

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: P848847

Luminaire Tested: **GLAN-SB5C-835-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848847  
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-835-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 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: 24566 lumens  
Efficiency: N/A  
Efficacy: 98.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

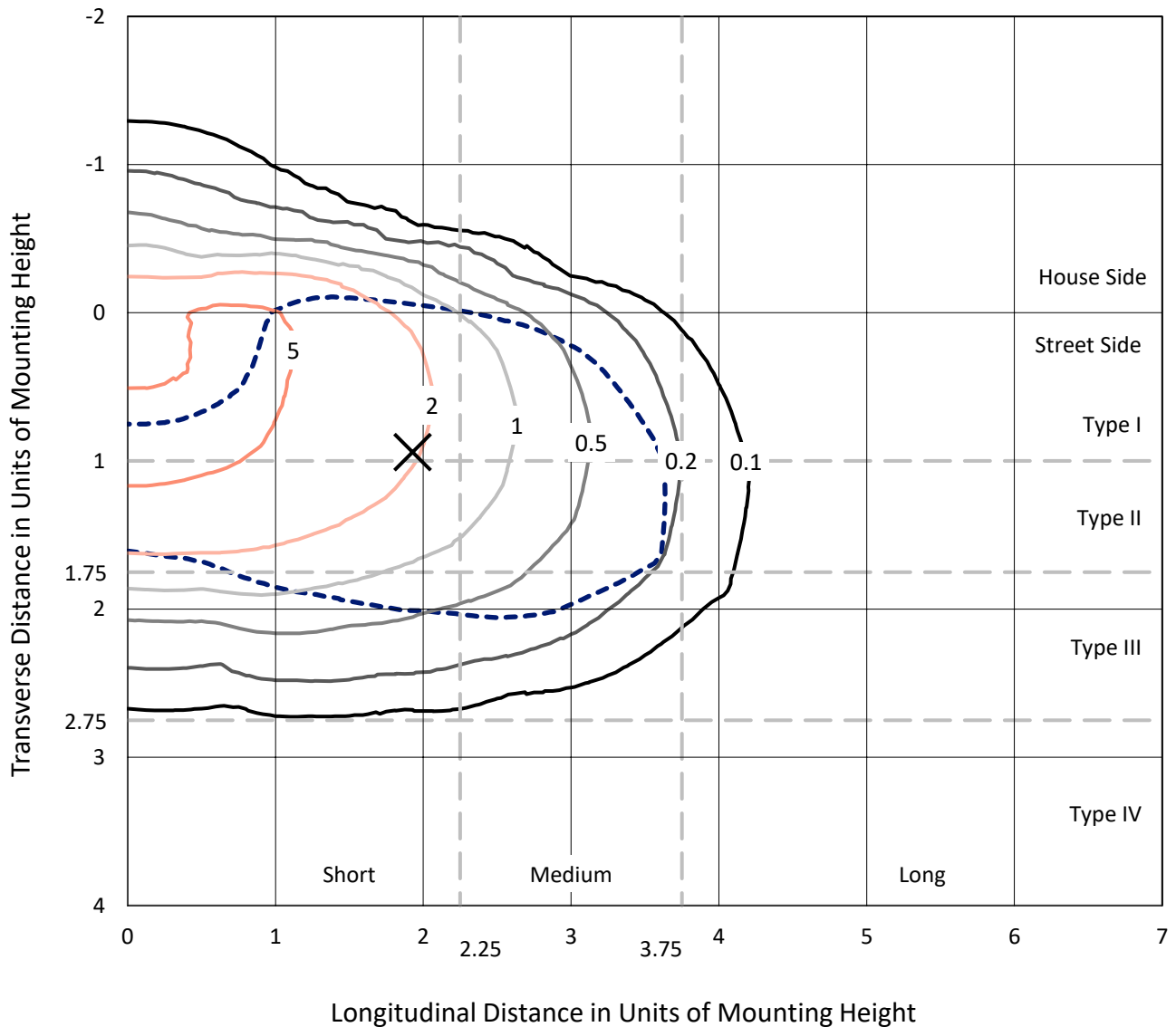
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

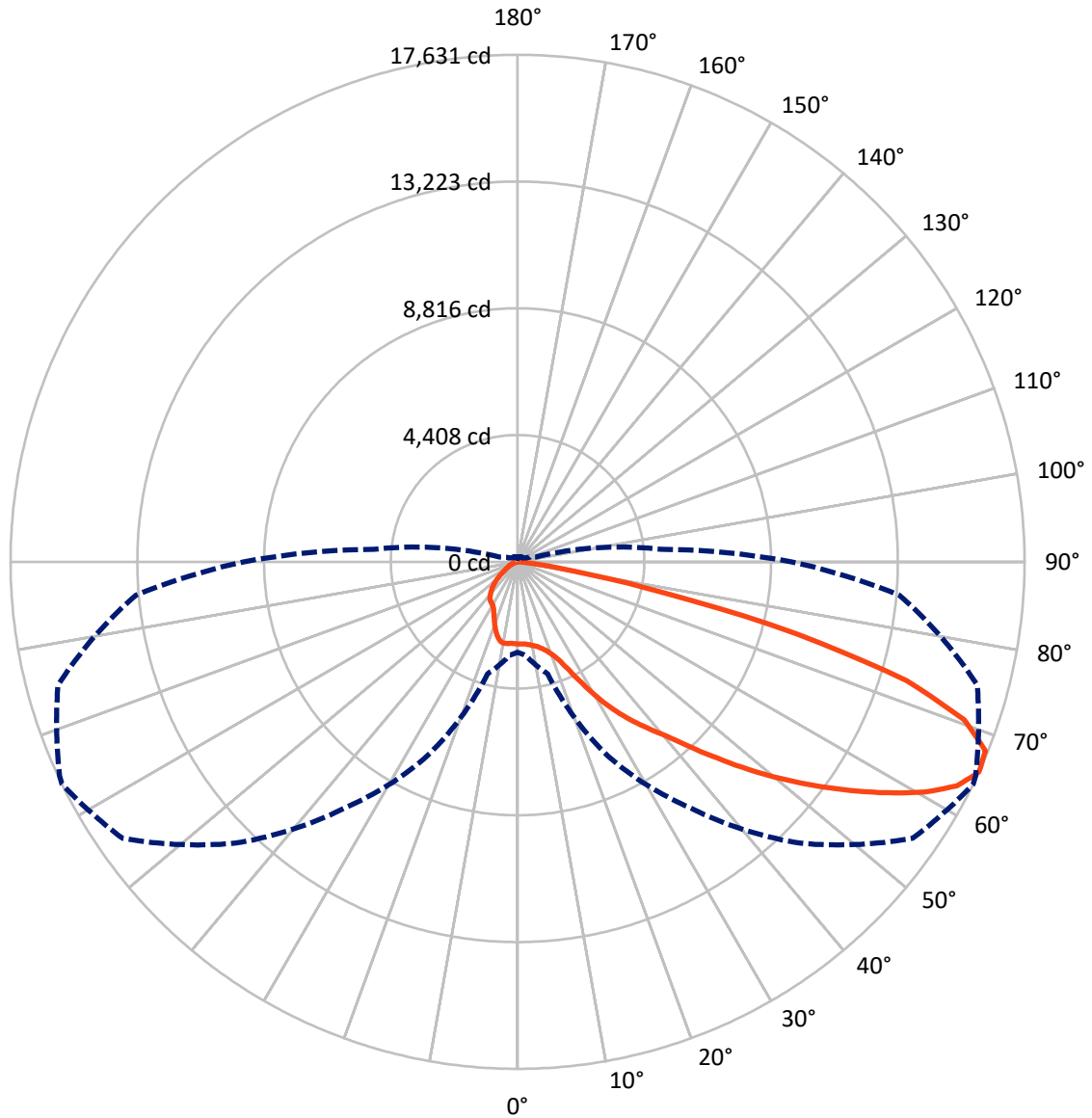
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	3285.2	0.0	3285.2
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	21280.8	0.0	21280.8
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	24566.0	0.0	24566.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.6	1.1
10°-20°	715.0	2.9
20°-30°	1354.8	5.5
30°-40°	2741.6	11.2
40°-50°	4670.3	19.0
50°-60°	6351.3	25.9
60°-70°	5964.1	24.3
70°-80°	2389.5	9.7
80°-90°	115.8	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°	24566.0	100.0
0°-180°	24566.0	100.0

**Coefficient of Utilization**



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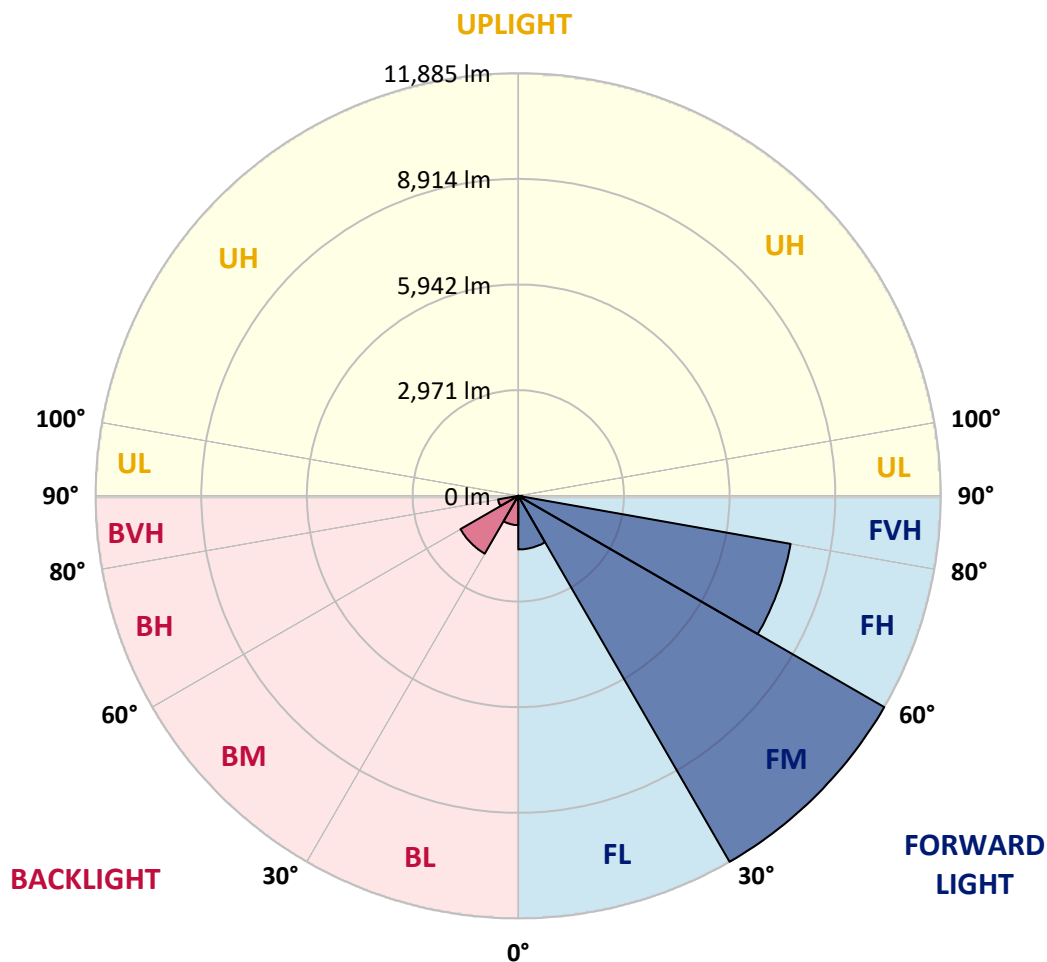
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1508.6	6.1			
FM (30°-60°)	11885.0	48.4			
FH (60°-80°)	7777.0	31.7			G4/12000
FVH (80°-90°)	110.1	0.4			G2/225
BL (0°-30°)	824.8	3.4	B2/1000		
BM (30°-60°)	1878.1	7.6	B2/2500		
BH (60°-80°)	576.6	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.7	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°	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3
2.5°	2847.4	2867.2	2862.2	2857.3	2855.6	2858.9	2860.6	2858.9	2858.9	2858.9
5°	2793.1	2809.5	2809.5	2821.1	2837.5	2857.3	2872.1	2875.4	2878.7	2883.6
7.5°	2689.3	2702.5	2712.4	2750.2	2791.4	2844.1	2888.6	2911.6	2914.9	2933.0
10°	2618.5	2635.0	2651.4	2690.9	2750.2	2829.3	2905.0	2961.0	2969.3	3012.1
12.5°	2615.2	2631.7	2653.1	2695.9	2765.1	2849.0	2941.3	3022.0	3036.8	3099.4
15°	2649.8	2669.5	2689.3	2742.0	2816.1	2918.2	3017.0	3117.5	3132.3	3221.2
17.5°	2720.6	2746.9	2761.8	2814.5	2893.5	3007.1	3137.2	3252.5	3265.7	3369.5
20°	2860.6	2891.9	2896.8	2939.6	3017.0	3138.9	3293.7	3437.0	3453.4	3572.0
22.5°	3150.4	3194.9	3155.4	3176.8	3245.9	3367.8	3535.8	3716.9	3740.0	3875.0
25°	3660.9	3723.5	3621.4	3585.2	3614.8	3741.6	3952.4	4181.3	4207.7	4316.4
27.5°	4663.9	4583.2	4428.4	4276.9	4187.9	4260.4	4497.5	4780.8	4813.7	4919.1
30°	5765.6	5694.8	5485.6	5149.7	4938.9	4927.4	5146.4	5462.6	5500.5	5600.9
32.5°	6869.0	6801.5	6574.2	6160.9	5795.3	5614.1	5765.6	6116.4	6136.2	6200.4
35°	7954.3	7885.1	7657.8	7234.6	6785.0	6373.3	6343.7	6738.9	6745.5	6813.0
37.5°	9046.1	8988.5	8746.4	8331.4	7888.4	7320.2	7045.2	7328.5	7336.7	7402.6
40°	9825.1	9849.8	9683.5	9362.3	8981.9	8361.0	7832.4	7955.9	7906.5	8016.9
42.5°	10493.7	10543.1	10398.2	10236.8	10016.1	9469.4	8807.3	8785.9	8706.9	8766.2
45°	11071.8	11112.9	10982.8	10945.0	10940.0	10556.3	9872.9	9744.4	9634.1	9622.5
47.5°	11284.2	11363.2	11419.2	11546.0	11793.1	11631.7	10974.6	10775.3	10651.8	10561.2
50°	11364.9	11448.9	11639.9	12008.8	12593.4	12662.6	12071.4	11847.4	11695.9	11531.2
52.5°	11256.2	11406.1	11663.0	12283.8	13132.0	13489.3	13123.7	12927.8	12754.8	12486.4
55°	10615.6	10765.4	11290.8	12280.5	13400.4	14069.0	14118.4	14031.1	13836.8	13413.6
57.5°	9265.2	9487.5	10319.1	11862.2	13395.5	14568.0	15093.4	15155.9	14938.6	14332.5
60°	7394.3	7695.7	8710.2	10935.1	12982.1	14838.1	15948.1	16261.0	16030.4	15238.3
62.5°	5159.6	5508.7	6468.8	9482.5	12036.8	14643.8	16572.2	17150.3	16975.7	16048.5
65°	3147.1	3259.1	4033.1	7461.9	10429.5	13830.2	16764.9	17631.2	17573.5	16544.2
67.5°	2096.4	2190.3	2412.6	5116.8	8095.9	12204.8	16303.8	17547.2	17563.6	16463.5
70°	1263.1	1343.8	1488.8	2975.9	5246.9	9660.4	14876.0	16476.7	16572.2	15384.9
72.5°	520.4	574.7	706.5	1348.8	2717.3	6131.2	11845.8	14146.4	14368.7	12936.0
75°	294.8	322.8	415.0	676.9	1179.1	2857.3	7175.3	10042.5	10370.2	8916.0
77.5°	196.0	209.1	268.4	438.1	663.7	974.9	3066.4	5232.0	5857.8	4869.7
80°	131.7	143.3	184.4	293.1	431.5	418.3	976.6	1938.3	2384.6	1673.2
82.5°	88.9	90.6	131.7	192.7	273.4	202.6	288.2	602.7	757.5	484.2
85°	51.1	49.4	97.2	112.0	121.9	84.0	87.3	181.2	237.1	204.2
87.5°	6.6	9.9	37.9	29.6	16.5	18.1	18.1	31.3	46.1	49.4
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°
2857.3	0°	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3	2857.3
2860.6	2.5°	2860.6	2858.9	2854.0	2849.0	2837.5	2830.9	2834.2	2830.9	2829.3	2830.9
2882.0	5°	2882.0	2877.0	2863.9	2847.4	2824.3	2796.3	2778.2	2751.9	2727.2	2712.4
2939.6	7.5°	2939.6	2934.7	2916.6	2870.5	2796.3	2679.4	2572.4	2478.5	2407.7	2366.5
3031.8	10°	3031.8	3023.6	2995.6	2893.5	2699.2	2443.9	2231.5	2055.3	1940.0	1885.6
3140.5	12.5°	3140.5	3130.7	3081.3	2872.1	2514.7	2116.2	1823.1	1627.1	1520.0	1472.3
3265.7	15°	3269.0	3255.8	3158.7	2770.0	2246.3	1753.9	1485.5	1338.9	1269.7	1226.9
3425.4	17.5°	3428.7	3405.7	3216.3	2616.8	1954.8	1477.2	1278.0	1167.6	1106.7	1065.5
3634.6	20°	3636.2	3598.4	3262.4	2434.0	1686.4	1302.7	1138.0	1045.7	999.6	963.4
3931.0	22.5°	3926.1	3871.7	3318.4	2236.4	1497.0	1182.4	1034.2	966.7	928.8	887.7
4344.4	25°	4285.1	4220.9	3387.6	2053.6	1366.9	1078.7	958.5	902.5	858.0	810.2
4886.2	27.5°	4787.4	4672.1	3469.9	1903.8	1254.9	989.8	889.3	826.7	775.7	736.1
5500.5	30°	5347.3	5157.9	3542.4	1813.2	1152.8	907.4	798.7	736.1	688.4	660.4
6052.2	32.5°	5877.6	5620.7	3590.1	1773.7	1060.6	813.5	699.9	632.4	596.2	587.9
6592.3	35°	6378.2	6039.0	3585.2	1735.8	978.2	719.7	602.7	533.6	505.6	510.5
7173.7	37.5°	6954.6	6485.3	3550.6	1676.5	910.7	634.0	518.8	457.8	433.1	434.8
7880.2	40°	7624.9	7000.7	3529.2	1564.5	836.6	555.0	449.6	400.2	382.1	375.5
8624.5	42.5°	8339.6	7499.7	3532.5	1437.7	744.4	484.2	401.8	360.7	344.2	339.3
9452.9	45°	9057.7	7975.7	3537.4	1306.0	647.2	429.8	367.2	332.7	322.8	316.2
10292.8	47.5°	9732.9	8380.8	3445.2	1164.3	551.7	388.7	339.3	316.2	308.0	299.7
11136.0	50°	10362.0	8650.9	3222.9	999.6	475.9	355.7	317.8	301.4	293.1	284.9
11900.1	52.5°	10851.1	8693.7	2855.6	830.0	423.2	331.0	304.7	289.8	280.0	271.7
12517.7	55°	11068.5	8425.3	2333.6	671.9	382.1	309.6	291.5	276.7	265.1	256.9
13003.5	57.5°	11012.5	7860.4	1819.8	540.2	342.5	288.2	275.0	265.1	252.0	238.8
13397.1	60°	10737.4	7104.5	1371.8	449.6	306.3	265.1	256.9	248.7	230.6	210.8
13548.6	62.5°	10261.5	6154.3	978.2	372.2	266.8	238.8	235.5	228.9	202.6	166.3
13324.6	65°	9533.6	4999.8	658.7	309.6	228.9	209.1	210.8	199.3	164.7	123.5
12504.5	67.5°	8469.7	3656.0	421.6	253.6	191.0	174.6	176.2	169.6	140.0	105.4
10949.9	70°	7114.4	2420.9	275.0	192.7	153.2	135.0	144.9	146.6	118.6	85.6
8403.9	72.5°	5215.6	1429.5	192.7	143.3	112.0	93.9	118.6	121.9	95.5	64.2
5055.8	75°	2972.6	678.5	144.9	103.8	69.2	65.9	92.2	92.2	65.9	42.8
2188.7	77.5°	1248.3	283.3	102.1	67.5	39.5	37.9	62.6	57.6	32.9	19.8
533.6	80°	360.7	126.8	54.3	32.9	16.5	14.8	24.7	18.1	8.2	3.3
202.6	82.5°	141.6	56.0	21.4	13.2	6.6	6.6	3.3	0.0	0.0	0.0
115.3	85°	84.0	23.1	9.9	4.9	1.6	0.0	0.0	0.0	0.0	0.0
24.7	87.5°	21.4	4.9	3.3	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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2857.3
2837.5
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