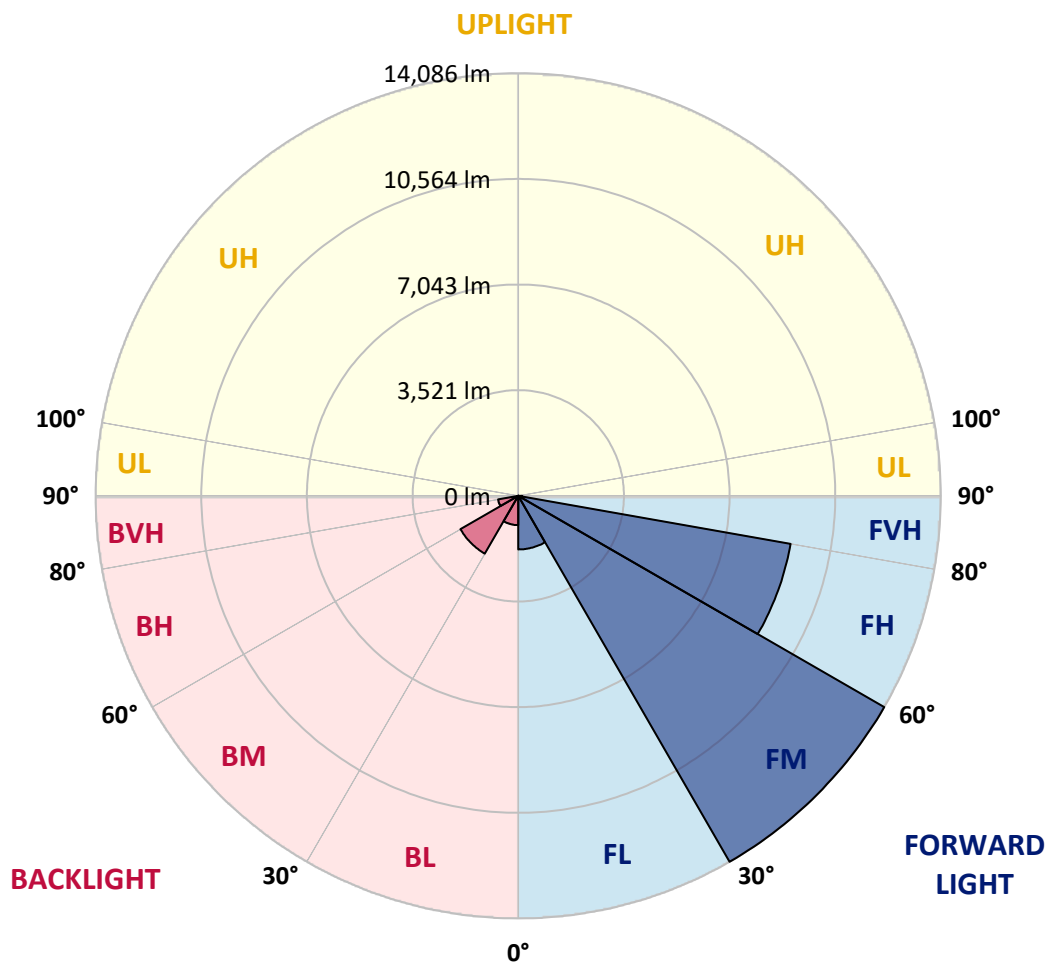
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1788.0	6.1			
FM (30°-60°)	14085.8	48.4			
FH (60°-80°)	9217.1	31.7			G4/12000
FVH (80°-90°)	130.5	0.4			G2/225
BL (0°-30°)	977.6	3.4	B2/1000		
BM (30°-60°)	2225.9	7.6	B2/2500		
BH (60°-80°)	683.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.7	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4
2.5°	3374.7	3398.1	3392.2	3386.4	3384.4	3388.3	3390.3	3388.3	3388.3	3388.3
5°	3310.3	3329.8	3329.8	3343.4	3363.0	3386.4	3403.9	3407.8	3411.8	3417.6
7.5°	3187.3	3202.9	3214.6	3259.5	3308.3	3370.8	3423.5	3450.8	3454.7	3476.2
10°	3103.4	3122.9	3142.4	3189.2	3259.5	3353.2	3443.0	3509.3	3519.1	3569.8
12.5°	3099.5	3119.0	3144.4	3195.1	3277.1	3376.6	3485.9	3581.6	3599.1	3673.3
15°	3140.4	3163.9	3187.3	3249.8	3337.6	3458.6	3575.7	3694.8	3712.3	3817.7
17.5°	3224.4	3255.6	3273.2	3335.6	3429.3	3564.0	3718.2	3854.8	3870.4	3993.4
20°	3390.3	3427.4	3433.2	3484.0	3575.7	3720.1	3903.6	4073.4	4092.9	4233.5
22.5°	3733.8	3786.5	3739.7	3765.0	3847.0	3991.4	4190.5	4405.2	4432.5	4592.6
25°	4338.9	4413.0	4292.0	4249.1	4284.2	4434.5	4684.3	4955.6	4986.9	5115.7
27.5°	5527.5	5431.9	5248.4	5068.8	4963.4	5049.3	5330.4	5666.1	5705.1	5830.0
30°	6833.3	6749.3	6501.5	6103.3	5853.5	5839.8	6099.4	6474.1	6519.0	6638.1
32.5°	8141.0	8060.9	7791.6	7301.7	6868.4	6653.7	6833.3	7249.0	7272.4	7348.5
35°	9427.2	9345.2	9075.9	8574.3	8041.4	7553.5	7518.3	7986.8	7994.6	8074.6
37.5°	10721.2	10652.9	10366.0	9874.2	9349.1	8675.8	8349.8	8685.5	8695.3	8773.4
40°	11644.5	11673.7	11476.6	11096.0	10645.1	9909.3	9282.8	9429.2	9370.6	9501.4
42.5°	12436.9	12495.4	12323.7	12132.4	11870.9	11222.9	10438.2	10412.9	10319.2	10389.4
45°	13122.0	13170.8	13016.6	12971.7	12965.8	12511.1	11701.1	11548.8	11418.0	11404.4
47.5°	13373.7	13467.4	13533.8	13684.1	13976.9	13785.6	13006.8	12770.6	12624.3	12516.9
50°	13469.4	13568.9	13795.3	14232.5	14925.4	15007.4	14306.7	14041.3	13861.7	13666.5
52.5°	13340.6	13518.2	13822.7	14558.5	15563.7	15987.2	15553.9	15321.6	15116.7	14798.6
55°	12581.3	12758.9	13381.6	14554.6	15881.8	16674.2	16732.8	16629.4	16399.0	15897.4
57.5°	10980.8	11244.3	12230.0	14058.8	15876.0	17265.6	17888.3	17962.4	17704.8	16986.5
60°	8763.6	9120.8	10323.1	12960.0	15386.1	17585.7	18901.3	19272.1	18998.8	18060.0
62.5°	6115.0	6528.8	7666.7	11238.5	14265.7	17355.4	19641.0	20326.1	20119.2	19020.3
65°	3729.9	3862.6	4780.0	8843.6	12360.8	16391.2	19869.3	20896.0	20827.7	19607.8
67.5°	2484.6	2595.9	2859.4	6064.2	9595.1	14464.8	19322.8	20796.5	20816.0	19512.2
70°	1497.0	1592.7	1764.4	3526.9	6218.4	11449.3	17630.6	19527.8	19641.0	18233.7
72.5°	616.8	681.2	837.3	1598.5	3220.5	7266.6	14039.3	16766.0	17029.5	15331.4
75°	349.4	382.6	491.9	802.2	1397.5	3386.4	8504.0	11902.1	12290.5	10567.1
77.5°	232.3	247.9	318.1	519.2	786.6	1155.5	3634.3	6200.9	6942.6	5771.5
80°	156.1	169.8	218.6	347.4	511.4	495.8	1157.4	2297.3	2826.2	1983.0
82.5°	105.4	107.3	156.1	228.4	324.0	240.1	341.6	714.4	897.8	573.8
85°	60.5	58.6	115.2	132.7	144.4	99.5	103.4	214.7	281.1	242.0
87.5°	7.8	11.7	44.9	35.1	19.5	21.5	21.5	37.1	54.7	58.6
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°
3386.4	0°	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4	3386.4
3390.3	2.5°	3390.3	3388.3	3382.5	3376.6	3363.0	3355.1	3359.1	3355.1	3353.2	3355.1
3415.7	5°	3415.7	3409.8	3394.2	3374.7	3347.3	3314.2	3292.7	3261.5	3232.2	3214.6
3484.0	7.5°	3484.0	3478.1	3456.6	3402.0	3314.2	3175.6	3048.7	2937.5	2853.5	2804.7
3593.3	10°	3593.3	3583.5	3550.3	3429.3	3199.0	2896.5	2644.7	2435.8	2299.2	2234.8
3722.1	12.5°	3722.1	3710.4	3651.8	3403.9	2980.4	2508.1	2160.6	1928.4	1801.5	1744.9
3870.4	15°	3874.3	3858.7	3743.6	3282.9	2662.3	2078.7	1760.5	1586.8	1504.8	1454.1
4059.7	17.5°	4063.7	4036.3	3811.9	3101.4	2316.8	1750.8	1514.6	1383.8	1311.6	1262.8
4307.6	20°	4309.6	4264.7	3866.5	2884.8	1998.6	1543.9	1348.7	1239.4	1184.7	1141.8
4659.0	22.5°	4653.1	4588.7	3932.9	2650.5	1774.2	1401.4	1225.7	1145.7	1100.8	1052.0
5148.9	25°	5078.6	5002.5	4014.9	2433.9	1620.0	1278.4	1135.9	1069.6	1016.9	960.3
5791.0	27.5°	5673.9	5537.3	4112.4	2256.3	1487.3	1173.0	1054.0	979.8	919.3	872.5
6519.0	30°	6337.5	6113.0	4198.3	2148.9	1366.3	1075.4	946.6	872.5	815.9	782.7
7172.9	32.5°	6966.0	6661.5	4254.9	2102.1	1257.0	964.2	829.5	749.5	706.6	696.8
7813.1	35°	7559.3	7157.3	4249.1	2057.2	1159.4	852.9	714.4	632.4	599.2	605.1
8502.1	37.5°	8242.5	7686.2	4208.1	1986.9	1079.3	751.4	614.8	542.6	513.3	515.3
9339.4	40°	9036.8	8297.1	4182.7	1854.2	991.5	657.8	532.8	474.3	452.8	445.0
10221.6	42.5°	9883.9	8888.5	4186.6	1703.9	882.2	573.8	476.2	427.4	407.9	402.1
11203.3	45°	10734.9	9452.6	4192.5	1547.8	767.1	509.4	435.3	394.3	382.6	374.7
12198.8	47.5°	11535.2	9932.7	4083.2	1379.9	653.9	460.6	402.1	374.7	365.0	355.2
13198.1	50°	12280.7	10252.8	3819.7	1184.7	564.1	421.6	376.7	357.2	347.4	337.7
14103.7	52.5°	12860.4	10303.6	3384.4	983.7	501.6	392.3	361.1	343.5	331.8	322.0
14835.6	55°	13118.1	9985.4	2765.7	796.3	452.8	366.9	345.5	327.9	314.2	304.5
15411.4	57.5°	13051.7	9316.0	2156.7	640.2	406.0	341.6	326.0	314.2	298.6	283.0
15877.9	60°	12725.8	8420.1	1625.9	532.8	363.0	314.2	304.5	294.7	273.3	249.8
16057.5	62.5°	12161.7	7293.9	1159.4	441.1	316.2	283.0	279.1	271.3	240.1	197.1
15792.0	65°	11299.0	5925.7	780.7	366.9	271.3	247.9	249.8	236.2	195.2	146.4
14820.0	67.5°	10038.1	4333.0	499.7	300.6	226.4	206.9	208.8	201.0	165.9	124.9
12977.5	70°	8431.8	2869.1	326.0	228.4	181.5	160.0	171.8	173.7	140.5	101.5
9960.0	72.5°	6181.4	1694.2	228.4	169.8	132.7	111.3	140.5	144.4	113.2	76.1
5992.0	75°	3523.0	804.1	171.8	123.0	82.0	78.1	109.3	109.3	78.1	50.7
2593.9	77.5°	1479.5	335.7	121.0	80.0	46.8	44.9	74.2	68.3	39.0	23.4
632.4	80°	427.4	150.3	64.4	39.0	19.5	17.6	29.3	21.5	9.8	3.9
240.1	82.5°	167.9	66.4	25.4	15.6	7.8	7.8	3.9	0.0	0.0	0.0
136.6	85°	99.5	27.3	11.7	5.9	2.0	0.0	0.0	0.0	0.0	0.0
29.3	87.5°	25.4	5.9	3.9	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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3386.4
3363.0
3218.5
2806.7
2229.0
1739.1
1456.0
1258.9
1134.0
1044.2
954.4
862.7
776.8
702.6
605.1
523.1
443.1
400.1
374.7
355.2
337.7
320.1
302.5
281.1
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