

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: P848873

Luminaire Tested: **GLAN-SB5C-927-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848873  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5C-927-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24149 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

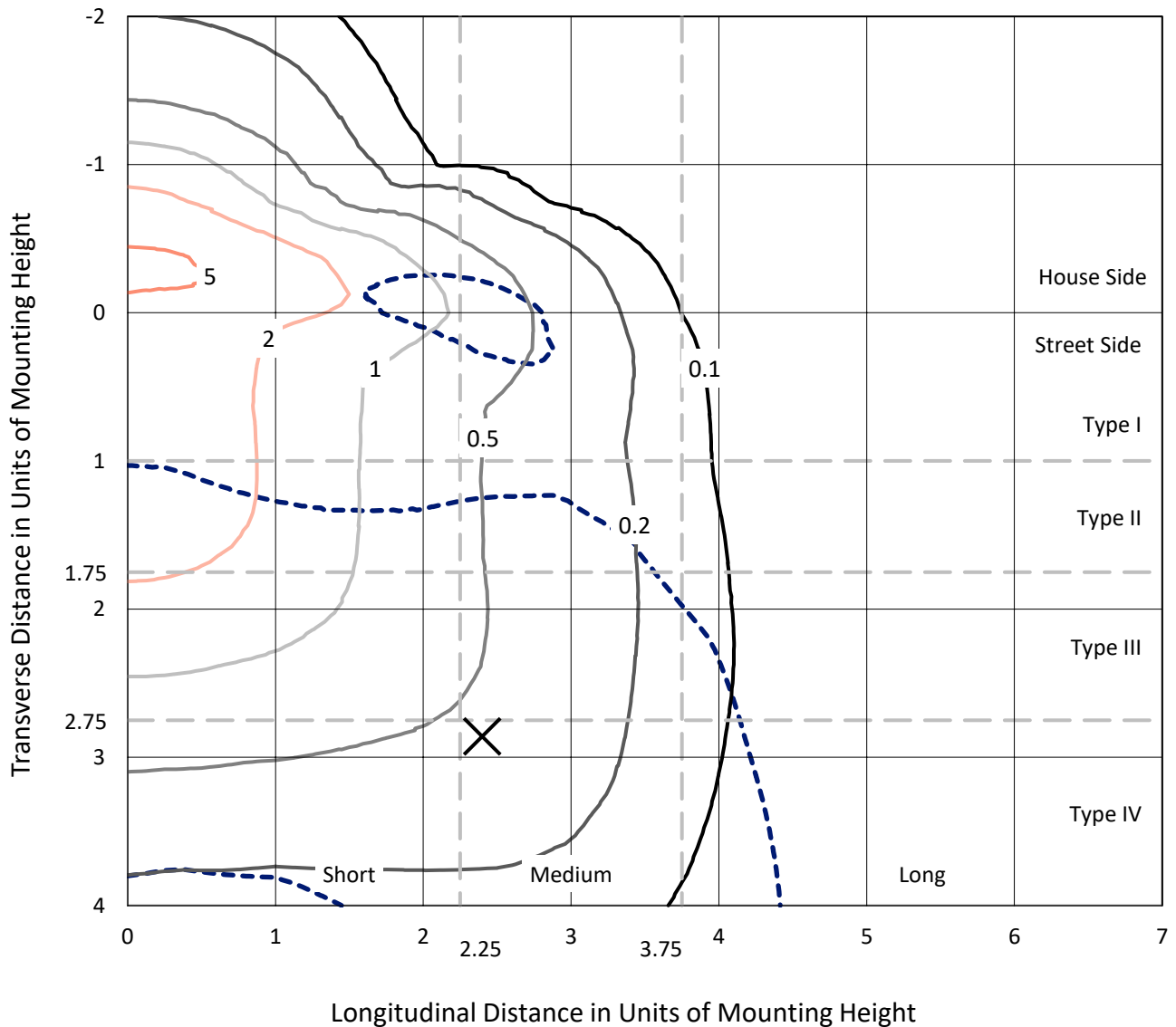
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

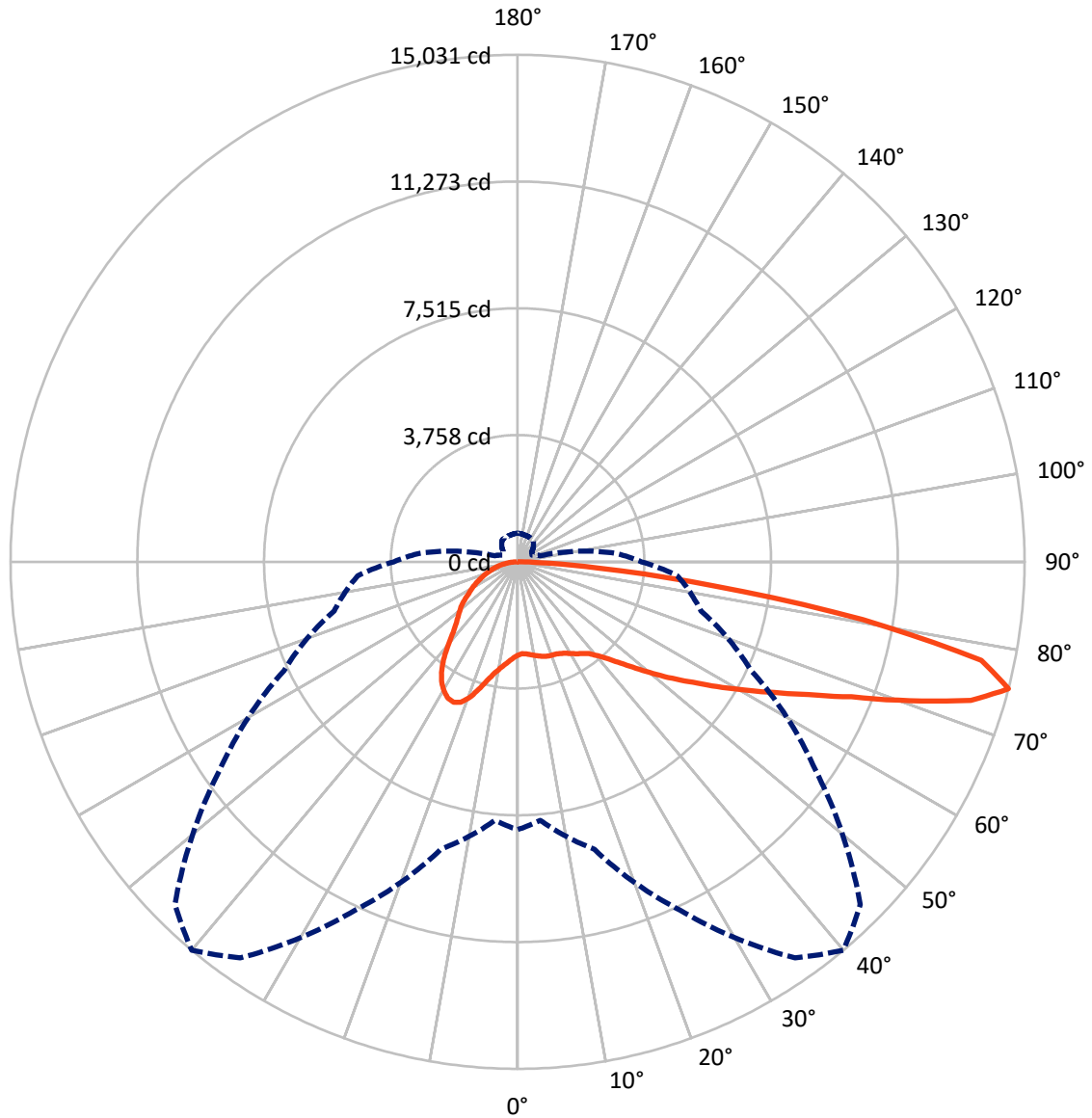
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7482.2	0.0	7482.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	16666.8	0.0	16666.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	24149.0	0.0	24149.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.7	1.1
10°-20°	925.5	3.8
20°-30°	1689.8	7.0
30°-40°	2396.7	9.9
40°-50°	3236.2	13.4
50°-60°	4353.6	18.0
60°-70°	5525.7	22.9
70°-80°	5014.9	20.8
80°-90°	731.0	3.0
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°	24149.0	100.0
0°-180°	24149.0	100.0

**Coefficient of Utilization**

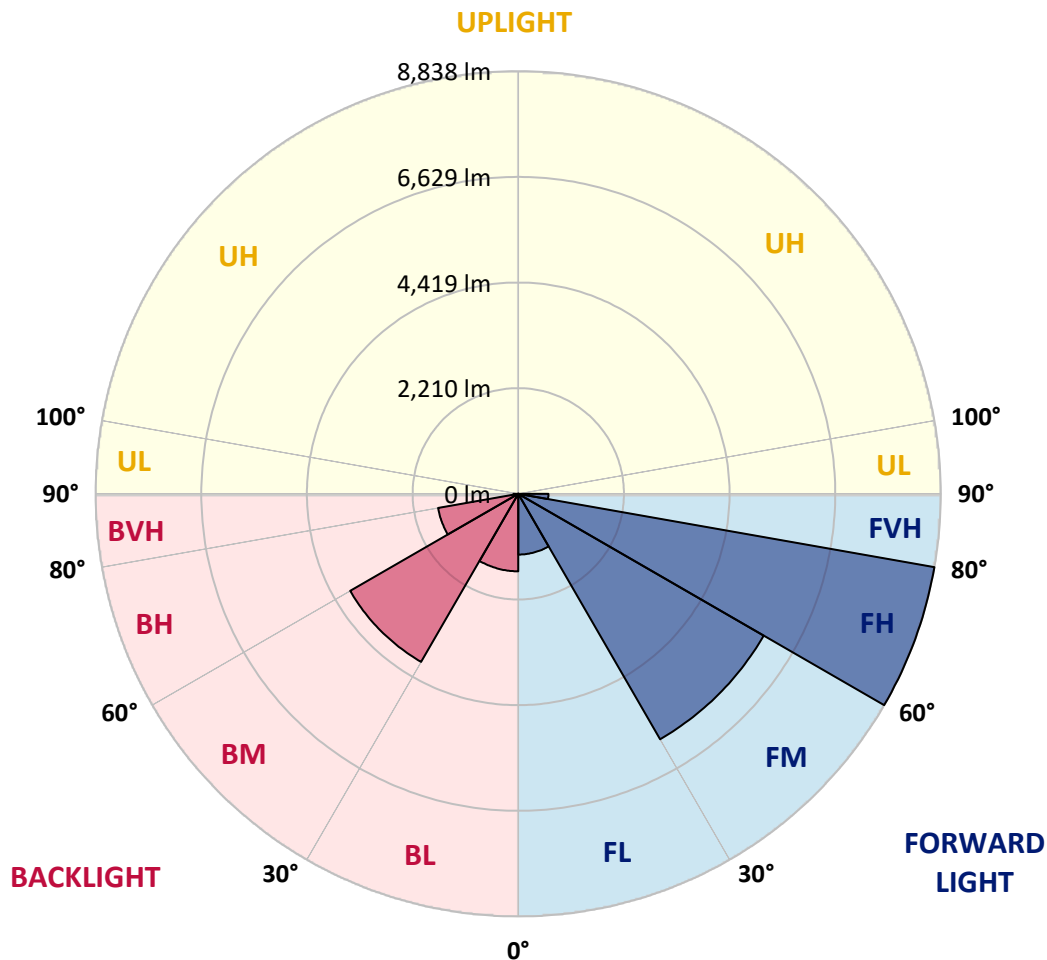


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1270.3	5.3			
FM (30°-60°)	5928.0	24.5			
FH (60°-80°)	8838.2	36.6			G4/12000
FVH (80°-90°)	630.4	2.6			G4/750
BL (0°-30°)	1620.7	6.7	B3/2500		
BM (30°-60°)	4058.4	16.8	B3/5000		
BH (60°-80°)	1702.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	100.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5
2.5°	2719.2	2734.6	2730.7	2725.6	2725.6	2726.9	2725.6	2734.6	2743.5	2752.5
5°	2747.4	2762.8	2755.1	2748.7	2743.5	2742.3	2738.4	2737.1	2742.3	2753.8
7.5°	2802.5	2817.8	2806.3	2794.8	2784.5	2779.4	2774.3	2766.6	2762.8	2769.2
10°	2863.9	2879.3	2865.2	2844.7	2828.1	2821.7	2816.5	2808.9	2803.7	2807.6
12.5°	2925.4	2940.8	2921.6	2893.4	2871.6	2867.8	2861.4	2858.8	2857.5	2856.3
15°	2983.1	2995.9	2971.5	2938.2	2915.2	2908.8	2902.4	2906.2	2912.6	2920.3
17.5°	3027.9	3040.7	3004.8	2961.3	2939.5	2936.9	2933.1	2945.9	2963.8	2983.1
20°	3068.9	3081.7	3035.6	2976.6	2951.0	2951.0	2952.3	2979.2	3004.8	3033.0
22.5°	3126.5	3136.8	3080.4	2999.7	2962.6	2965.1	2975.4	3002.3	3034.3	3072.7
25°	3212.3	3220.0	3150.8	3043.3	3001.0	3008.7	3017.6	3030.4	3061.2	3106.0
27.5°	3350.7	3357.1	3266.1	3120.1	3056.1	3068.9	3081.7	3072.7	3086.8	3125.2
30°	3545.3	3549.2	3433.9	3240.5	3149.6	3156.0	3158.5	3121.4	3094.5	3125.2
32.5°	3775.9	3774.6	3637.6	3386.5	3255.9	3249.5	3227.7	3154.7	3091.9	3118.8
35°	4133.2	4119.2	3942.4	3591.4	3376.3	3336.6	3285.3	3191.8	3104.7	3112.4
37.5°	4725.0	4681.4	4436.8	3927.0	3555.6	3454.4	3378.8	3252.0	3132.9	3109.9
40°	5392.3	5337.2	5068.2	4386.8	3824.6	3661.9	3540.2	3337.8	3179.0	3121.4
42.5°	6183.8	6105.7	5816.3	4928.6	4165.3	3929.6	3746.4	3446.7	3246.9	3158.5
45°	7156.0	7052.3	6642.4	5539.6	4594.3	4280.5	4035.9	3611.9	3350.7	3230.3
47.5°	8138.4	8164.0	7581.2	6238.9	5109.2	4713.5	4398.4	3860.4	3501.8	3345.5
50°	9182.3	9200.2	8515.0	7013.8	5693.3	5202.7	4805.7	4138.4	3711.8	3509.5
52.5°	9996.9	9999.4	9362.9	7824.6	6301.7	5740.7	5245.0	4456.0	3955.2	3727.2
55°	10506.7	10500.2	9957.2	8591.8	7001.0	6305.5	5731.7	4817.2	4252.4	3983.4
57.5°	10876.8	10857.6	10367.0	9251.4	7746.5	6972.8	6282.5	5227.1	4603.3	4288.2
60°	11017.7	11006.2	10645.0	9821.4	8530.3	7710.6	6917.8	5685.6	5001.6	4648.1
62.5°	11071.5	11093.3	10917.8	10373.4	9369.3	8527.8	7615.8	6233.8	5449.9	5055.4
65°	11261.1	11300.8	11264.9	11095.8	10317.1	9484.5	8541.9	6885.7	5939.2	5492.2
67.5°	11636.3	11676.0	11691.4	11960.4	11475.0	10677.0	9697.2	7697.8	6511.7	5945.6
70°	11627.4	11615.9	11887.4	12648.2	12924.9	12328.0	11254.7	8696.8	7194.4	6322.2
72.5°	10583.5	10491.3	11133.0	12640.5	14131.4	14052.0	13156.7	9985.4	7783.6	6368.3
75°	7939.9	7693.9	8827.5	11391.7	14332.5	15030.5	14365.8	10784.6	7644.0	5626.7
77.5°	3395.5	3148.3	4484.2	8433.0	12827.5	14050.7	13256.6	9409.0	6101.9	3720.8
80°	888.9	887.6	1355.1	3823.3	8723.7	10376.0	9102.9	6076.3	3486.4	1329.5
82.5°	367.6	358.6	498.2	1487.0	4262.6	5822.7	4751.9	2710.2	1259.1	359.9
85°	137.0	135.8	242.1	513.6	1503.7	2401.6	1738.1	692.9	313.8	175.5
87.5°	38.4	37.1	52.5	178.0	366.3	555.9	297.2	114.0	88.4	69.2
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°
2761.5	0°	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5	2761.5
2766.6	2.5°	2770.4	2776.8	2788.4	2797.3	2808.9	2821.7	2839.6	2851.1	2862.7	2870.3
2773.0	5°	2782.0	2796.1	2825.5	2855.0	2889.6	2921.6	2958.7	2985.6	3007.4	3013.8
2796.1	7.5°	2807.6	2830.6	2880.6	2930.5	2985.6	3038.1	3091.9	3138.0	3175.2	3189.3
2837.0	10°	2852.4	2883.1	2953.6	3024.0	3097.0	3177.7	3246.9	3313.5	3366.0	3387.8
2885.7	12.5°	2908.8	2947.2	3039.4	3136.8	3237.9	3349.4	3439.0	3521.0	3586.3	3615.8
2953.6	15°	2981.8	3031.7	3149.6	3280.2	3428.8	3583.8	3697.8	3788.7	3861.7	3897.6
3024.0	17.5°	3061.2	3127.8	3276.4	3473.6	3686.2	3889.9	4023.1	4089.7	4165.3	4199.8
3089.4	20°	3138.0	3220.0	3432.6	3719.5	4002.6	4219.1	4326.6	4344.6	4349.7	4353.5
3150.8	22.5°	3217.4	3327.6	3628.6	4029.5	4333.0	4482.9	4498.3	4421.4	4313.8	4263.9
3211.0	25°	3304.5	3450.6	3884.8	4371.5	4617.4	4635.3	4517.5	4330.5	4126.8	4033.3
3259.7	27.5°	3389.1	3592.7	4192.2	4698.1	4822.3	4664.8	4411.2	4146.0	3900.1	3801.5
3294.3	30°	3473.6	3755.4	4531.6	4983.7	4915.8	4591.8	4243.4	3947.5	3700.3	3596.6
3325.0	32.5°	3559.4	3945.0	4922.2	5189.9	4899.2	4436.8	4034.6	3724.7	3506.9	3398.0
3351.9	35°	3656.8	4178.1	5292.4	5302.6	4787.7	4208.8	3759.2	3458.2	3268.7	3181.6
3384.0	37.5°	3783.6	4473.9	5619.0	5330.8	4593.1	3874.5	3417.3	3143.2	2986.9	2947.2
3431.3	40°	3941.1	4830.0	5868.8	5286.0	4304.9	3468.5	3043.3	2824.2	2735.9	2744.8
3495.4	42.5°	4146.0	5228.3	6044.2	5170.7	3904.0	3049.7	2715.4	2618.0	2660.3	2696.1
3591.4	45°	4412.5	5642.1	6153.1	4974.7	3450.6	2694.9	2522.0	2545.0	2577.0	2580.9
3746.4	47.5°	4753.2	6060.9	6224.8	4678.9	2988.2	2445.1	2399.0	2404.1	2397.7	2370.8
3978.3	50°	5178.4	6468.2	6288.9	4286.9	2595.0	2288.8	2227.4	2209.4	2121.1	2034.0
4286.9	52.5°	5662.6	6842.2	6315.8	3800.2	2288.8	2158.2	2058.3	1945.6	1780.4	1753.5
4675.0	55°	6200.5	7188.0	6246.6	3202.1	2031.4	1990.4	1839.3	1703.5	1685.6	1662.5
5186.1	57.5°	6843.5	7560.7	6105.7	2534.8	1767.5	1794.4	1647.1	1662.5	1630.5	1594.6
5843.1	60°	7546.7	7946.3	5858.5	1926.4	1494.7	1549.8	1597.2	1595.9	1586.9	1557.5
6536.1	62.5°	8179.4	8199.9	5371.8	1475.5	1255.2	1360.2	1489.6	1488.3	1480.6	1464.0
7259.7	65°	8555.9	8161.5	4559.8	1161.7	1058.0	1204.0	1343.6	1353.8	1355.1	1353.8
7804.1	67.5°	8489.3	7711.9	3445.4	924.8	895.3	1045.2	1198.9	1212.9	1223.2	1225.8
7873.3	70°	7736.2	6724.4	2246.6	737.8	750.6	905.5	1061.8	1075.9	1084.9	1095.1
6831.9	72.5°	6030.1	4944.0	1286.0	596.9	623.8	785.1	926.0	942.7	947.8	967.0
4754.4	75°	3674.7	2907.5	694.2	470.1	512.3	671.2	791.6	810.8	819.7	842.8
2335.0	77.5°	1747.1	1259.1	395.8	366.3	412.4	548.2	668.6	690.4	666.0	678.8
644.3	80°	590.5	467.5	249.8	279.2	315.1	427.8	535.4	557.2	505.9	503.4
213.9	82.5°	206.2	189.6	158.8	185.7	203.7	306.1	404.7	432.9	376.6	375.3
96.1	85°	80.7	76.8	88.4	101.2	121.7	188.3	266.4	280.5	231.8	187.0
28.2	87.5°	16.7	17.9	21.8	23.1	37.1	65.3	96.1	117.8	93.5	79.4
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°
2761.5
2865.2
3016.4
3190.5
3389.1
3615.8
3895.0
4198.6
4363.8
4278.0
4047.4
3813.0
3608.1
3412.1
3200.8
2975.4
2775.6
2729.4
2606.5
2391.3
2045.5
1762.4
1666.4
1588.2
1547.2
1457.6
1353.8
1228.3
1100.2
974.7
845.3
668.6
498.2
357.4
184.4
73.0
0.0

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