

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: P848683

Luminaire Tested: **GLAN-SB5B-840-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848683  
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-SB5B-840-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25075 lumens  
Efficiency: N/A  
Efficacy: 137.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

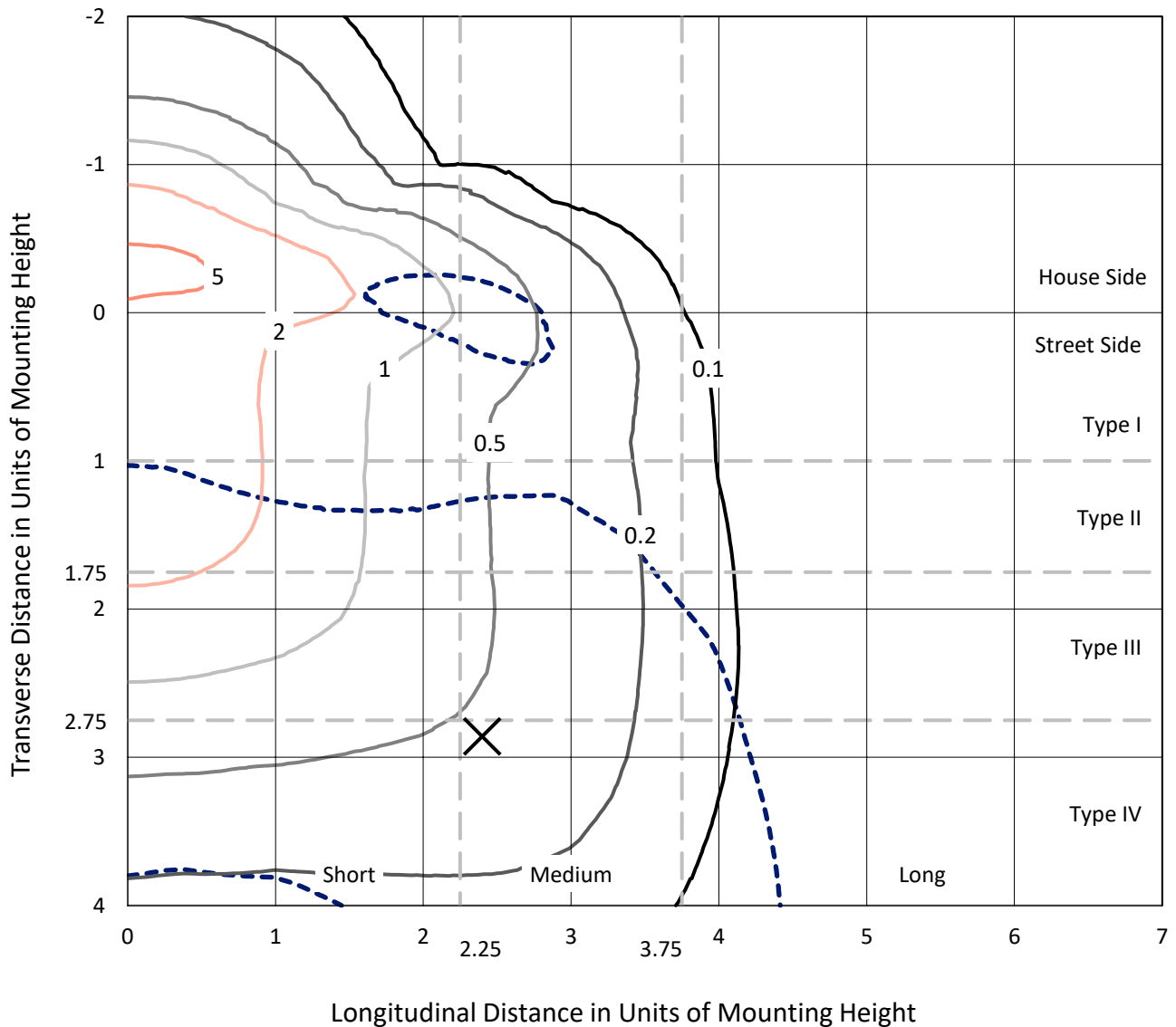
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

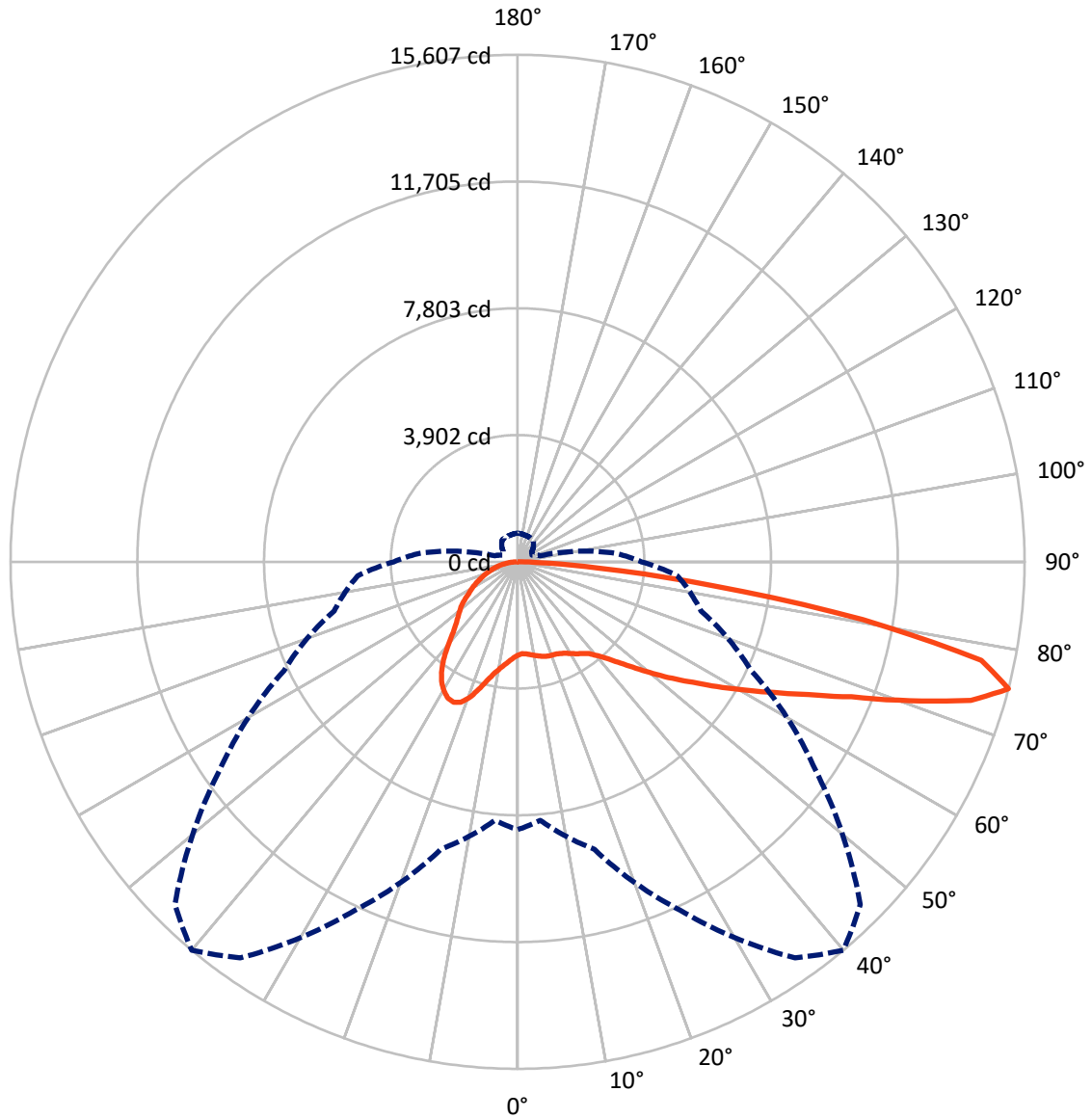
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	7769.1	0.0	7769.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	17305.9	0.0	17305.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	25075.0	0.0	25075.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	286.2	1.1
10°-20°	961.0	3.8
20°-30°	1754.6	7.0
30°-40°	2488.6	9.9
40°-50°	3360.3	13.4
50°-60°	4520.5	18.0
60°-70°	5737.6	22.9
70°-80°	5207.2	20.8
80°-90°	759.0	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°	25075.0	100.0
0°-180°	25075.0	100.0

**Coefficient of Utilization**

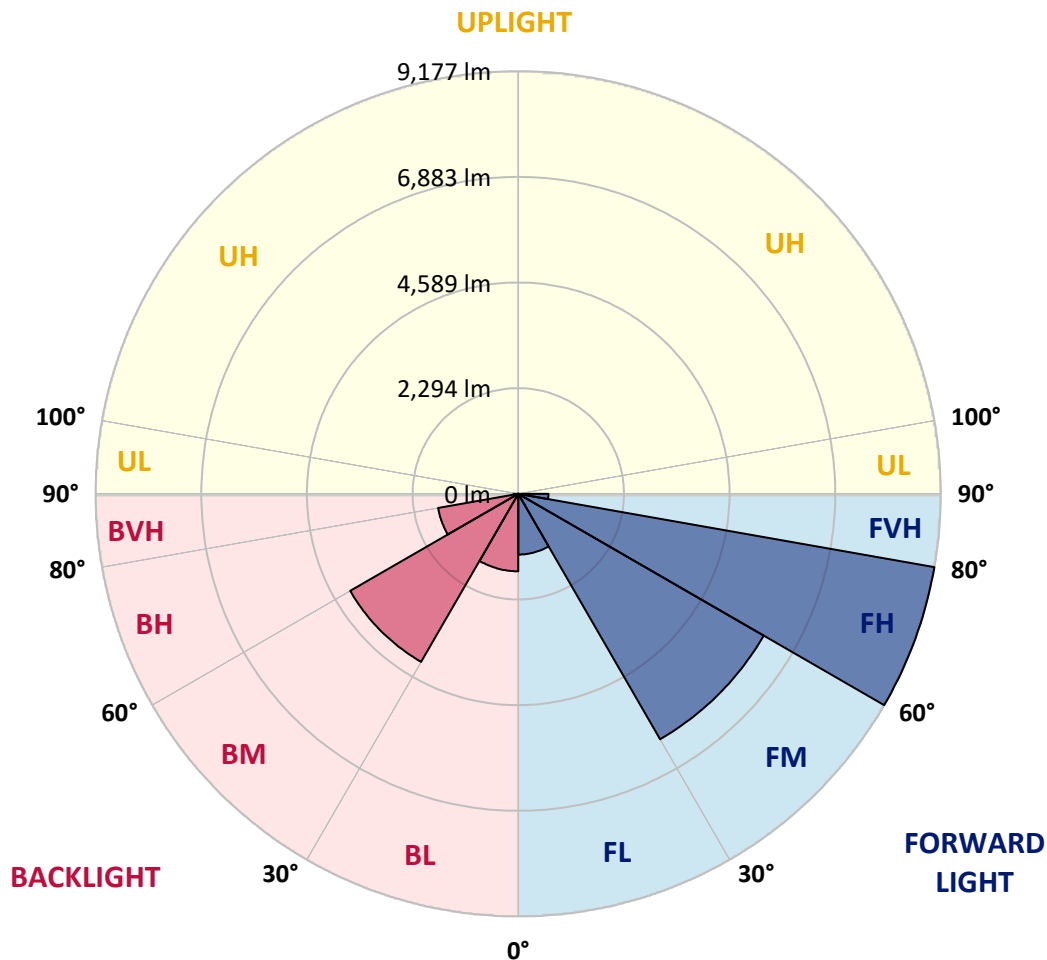


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1319.0	5.3			
FM (30°-60°)	6155.4	24.5			
FH (60°-80°)	9177.1	36.6			G4/12000
FVH (80°-90°)	654.5	2.6			G4/750
BL (0°-30°)	1682.9	6.7	B3/2500		
BM (30°-60°)	4214.0	16.8	B3/5000		
BH (60°-80°)	1767.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	104.5	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°	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4
2.5°	2823.5	2839.4	2835.4	2830.1	2830.1	2831.5	2830.1	2839.4	2848.7	2858.1
5°	2852.7	2868.7	2860.7	2854.1	2848.7	2847.4	2843.4	2842.1	2847.4	2859.4
7.5°	2909.9	2925.9	2913.9	2901.9	2891.3	2886.0	2880.7	2872.7	2868.7	2875.3
10°	2973.8	2989.7	2975.1	2953.8	2936.5	2929.9	2924.5	2916.6	2911.2	2915.2
12.5°	3037.6	3053.6	3033.6	3004.3	2981.7	2977.7	2971.1	2968.4	2967.1	2965.8
15°	3097.4	3110.7	3085.5	3050.9	3027.0	3020.3	3013.7	3017.6	3024.3	3032.3
17.5°	3144.0	3157.3	3120.0	3074.8	3052.2	3049.6	3045.6	3058.9	3077.5	3097.4
20°	3186.5	3199.8	3152.0	3090.8	3064.2	3064.2	3065.5	3093.5	3120.0	3149.3
22.5°	3246.4	3257.0	3198.5	3114.7	3076.2	3078.8	3089.5	3117.4	3150.6	3190.5
25°	3335.5	3343.5	3271.7	3159.9	3116.1	3124.0	3133.3	3146.6	3178.6	3225.1
27.5°	3479.1	3485.8	3391.4	3239.7	3173.2	3186.5	3199.8	3190.5	3205.2	3245.1
30°	3681.3	3685.3	3565.6	3364.8	3270.3	3277.0	3279.6	3241.1	3213.1	3245.1
32.5°	3920.7	3919.3	3777.0	3516.4	3380.7	3374.1	3351.5	3275.7	3210.5	3238.4
35°	4291.7	4277.1	4093.6	3729.2	3505.7	3464.5	3411.3	3314.2	3223.8	3231.8
37.5°	4906.2	4860.9	4606.9	4077.6	3691.9	3586.9	3508.4	3376.7	3253.0	3229.1
40°	5599.1	5541.9	5262.6	4555.1	3971.2	3802.3	3676.0	3465.8	3300.9	3241.1
42.5°	6421.0	6339.8	6039.3	5117.6	4325.0	4080.3	3890.1	3578.9	3371.4	3279.6
45°	7430.4	7322.7	6897.1	5752.0	4770.5	4444.7	4190.7	3750.4	3479.1	3354.1
47.5°	8450.5	8477.1	7871.9	6478.2	5305.1	4894.2	4567.0	4008.5	3636.1	3473.8
50°	9534.4	9553.0	8841.5	7282.8	5911.6	5402.2	4990.0	4297.0	3854.2	3644.0
52.5°	10380.2	10382.9	9721.9	8124.6	6543.3	5960.8	5446.1	4626.9	4106.9	3870.1
55°	10909.5	10902.9	10339.0	8921.3	7269.5	6547.3	5951.5	5001.9	4415.4	4136.1
57.5°	11293.9	11273.9	10764.6	9606.2	8043.5	7240.2	6523.4	5427.5	4779.8	4452.7
60°	11440.2	11428.2	11053.2	10198.0	8857.4	8006.3	7183.0	5903.6	5193.4	4826.4
62.5°	11496.0	11518.6	11336.4	10771.2	9728.5	8854.8	7907.8	6472.8	5658.9	5249.3
65°	11692.9	11734.1	11696.9	11521.3	10712.7	9848.2	8869.4	7149.8	6167.0	5702.8
67.5°	12082.5	12123.8	12139.7	12419.0	11915.0	11086.4	10069.0	7993.0	6761.4	6173.6
70°	12073.2	12061.3	12343.2	13133.2	13420.5	12800.7	11686.2	9030.3	7470.3	6564.6
72.5°	10989.3	10893.6	11559.9	13125.2	14673.3	14590.8	13661.2	10368.2	8082.1	6612.5
75°	8244.3	7989.0	9166.0	11828.5	14882.1	15606.9	14916.7	11198.1	7937.1	5842.4
77.5°	3525.7	3269.0	4656.1	8756.4	13319.4	14589.5	13764.9	9769.8	6335.9	3863.5
80°	923.0	921.7	1407.1	3969.9	9058.2	10773.9	9451.9	6309.3	3620.1	1380.5
82.5°	381.7	372.4	517.3	1544.1	4426.1	6045.9	4934.1	2814.2	1307.3	373.7
85°	142.3	141.0	251.4	533.3	1561.4	2493.6	1804.7	719.5	325.8	182.2
87.5°	39.9	38.6	54.5	184.9	380.4	577.2	308.5	118.4	91.8	71.8
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°
2867.4	0°	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4	2867.4
2872.7	2.5°	2876.7	2883.3	2895.3	2904.6	2916.6	2929.9	2948.5	2960.5	2972.4	2980.4
2879.3	5°	2888.6	2903.3	2933.9	2964.4	3000.4	3033.6	3072.2	3100.1	3122.7	3129.4
2903.3	7.5°	2915.2	2939.2	2991.0	3042.9	3100.1	3154.6	3210.5	3258.4	3296.9	3311.6
2945.8	10°	2961.8	2993.7	3066.9	3140.0	3215.8	3299.6	3371.4	3440.6	3495.1	3517.7
2996.4	12.5°	3020.3	3060.2	3156.0	3257.0	3362.1	3477.8	3570.9	3656.0	3723.8	3754.4
3066.9	15°	3096.1	3148.0	3270.3	3406.0	3560.3	3721.2	3839.5	3934.0	4009.8	4047.0
3140.0	17.5°	3178.6	3247.7	3402.0	3606.8	3827.6	4039.0	4177.4	4246.5	4325.0	4360.9
3207.8	20°	3258.4	3343.5	3564.3	3862.2	4156.1	4380.8	4492.6	4511.2	4516.5	4520.5
3271.7	22.5°	3340.8	3455.2	3767.7	4184.0	4499.2	4654.8	4670.8	4591.0	4479.3	4427.4
3334.2	25°	3431.3	3582.9	4033.7	4539.1	4794.4	4813.1	4690.7	4496.5	4285.1	4188.0
3384.7	27.5°	3519.0	3730.5	4352.9	4878.2	5007.2	4843.7	4580.3	4305.0	4049.7	3947.3
3420.6	30°	3606.8	3899.4	4705.3	5174.8	5104.3	4767.8	4406.1	4098.9	3842.2	3734.5
3452.5	32.5°	3695.9	4096.2	5111.0	5388.9	5087.0	4606.9	4189.3	3867.5	3641.4	3528.3
3480.5	35°	3797.0	4338.3	5495.3	5506.0	4971.3	4370.2	3903.4	3590.8	3394.0	3303.6
3513.7	37.5°	3928.7	4645.5	5834.5	5535.2	4769.2	4023.1	3548.3	3263.7	3101.4	3060.2
3562.9	40°	4092.2	5015.2	6093.8	5488.7	4469.9	3601.5	3159.9	2932.5	2840.8	2850.1
3629.4	42.5°	4305.0	5428.8	6276.0	5369.0	4053.7	3166.6	2819.5	2718.4	2762.3	2799.5
3729.2	45°	4581.7	5858.4	6389.1	5165.5	3582.9	2798.2	2618.7	2642.6	2675.8	2679.8
3890.1	47.5°	4935.4	6293.3	6463.5	4858.3	3102.8	2538.9	2491.0	2496.3	2489.7	2461.7
4130.8	50°	5377.0	6716.2	6530.0	4451.3	2694.5	2376.6	2312.8	2294.2	2202.4	2112.0
4451.3	52.5°	5879.7	7104.6	6558.0	3945.9	2376.6	2241.0	2137.2	2020.2	1848.6	1820.7
4854.3	55°	6438.3	7463.6	6486.1	3324.9	2109.3	2066.7	1909.8	1768.8	1750.2	1726.3
5384.9	57.5°	7105.9	7850.7	6339.8	2632.0	1835.3	1863.3	1710.3	1726.3	1693.0	1655.8
6067.2	60°	7836.0	8251.0	6083.2	2000.2	1552.0	1609.2	1658.4	1657.1	1647.8	1617.2
6786.7	62.5°	8493.0	8514.3	5577.8	1532.1	1303.3	1412.4	1546.7	1545.4	1537.4	1520.1
7538.1	65°	8884.0	8474.4	4734.6	1206.3	1098.5	1250.1	1395.1	1405.8	1407.1	1405.8
8103.3	67.5°	8814.9	8007.6	3577.5	960.2	929.6	1085.2	1244.8	1259.5	1270.1	1272.8
8175.2	70°	8032.9	6982.2	2332.7	766.0	779.3	940.3	1102.5	1117.2	1126.5	1137.1
7093.9	72.5°	6261.4	5133.6	1335.3	619.8	647.7	815.3	961.5	978.8	984.2	1004.1
4936.8	75°	3815.6	3019.0	720.8	488.1	532.0	696.9	821.9	841.9	851.2	875.1
2424.5	77.5°	1814.0	1307.3	411.0	380.4	428.2	569.2	694.2	716.8	691.6	704.9
669.0	80°	613.1	485.4	259.3	289.9	327.2	444.2	555.9	578.5	525.3	522.7
222.1	82.5°	214.1	196.8	164.9	192.8	211.5	317.9	420.3	449.5	391.0	389.7
99.7	85°	83.8	79.8	91.8	105.1	126.3	195.5	276.6	291.3	240.7	194.2
29.3	87.5°	17.3	18.6	22.6	23.9	38.6	67.8	99.7	122.4	97.1	82.5
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°
2867.4
2975.1
3132.0
3312.9
3519.0
3754.4
4044.4
4359.6
4531.1
4442.0
4202.6
3959.2
3746.5
3543.0
3323.5
3089.5
2882.0
2834.1
2706.4
2483.0
2123.9
1830.0
1730.3
1649.1
1606.6
1513.5
1405.8
1275.4
1142.4
1012.1
877.8
694.2
517.3
371.1
191.5
75.8
0.0

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