

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: P848177

Luminaire Tested: **GLAN-SB4C-840-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848177  
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-SB4C-840-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 4000K, 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: 20934 lumens  
Efficiency: N/A  
Efficacy: 104.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G3

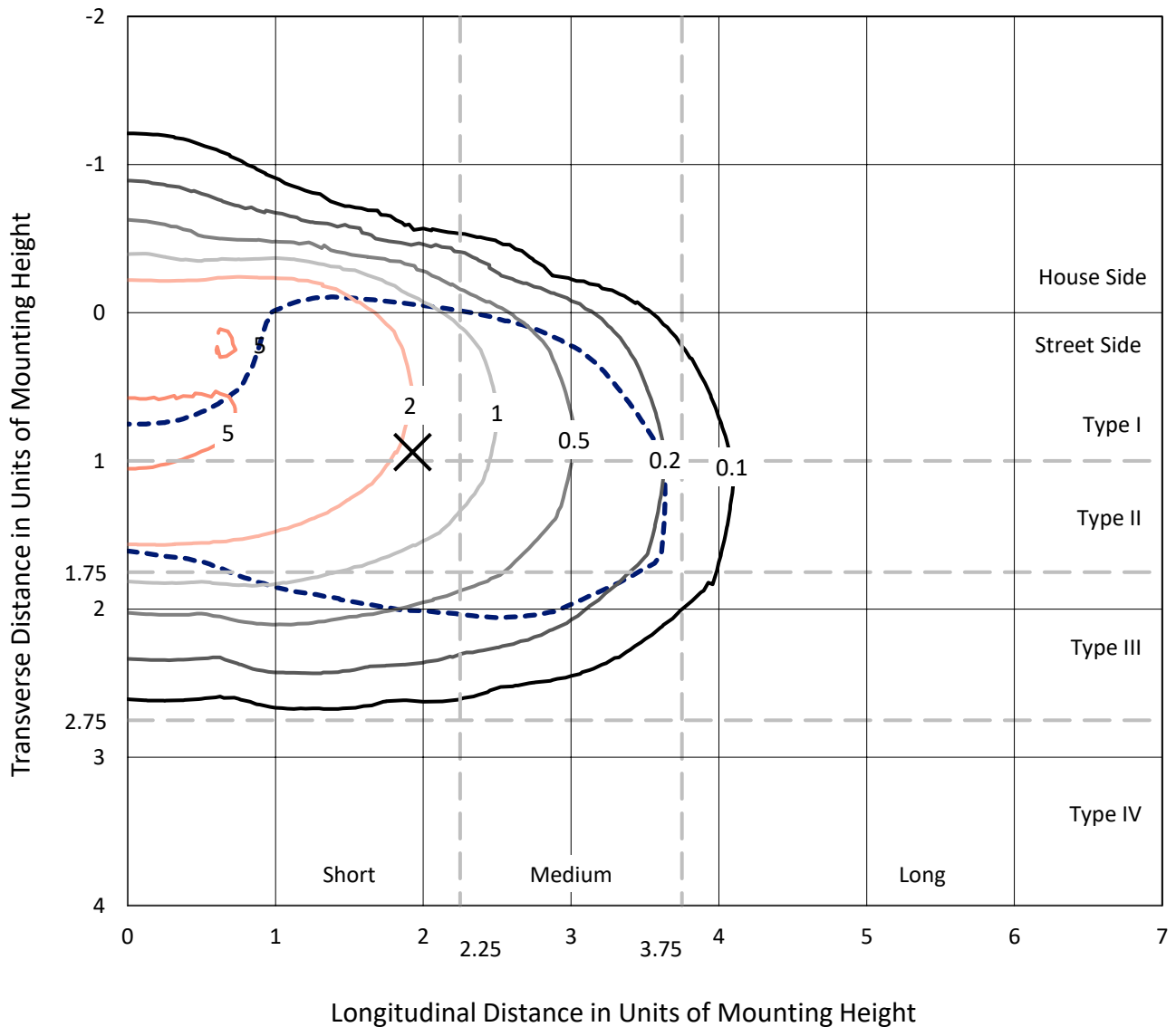
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

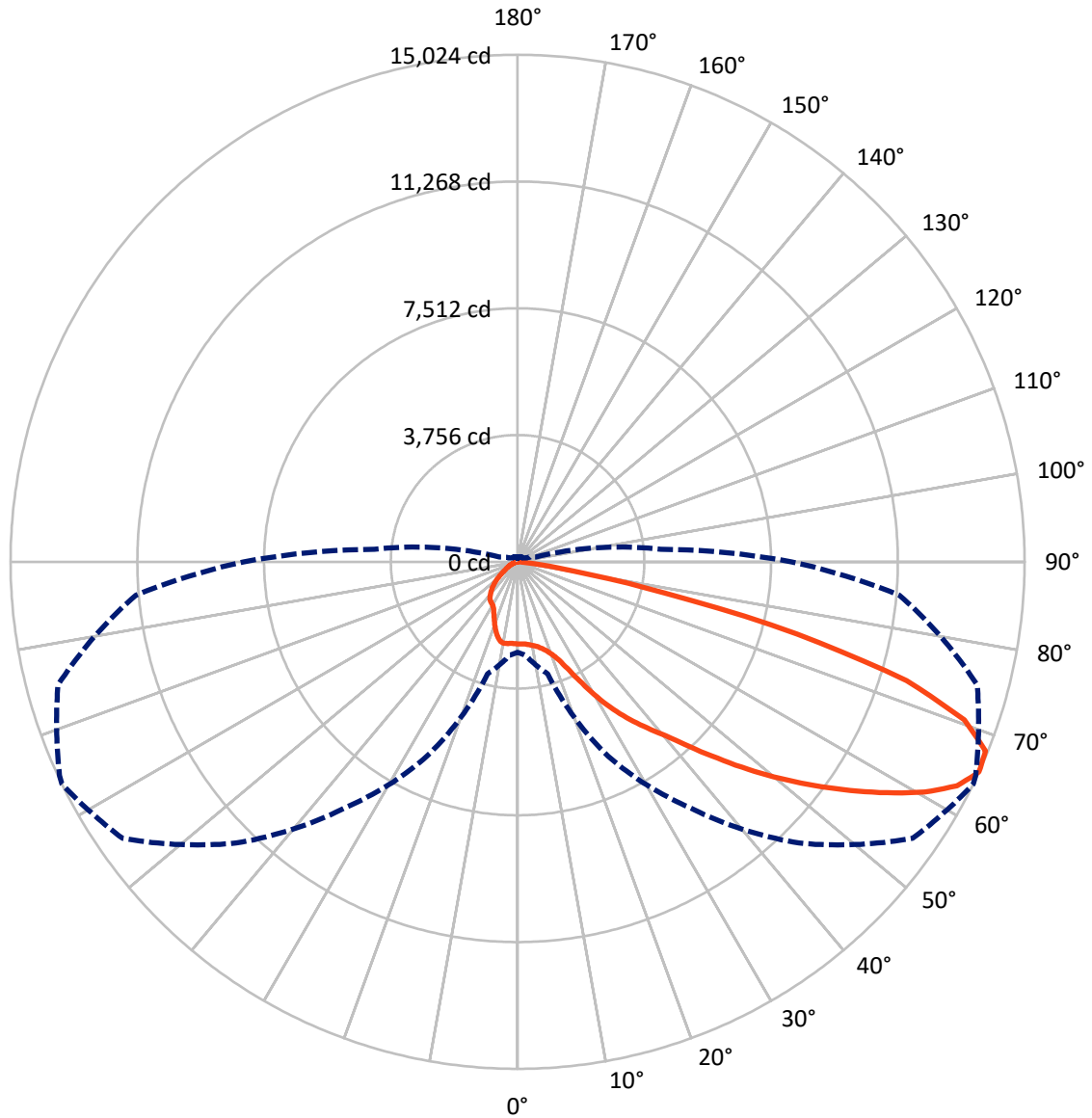
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	2799.5	0.0	2799.5
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	18134.5	0.0	18134.5
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	20934.0	0.0	20934.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.6	1.1
10°-20°	609.3	2.9
20°-30°	1154.5	5.5
30°-40°	2336.2	11.2
40°-50°	3979.8	19.0
50°-60°	5412.2	25.9
60°-70°	5082.4	24.3
70°-80°	2036.2	9.7
80°-90°	98.6	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°	20934.0	100.0
0°-180°	20934.0	100.0

**Coefficient of Utilization**



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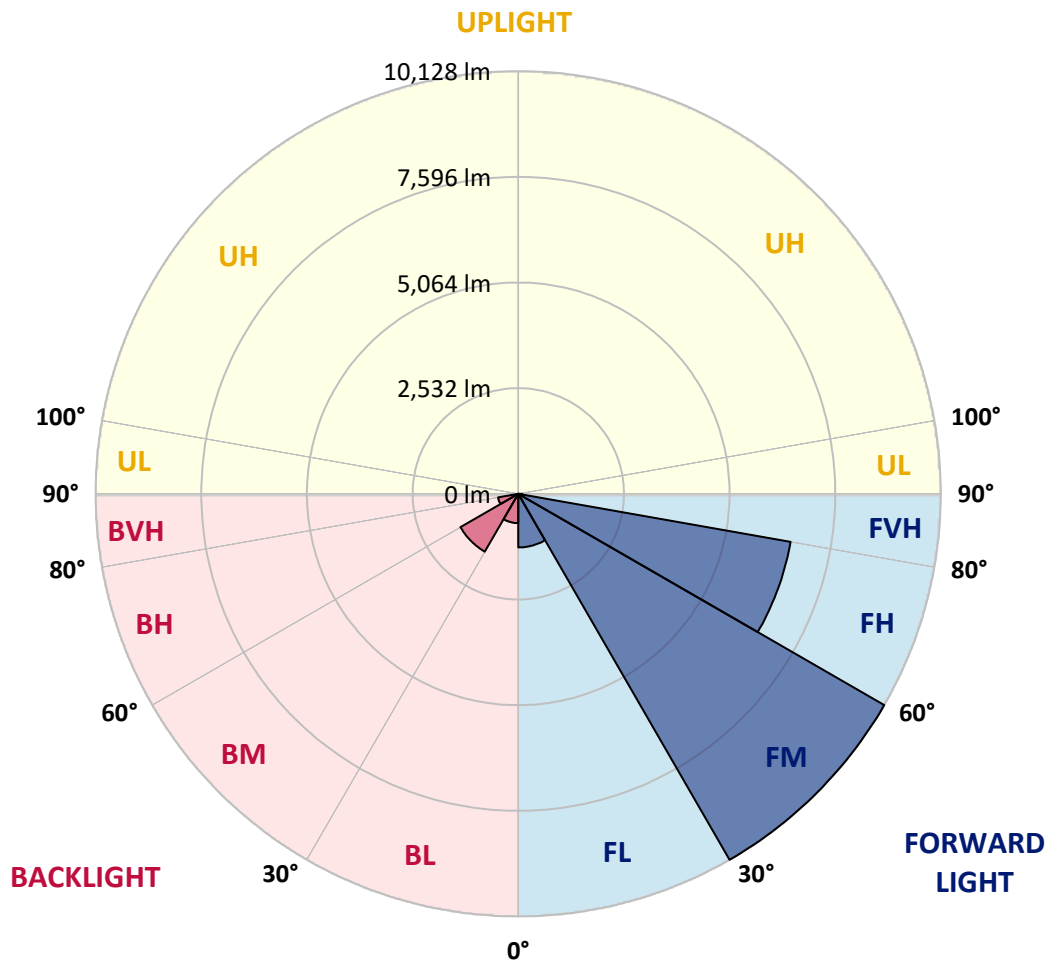
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1285.6	6.1			
FM (30°-60°)	10127.8	48.4			
FH (60°-80°)	6627.2	31.7			G3/7500
FVH (80°-90°)	93.8	0.4			G1/100
BL (0°-30°)	702.9	3.4	B2/1000		
BM (30°-60°)	1600.5	7.6	B2/2500		
BH (60°-80°)	491.4	2.3	B1/500		G1/500
BVH (80°-90°)	4.8	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°	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8
2.5°	2426.4	2443.3	2439.1	2434.8	2433.4	2436.2	2437.6	2436.2	2436.2	2436.2
5°	2380.1	2394.1	2394.1	2404.0	2418.0	2434.8	2447.5	2450.3	2453.1	2457.3
7.5°	2291.7	2302.9	2311.3	2343.6	2378.7	2423.6	2461.5	2481.2	2484.0	2499.4
10°	2231.4	2245.4	2259.4	2293.1	2343.6	2411.0	2475.5	2523.3	2530.3	2566.8
12.5°	2228.5	2242.6	2260.8	2297.3	2356.3	2427.8	2506.4	2575.2	2587.8	2641.1
15°	2258.0	2274.9	2291.7	2336.6	2399.8	2486.8	2571.0	2656.6	2669.2	2745.0
17.5°	2318.4	2340.8	2353.4	2398.4	2465.7	2562.5	2673.4	2771.6	2782.9	2871.3
20°	2437.6	2464.3	2468.5	2505.0	2571.0	2674.8	2806.7	2928.8	2942.9	3043.9
22.5°	2684.6	2722.5	2688.9	2707.1	2766.0	2869.9	3013.0	3167.4	3187.0	3302.1
25°	3119.7	3173.0	3086.0	3055.1	3080.4	3188.4	3368.1	3563.1	3585.6	3678.2
27.5°	3974.3	3905.6	3773.7	3644.5	3568.8	3630.5	3832.6	4074.0	4102.0	4191.9
30°	4913.2	4852.8	4674.6	4388.3	4208.7	4198.9	4385.5	4655.0	4687.2	4772.9
32.5°	5853.4	5795.9	5602.2	5250.0	4938.4	4784.1	4913.2	5212.1	5228.9	5283.7
35°	6778.3	6719.3	6525.7	6165.0	5781.9	5431.0	5405.8	5742.6	5748.2	5805.7
37.5°	7708.7	7659.6	7453.3	7099.6	6722.1	6238.0	6003.6	6245.0	6252.0	6308.1
40°	8372.5	8393.5	8251.8	7978.1	7654.0	7124.9	6674.4	6779.7	6737.6	6831.6
42.5°	8942.3	8984.4	8860.9	8723.3	8535.3	8069.4	7505.2	7487.0	7419.6	7470.1
45°	9434.8	9469.9	9359.1	9326.8	9322.6	8995.6	8413.2	8303.7	8209.7	8199.9
47.5°	9615.9	9683.2	9730.9	9839.0	10049.5	9912.0	9352.0	9182.2	9077.0	8999.8
50°	9684.6	9756.2	9919.0	10233.4	10731.5	10790.5	10286.7	10095.8	9966.7	9826.4
52.5°	9592.0	9719.7	9938.6	10467.7	11190.4	11495.0	11183.4	11016.4	10869.1	10640.3
55°	9046.1	9173.8	9621.5	10464.9	11419.2	11989.0	12031.1	11956.7	11791.1	11430.4
57.5°	7895.3	8084.8	8793.5	10108.5	11415.0	12414.2	12861.9	12915.2	12729.9	12213.5
60°	6301.1	6557.9	7422.4	9318.4	11062.7	12644.3	13590.2	13856.8	13660.4	12985.4
62.5°	4396.7	4694.3	5512.4	8080.6	10257.2	12478.7	14122.1	14614.7	14465.9	13675.8
65°	2681.8	2777.3	3436.8	6358.7	8887.5	11785.5	14286.3	15024.4	14975.3	14098.2
67.5°	1786.5	1866.5	2055.9	4360.3	6899.0	10400.4	13893.3	14952.9	14966.9	14029.5
70°	1076.4	1145.1	1268.6	2535.9	4471.1	8232.2	12676.6	14040.7	14122.1	13110.3
72.5°	443.5	489.8	602.0	1149.4	2315.6	5224.7	10094.4	12054.9	12244.4	11023.4
75°	251.2	275.1	353.6	576.8	1004.8	2434.8	6114.5	8557.7	8837.0	7597.8
77.5°	167.0	178.2	228.7	373.3	565.6	830.8	2613.1	4458.5	4991.8	4149.8
80°	112.3	122.1	157.2	249.8	367.7	356.5	832.2	1651.8	2032.1	1425.8
82.5°	75.8	77.2	112.3	164.2	233.0	172.6	245.6	513.6	645.5	412.6
85°	43.5	42.1	82.8	95.4	103.8	71.6	74.4	154.4	202.1	174.0
87.5°	5.6	8.4	32.3	25.3	14.0	15.4	15.4	26.7	39.3	42.1
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°
2434.8	0°	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8	2434.8
2437.6	2.5°	2437.6	2436.2	2432.0	2427.8	2418.0	2412.4	2415.2	2412.4	2411.0	2412.4
2455.9	5°	2455.9	2451.7	2440.5	2426.4	2406.8	2382.9	2367.5	2345.0	2324.0	2311.3
2505.0	7.5°	2505.0	2500.8	2485.4	2446.1	2382.9	2283.3	2192.1	2112.1	2051.7	2016.6
2583.6	10°	2583.6	2576.6	2552.7	2465.7	2300.1	2082.6	1901.6	1751.4	1653.2	1606.9
2676.2	12.5°	2676.2	2667.8	2625.7	2447.5	2142.9	1803.3	1553.5	1386.5	1295.3	1254.6
2782.9	15°	2785.7	2774.5	2691.7	2360.5	1914.2	1494.6	1265.8	1140.9	1082.0	1045.5
2919.0	17.5°	2921.8	2902.2	2740.8	2230.0	1665.8	1258.8	1089.0	995.0	943.1	908.0
3097.2	20°	3098.6	3066.4	2780.1	2074.2	1437.0	1110.1	969.7	891.1	851.8	821.0
3349.8	22.5°	3345.6	3299.3	2827.8	1905.8	1275.7	1007.6	881.3	823.8	791.5	756.4
3702.1	25°	3651.6	3596.8	2886.7	1750.0	1164.8	919.2	816.8	769.0	731.2	690.5
4163.8	27.5°	4079.6	3981.4	2956.9	1622.3	1069.4	843.4	757.8	704.5	661.0	627.3
4687.2	30°	4556.7	4395.3	3018.6	1545.1	982.4	773.3	680.6	627.3	586.6	562.8
5157.4	32.5°	5008.6	4789.7	3059.3	1511.4	903.8	693.3	596.4	538.9	508.0	501.0
5617.7	35°	5435.2	5146.1	3055.1	1479.1	833.6	613.3	513.6	454.7	430.8	435.0
6113.1	37.5°	5926.4	5526.5	3025.7	1428.6	776.1	540.3	442.1	390.1	369.1	370.5
6715.1	40°	6497.6	5965.7	3007.4	1333.2	712.9	472.9	383.1	341.0	325.6	320.0
7349.4	42.5°	7106.6	6390.9	3010.2	1225.1	634.3	412.6	342.4	307.3	293.3	289.1
8055.3	45°	7718.5	6796.5	3014.4	1112.9	551.5	366.3	313.0	283.5	275.1	269.4
8771.0	47.5°	8293.9	7141.7	2935.8	992.2	470.1	331.2	289.1	269.4	262.4	255.4
9489.6	50°	8830.0	7371.9	2746.4	851.8	405.6	303.1	270.8	256.8	249.8	242.8
10140.7	52.5°	9246.8	7408.4	2433.4	707.3	360.7	282.1	259.6	247.0	238.6	231.6
10667.0	55°	9432.0	7179.6	1988.6	572.6	325.6	263.8	248.4	235.8	225.9	218.9
11081.0	57.5°	9384.3	6698.3	1550.7	460.3	291.9	245.6	234.4	225.9	214.7	203.5
11416.4	60°	9150.0	6054.1	1169.0	383.1	261.0	225.9	218.9	211.9	196.5	179.6
11545.5	62.5°	8744.4	5244.4	833.6	317.2	227.3	203.5	200.7	195.1	172.6	141.7
11354.6	65°	8124.1	4260.6	561.3	263.8	195.1	178.2	179.6	169.8	140.3	105.3
10655.8	67.5°	7217.5	3115.5	359.3	216.1	162.8	148.8	150.2	144.5	119.3	89.8
9331.0	70°	6062.5	2062.9	234.4	164.2	130.5	115.1	123.5	124.9	101.0	73.0
7161.4	72.5°	4444.5	1218.1	164.2	122.1	95.4	80.0	101.0	103.8	81.4	54.7
4308.3	75°	2533.1	578.2	123.5	88.4	58.9	56.1	78.6	78.6	56.1	36.5
1865.1	77.5°	1063.8	241.4	87.0	57.5	33.7	32.3	53.3	49.1	28.1	16.8
454.7	80°	307.3	108.1	46.3	28.1	14.0	12.6	21.1	15.4	7.0	2.8
172.6	82.5°	120.7	47.7	18.2	11.2	5.6	5.6	2.8	0.0	0.0	0.0
98.2	85°	71.6	19.6	8.4	4.2	1.4	0.0	0.0	0.0	0.0	0.0
21.1	87.5°	18.2	4.2	2.8	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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2434.8
2418.0
2314.2
2018.0
1602.6
1250.4
1046.9
905.2
815.4
750.8
686.2
620.3
558.5
505.2
435.0
376.1
318.6
287.7
269.4
255.4
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