

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: P849877

Luminaire Tested: **GLAN-SB7A-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849877
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-SB7A-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 350mA 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: 22250 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

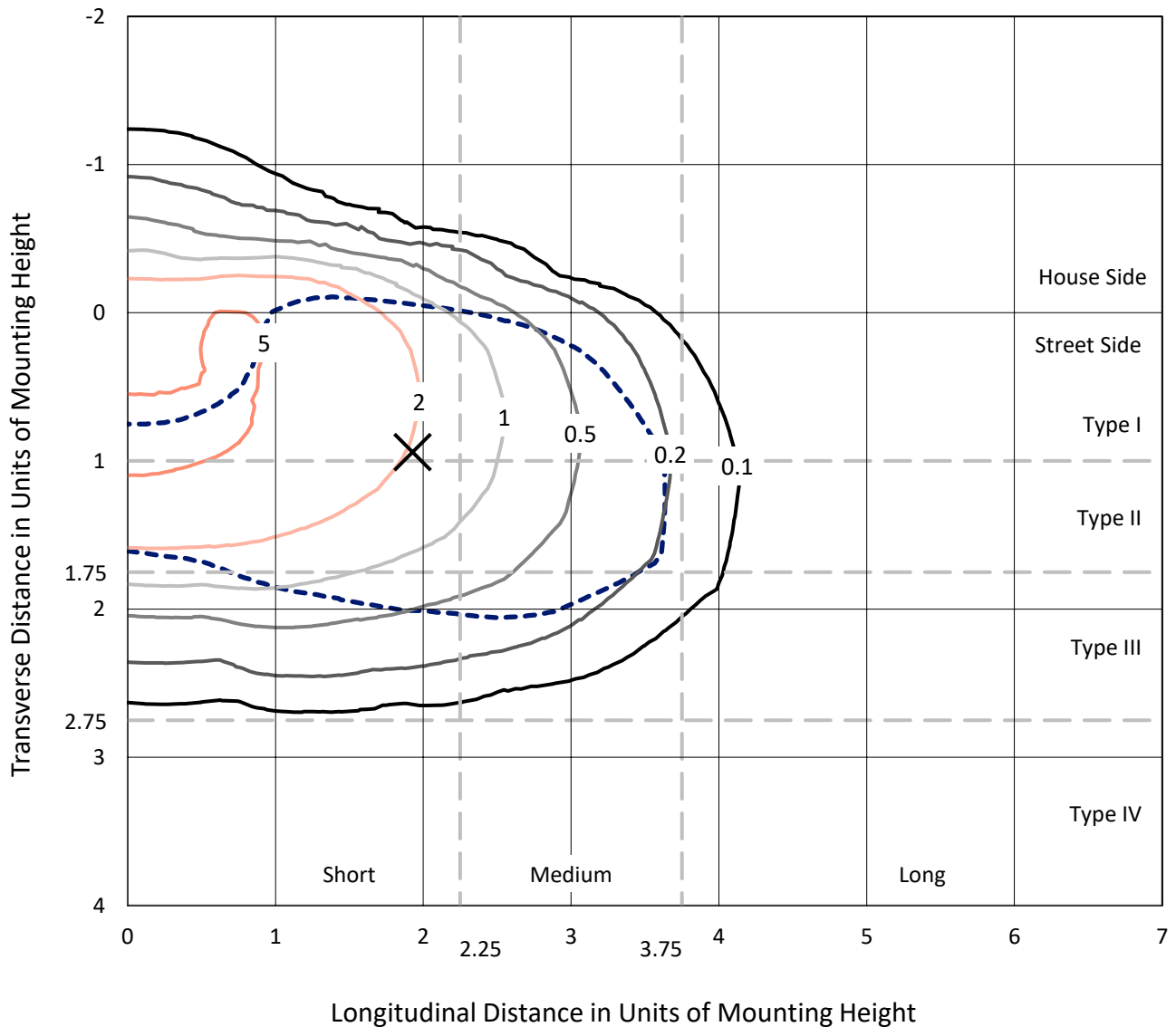
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

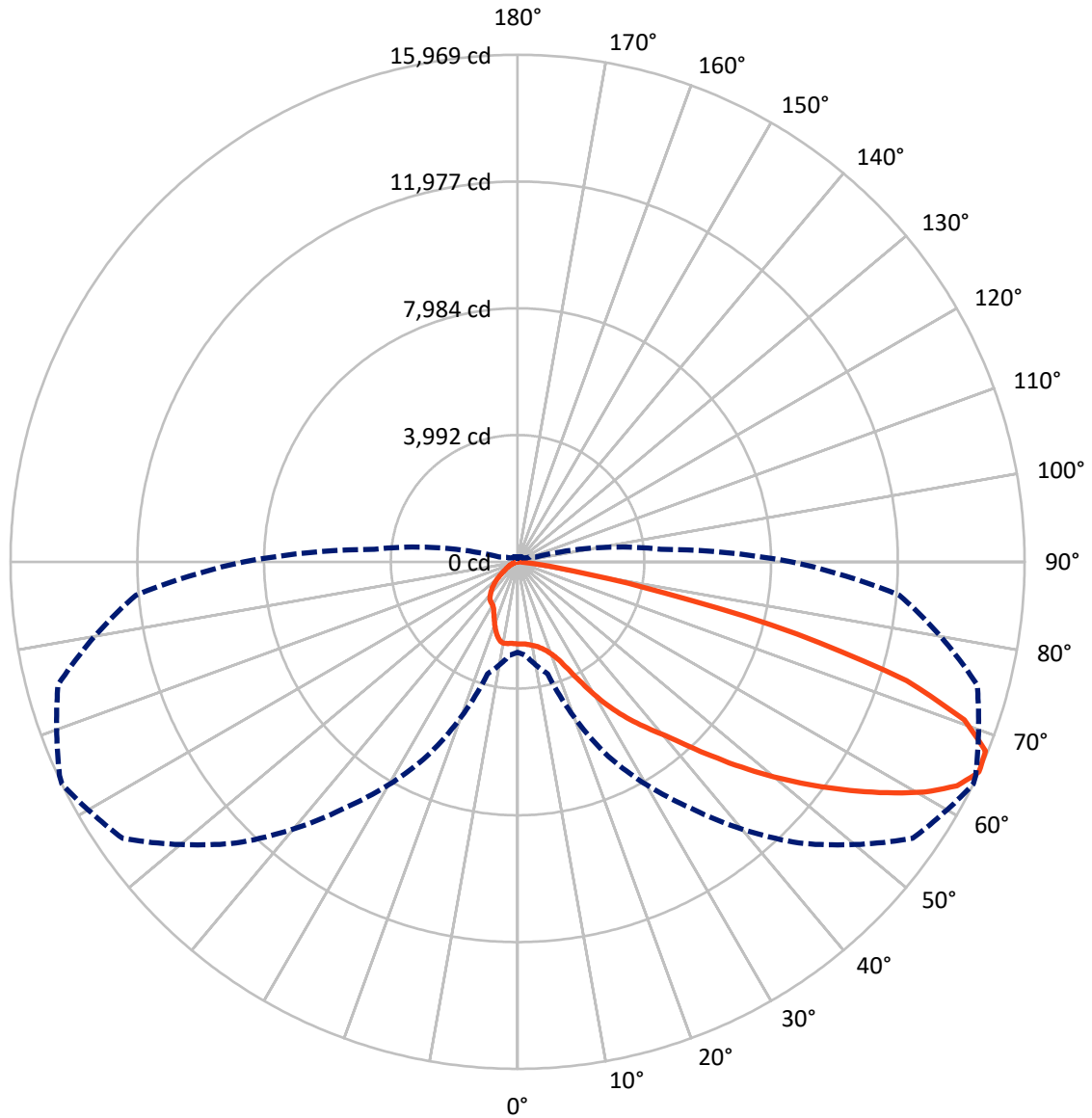
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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
House Side	Lumens	2975.5	0.0	2975.5
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	19274.5	0.0	19274.5
	% Fixture	86.6	0.0	86.6
Total	Lumens	22250.0	0.0	22250.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.8	1.1
10°-20°	647.6	2.9
20°-30°	1227.1	5.5
30°-40°	2483.1	11.2
40°-50°	4230.0	19.0
50°-60°	5752.5	25.9
60°-70°	5401.9	24.3
70°-80°	2164.2	9.7
80°-90°	104.8	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°	22250.0	100.0
0°-180°	22250.0	100.0

Coefficient of Utilization



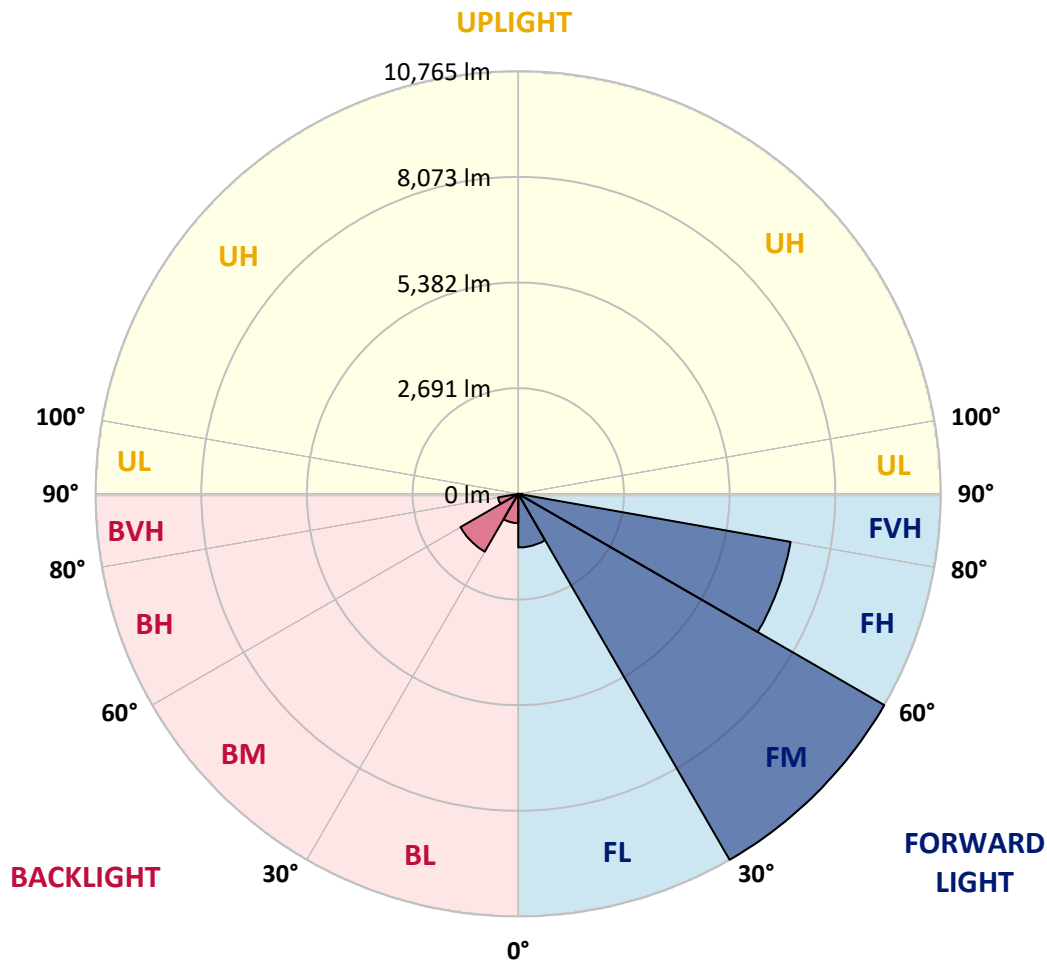
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1366.4	6.1			
FM (30°-60°)	10764.5	48.4			
FH (60°-80°)	7043.8	31.7			G3/7500
FVH (80°-90°)	99.7	0.4			G1/100
BL (0°-30°)	747.1	3.4	B2/1000		
BM (30°-60°)	1701.1	7.6	B2/2500		
BH (60°-80°)	522.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.1	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°	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9
2.5°	2579.0	2596.9	2592.4	2587.9	2586.4	2589.4	2590.9	2589.4	2589.4	2589.4
5°	2529.7	2544.6	2544.6	2555.1	2570.0	2587.9	2601.3	2604.3	2607.3	2611.8
7.5°	2435.8	2447.7	2456.6	2491.0	2528.2	2576.0	2616.2	2637.1	2640.1	2656.5
10°	2371.6	2386.5	2401.5	2437.3	2491.0	2562.5	2631.2	2681.9	2689.3	2728.1
12.5°	2368.6	2383.6	2402.9	2441.7	2504.4	2580.4	2664.0	2737.1	2750.5	2807.2
15°	2400.0	2417.9	2435.8	2483.5	2550.6	2643.1	2732.6	2823.6	2837.0	2917.5
17.5°	2464.1	2488.0	2501.4	2549.1	2620.7	2723.6	2841.5	2945.9	2957.8	3051.8
20°	2590.9	2619.2	2623.7	2662.5	2732.6	2843.0	2983.2	3112.9	3127.9	3235.3
22.5°	2853.4	2893.7	2857.9	2877.3	2939.9	3050.3	3202.4	3366.5	3387.4	3509.7
25°	3315.8	3372.5	3280.0	3247.2	3274.0	3388.9	3579.8	3787.1	3811.0	3909.5
27.5°	4224.2	4151.1	4010.9	3873.7	3793.1	3858.7	4073.5	4330.1	4359.9	4455.4
30°	5222.1	5157.9	4968.5	4664.2	4473.3	4462.8	4661.2	4947.6	4981.9	5072.9
32.5°	6221.4	6160.3	5954.4	5580.0	5248.9	5084.8	5222.1	5539.8	5557.7	5615.8
35°	7204.4	7141.7	6935.9	6552.5	6145.3	5772.4	5745.6	6103.6	6109.5	6170.7
37.5°	8193.3	8141.1	7921.8	7545.9	7144.7	6630.1	6381.0	6637.6	6645.0	6704.7
40°	8898.8	8921.2	8770.5	8479.7	8135.1	7572.8	7094.0	7205.9	7161.1	7261.1
42.5°	9504.4	9549.1	9417.9	9271.7	9071.8	8576.6	7977.0	7957.6	7886.0	7939.7
45°	10027.9	10065.2	9947.4	9913.1	9908.6	9561.1	8942.1	8825.7	8725.8	8715.4
47.5°	10220.4	10292.0	10342.7	10457.5	10681.3	10535.1	9939.9	9759.5	9647.6	9565.6
50°	10293.5	10369.5	10542.5	10876.7	11406.2	11468.8	10933.3	10730.5	10593.3	10444.1
52.5°	10195.0	10330.7	10563.4	11125.8	11893.9	12217.6	11886.5	11709.0	11552.4	11309.2
55°	9614.8	9750.5	10226.3	11122.8	12137.1	12742.6	12787.4	12708.3	12532.3	12149.0
57.5°	8391.7	8593.0	9346.3	10743.9	12132.6	13194.6	13670.4	13727.1	13530.2	12981.3
60°	6697.2	6970.2	7889.0	9904.1	11758.2	13439.2	14444.5	14727.9	14519.1	13801.7
62.5°	4673.1	4989.4	5859.0	8588.6	10902.0	13263.2	15009.9	15533.4	15375.3	14535.5
65°	2850.4	2951.9	3652.9	6758.4	9446.2	12526.4	15184.4	15968.9	15916.7	14984.5
67.5°	1898.8	1983.8	2185.2	4634.4	7332.6	11054.2	14766.7	15892.9	15907.8	14911.4
70°	1144.0	1217.1	1348.4	2695.3	4752.2	8749.7	13473.5	14923.3	15009.9	13934.4
72.5°	471.3	520.6	639.9	1221.6	2461.1	5553.2	10729.0	12812.7	13014.1	11716.4
75°	267.0	292.4	375.9	613.0	1068.0	2587.9	6498.9	9095.7	9392.5	8075.5
77.5°	177.5	189.4	243.1	396.8	601.1	883.0	2777.3	4738.8	5305.6	4410.6
80°	119.3	129.8	167.1	265.5	390.8	378.9	884.5	1755.6	2159.8	1515.5
82.5°	80.5	82.0	119.3	174.5	247.6	183.5	261.0	545.9	686.1	438.5
85°	46.2	44.7	88.0	101.4	110.4	76.1	79.1	164.1	214.8	185.0
87.5°	6.0	8.9	34.3	26.8	14.9	16.4	16.4	28.3	41.8	44.7
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°
2587.9	0°	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9	2587.9
2590.9	2.5°	2590.9	2589.4	2584.9	2580.4	2570.0	2564.0	2567.0	2564.0	2562.5	2564.0
2610.3	5°	2610.3	2605.8	2593.9	2579.0	2558.1	2532.7	2516.3	2492.4	2470.1	2456.6
2662.5	7.5°	2662.5	2658.0	2641.6	2599.8	2532.7	2426.8	2329.9	2244.8	2180.7	2143.4
2746.0	10°	2746.0	2738.6	2713.2	2620.7	2444.7	2213.5	2021.1	1861.5	1757.1	1707.9
2844.5	12.5°	2844.5	2835.5	2790.8	2601.3	2277.7	1916.7	1651.2	1473.7	1376.7	1333.5
2957.8	15°	2960.8	2948.9	2860.9	2508.9	2034.5	1588.5	1345.4	1212.7	1150.0	1111.2
3102.5	17.5°	3105.5	3084.6	2913.1	2370.1	1770.5	1338.0	1157.5	1057.5	1002.3	965.1
3291.9	20°	3293.4	3259.1	2954.8	2204.6	1527.4	1179.8	1030.7	947.2	905.4	872.6
3560.4	22.5°	3555.9	3506.7	3005.6	2025.6	1355.9	1071.0	936.7	875.6	841.3	804.0
3934.8	25°	3881.1	3822.9	3068.2	1860.0	1238.0	977.0	868.1	817.4	777.1	733.9
4425.5	27.5°	4336.0	4231.6	3142.8	1724.3	1136.6	896.4	805.5	748.8	702.5	666.7
4981.9	30°	4843.2	4671.7	3208.4	1642.2	1044.1	821.9	723.4	666.7	623.5	598.1
5481.6	32.5°	5323.5	5090.8	3251.7	1606.4	960.6	736.8	633.9	572.8	540.0	532.5
5970.8	35°	5776.9	5469.7	3247.2	1572.1	886.0	651.8	545.9	483.3	457.9	462.4
6497.4	37.5°	6299.0	5873.9	3215.9	1518.4	824.8	574.3	469.9	414.7	392.3	393.8
7137.3	40°	6906.1	6340.7	3196.5	1417.0	757.7	502.7	407.2	362.5	346.0	340.1
7811.4	42.5°	7553.4	6792.7	3199.5	1302.2	674.2	438.5	363.9	326.7	311.7	307.3
8561.7	45°	8203.7	7223.8	3203.9	1182.8	586.2	389.3	332.6	301.3	292.4	286.4
9322.4	47.5°	8815.3	7590.7	3120.4	1054.6	499.7	352.0	307.3	286.4	278.9	271.5
10086.1	50°	9385.1	7835.3	2919.0	905.4	431.1	322.2	287.9	273.0	265.5	258.0
10778.2	52.5°	9828.1	7874.1	2586.4	751.8	383.3	299.8	275.9	262.5	253.6	246.1
11337.6	55°	10025.0	7631.0	2113.6	608.6	346.0	280.4	264.0	250.6	240.1	232.7
11777.6	57.5°	9974.3	7119.4	1648.2	489.2	310.3	261.0	249.1	240.1	228.2	216.3
12134.1	60°	9725.2	6434.7	1242.5	407.2	277.4	240.1	232.7	225.2	208.8	190.9
12271.3	62.5°	9294.1	5574.1	886.0	337.1	241.6	216.3	213.3	207.3	183.5	150.7
12068.4	65°	8634.8	4528.5	596.6	280.4	207.3	189.4	190.9	180.5	149.2	111.9
11325.6	67.5°	7671.2	3311.3	381.8	229.7	173.0	158.1	159.6	153.6	126.8	95.5
9917.6	70°	6443.7	2192.6	249.1	174.5	138.7	122.3	131.3	132.8	107.4	77.6
7611.6	72.5°	4723.9	1294.7	174.5	129.8	101.4	85.0	107.4	110.4	86.5	58.2
4579.2	75°	2692.3	614.5	131.3	94.0	62.6	59.7	83.5	83.5	59.7	38.8
1982.3	77.5°	1130.6	256.6	92.5	61.2	35.8	34.3	56.7	52.2	29.8	17.9
483.3	80°	326.7	114.9	49.2	29.8	14.9	13.4	22.4	16.4	7.5	3.0
183.5	82.5°	128.3	50.7	19.4	11.9	6.0	6.0	3.0	0.0	0.0	0.0
104.4	85°	76.1	20.9	8.9	4.5	1.5	0.0	0.0	0.0	0.0	0.0
22.4	87.5°	19.4	4.5	3.0	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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2587.9
2570.0
2459.6
2144.9
1703.4
1329.0
1112.7
962.1
866.6
798.0
729.4
659.3
593.7
537.0
462.4
399.7
338.6
305.8
286.4
271.5
258.0
244.6
231.2
214.8
187.9
147.7
108.9
91.0
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