

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: P852923

Luminaire Tested: **GLAN-SB7B-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852923
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25489 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

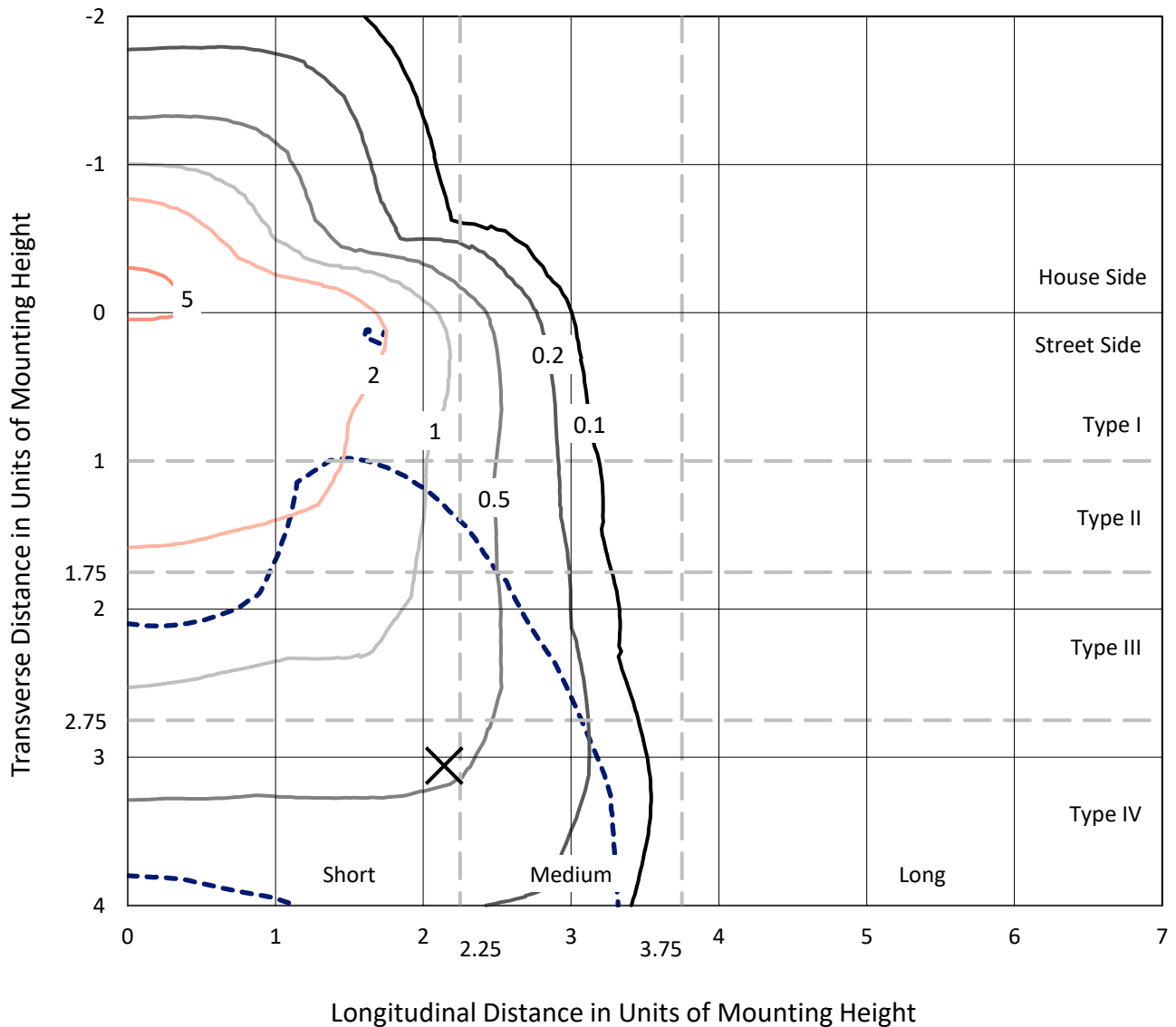
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

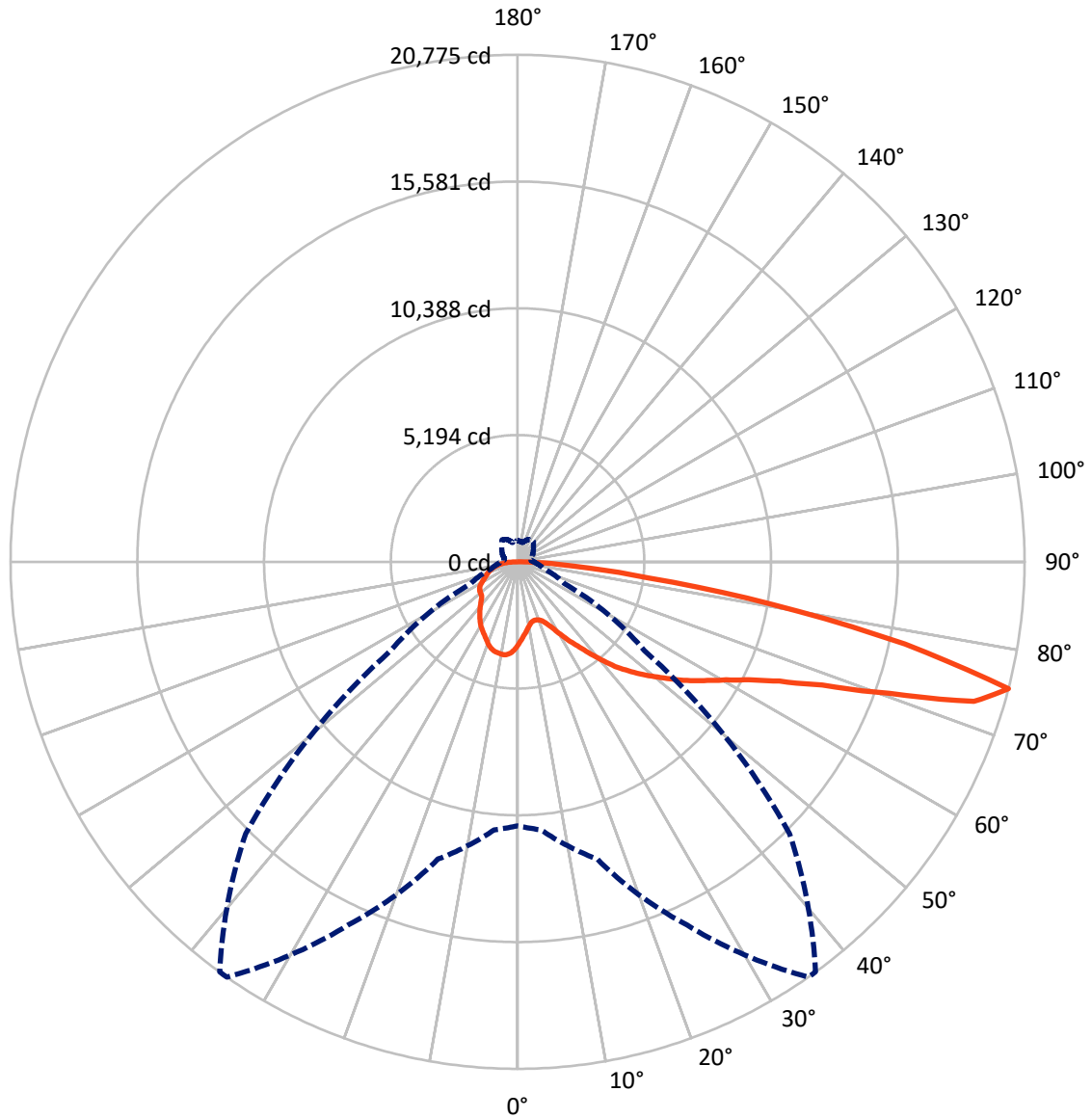
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6065.7	0.0	6065.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	19423.3	0.0	19423.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	25489.0	0.0	25489.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	321.6	1.3
10°-20°	927.6	3.6
20°-30°	1557.7	6.1
30°-40°	2420.9	9.5
40°-50°	3593.2	14.1
50°-60°	4960.6	19.5
60°-70°	6018.4	23.6
70°-80°	4973.7	19.5
80°-90°	715.4	2.8
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°	25489.0	100.0
0°-180°	25489.0	100.0

Coefficient of Utilization



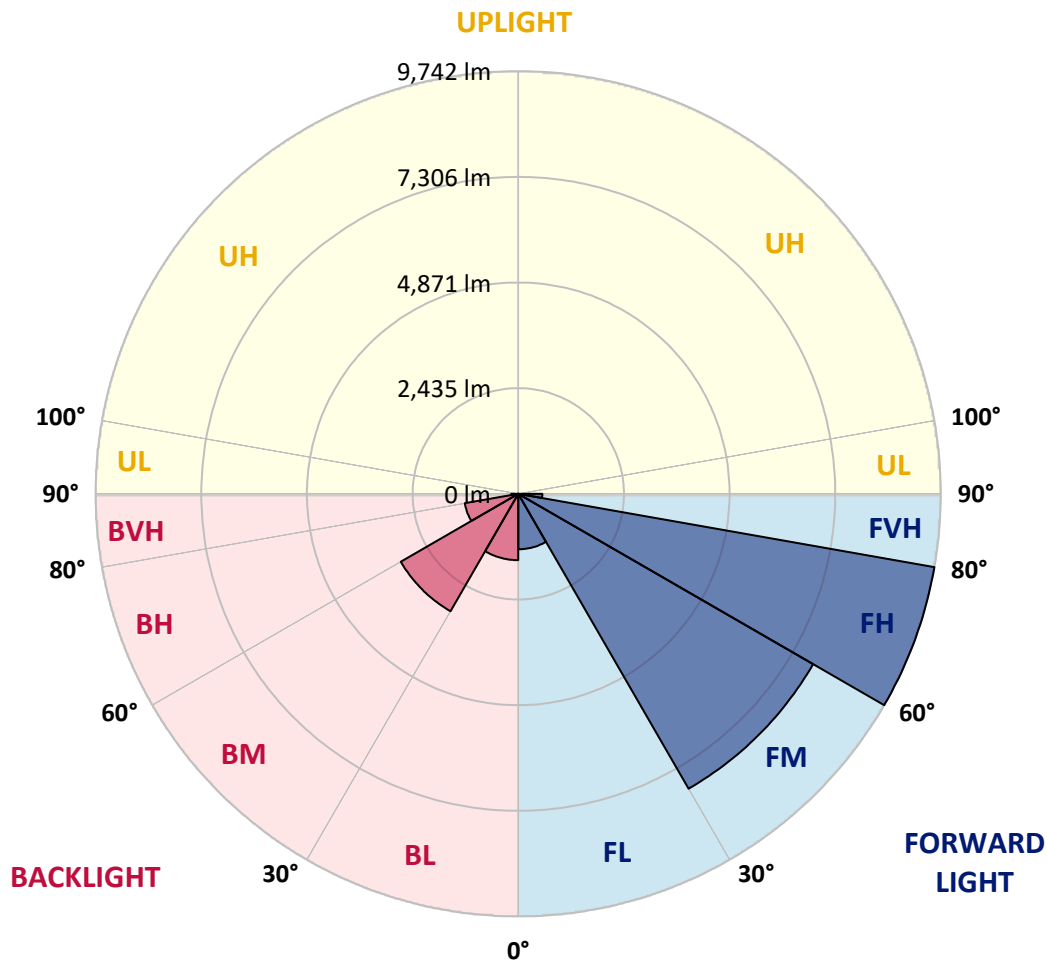
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1278.2	5.0			
FM (30°-60°)	7849.2	30.8			
FH (60°-80°)	9741.5	38.2			G4/12000
FVH (80°-90°)	554.3	2.2			G4/750
BL (0°-30°)	1528.6	6.0	B3/2500		
BM (30°-60°)	3125.4	12.3	B3/5000		
BH (60°-80°)	1250.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	161.1	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6
2.5°	3132.0	3151.3	3159.6	3155.4	3176.1	3173.4	3202.3	3238.1	3287.7	3336.0
5°	2890.9	2911.6	2929.5	2946.0	2986.0	2998.4	3043.8	3112.7	3203.7	3296.0
7.5°	2666.3	2684.2	2711.8	2742.1	2809.6	2822.0	2897.8	3005.3	3132.0	3267.1
10°	2483.0	2500.9	2529.9	2564.3	2648.4	2663.5	2760.0	2903.3	3068.6	3239.5
12.5°	2404.5	2410.0	2426.5	2461.0	2534.0	2543.6	2649.7	2813.7	3006.6	3218.8
15°	2400.3	2411.4	2412.7	2430.7	2491.3	2495.4	2593.3	2755.8	2968.0	3214.7
17.5°	2441.7	2449.9	2437.5	2448.6	2499.6	2506.4	2583.6	2728.3	2955.6	3232.6
20°	2551.9	2558.8	2521.6	2506.4	2543.6	2549.2	2624.9	2746.2	2968.0	3269.8
22.5°	2786.2	2790.3	2699.4	2637.3	2640.1	2642.9	2709.0	2819.2	3016.3	3337.3
25°	3151.3	3148.6	3003.9	2884.0	2815.1	2799.9	2844.0	2937.7	3097.6	3426.9
27.5°	3578.5	3557.8	3413.1	3234.0	3083.8	3061.7	3052.1	3092.1	3213.3	3545.4
30°	4060.7	4041.4	3885.7	3651.5	3443.4	3407.6	3316.7	3296.0	3385.6	3706.6
32.5°	4589.9	4577.5	4391.4	4107.6	3829.2	3787.9	3635.0	3579.8	3650.1	3950.5
35°	5033.6	5022.5	4868.2	4576.1	4235.7	4184.8	4029.0	3967.0	4002.9	4263.3
37.5°	5434.5	5429.0	5296.7	5066.6	4715.3	4653.2	4478.3	4457.6	4450.7	4675.3
40°	5806.6	5792.8	5655.0	5533.7	5273.3	5216.8	5062.5	5044.6	4992.2	5182.4
42.5°	6218.6	6182.7	5982.9	5926.4	5856.2	5809.3	5717.0	5719.8	5604.0	5754.2
45°	6554.8	6534.1	6328.8	6295.7	6371.5	6352.2	6432.1	6452.8	6228.2	6353.6
47.5°	6915.8	6896.5	6722.9	6699.5	6904.8	6910.3	7192.8	7199.7	6837.3	6976.4
50°	7360.9	7333.3	7161.1	7190.0	7420.1	7440.8	7957.5	7910.7	7398.1	7608.9
52.5°	7654.4	7670.9	7633.7	7680.5	7994.7	8014.0	8709.9	8590.0	7953.4	8233.1
55°	7870.7	7903.8	8019.5	8127.0	8601.0	8620.3	9419.5	9236.2	8413.6	8811.8
57.5°	8149.0	8102.2	8318.5	8528.0	9177.0	9228.0	10109.8	9859.0	8821.5	9310.6
60°	8548.6	8515.6	8683.7	8993.7	9821.8	9903.1	10840.1	10419.9	9120.5	9706.1
62.5°	9358.9	9276.2	9302.4	9576.6	10634.8	10742.3	11664.1	10909.0	9269.3	9860.4
65°	10570.1	10428.1	10295.8	10486.0	11779.9	11886.0	12594.2	11293.5	9214.2	9561.4
67.5°	12095.4	11954.9	11792.3	11971.4	13466.4	13550.5	13742.0	11509.8	8780.1	8409.5
70°	13353.5	13301.1	13495.4	14232.6	16160.3	16163.0	15213.7	11330.7	7591.0	5962.3
72.5°	13186.7	13155.0	14178.8	16457.9	19555.5	19482.5	16606.7	9974.8	5113.5	2689.7
75°	10818.1	11023.4	12609.4	16418.0	20775.0	20765.3	15753.8	6341.2	2115.1	1114.7
77.5°	5801.1	6126.2	8186.2	12121.6	16218.2	16462.1	11075.7	2218.5	908.1	713.8
80°	1891.9	2175.7	3262.9	6171.7	10538.4	10492.9	4746.9	870.8	621.4	505.7
82.5°	803.3	836.4	1457.8	2914.3	5408.4	5324.3	1511.6	500.2	436.8	345.9
85°	314.2	351.4	643.5	1347.6	2342.5	2291.5	545.7	248.0	279.7	226.0
87.5°	103.3	125.4	230.1	461.6	728.9	702.7	133.7	85.4	121.3	103.3
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°
3396.6	0°	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6	3396.6
3406.2	2.5°	3425.5	3447.6	3473.7	3512.3	3545.4	3573.0	3601.9	3619.8	3626.7	3647.4
3411.7	5°	3450.3	3498.5	3563.3	3626.7	3688.7	3725.9	3759.0	3775.5	3790.7	3801.7
3426.9	7.5°	3491.7	3553.7	3655.6	3738.3	3790.7	3821.0	3843.0	3837.5	3843.0	3845.8
3443.4	10°	3527.5	3614.3	3735.6	3814.1	3854.1	3855.4	3849.9	3830.6	3821.0	3822.4
3468.2	12.5°	3570.2	3666.7	3797.6	3863.7	3874.7	3844.4	3821.0	3787.9	3775.5	3770.0
3505.4	15°	3628.1	3738.3	3865.1	3889.9	3862.3	3823.7	3783.8	3730.0	3702.5	3680.4
3568.8	17.5°	3698.3	3819.6	3917.4	3899.5	3840.3	3776.9	3712.1	3630.8	3574.3	3550.9
3655.6	20°	3796.2	3905.0	3957.4	3878.9	3789.3	3692.8	3582.6	3483.4	3431.0	3407.6
3765.9	22.5°	3914.7	4019.4	3996.0	3843.0	3716.3	3561.9	3424.1	3351.1	3324.9	3308.4
3907.8	25°	4056.6	4146.2	4023.5	3790.7	3596.4	3388.3	3282.2	3258.8	3246.4	3234.0
4081.4	27.5°	4241.2	4289.5	4044.2	3713.5	3409.0	3203.7	3165.1	3169.2	3165.1	3144.4
4322.5	30°	4485.1	4475.5	4063.5	3588.1	3194.0	3036.9	3039.7	3057.6	3060.4	3046.6
4658.8	32.5°	4806.2	4708.4	4073.1	3425.5	2988.7	2890.9	2893.6	2912.9	2926.7	2903.3
5098.3	35°	5194.8	4979.8	4058.0	3221.6	2830.3	2751.7	2731.0	2736.6	2740.7	2718.6
5631.6	37.5°	5648.1	5284.3	3990.5	2995.6	2699.4	2615.3	2571.2	2534.0	2512.0	2491.3
6235.1	40°	6145.5	5616.4	3866.5	2775.1	2553.3	2470.6	2404.5	2334.2	2259.8	2232.2
6874.5	42.5°	6666.4	5958.1	3716.3	2564.3	2385.2	2317.7	2247.4	2145.4	2033.8	1977.3
7538.6	45°	7206.5	6308.1	3568.8	2356.2	2212.9	2184.0	2102.7	1980.1	1858.8	1787.2
8204.2	47.5°	7735.7	6638.8	3352.5	2146.8	2051.7	2083.4	2020.0	1907.0	1772.0	1659.0
8864.2	50°	8241.4	6948.9	2998.4	1934.6	1920.8	2053.1	1992.5	1829.9	1675.6	1530.9
9511.8	52.5°	8742.9	7199.7	2545.0	1741.7	1850.6	2044.8	1956.7	1777.5	1588.7	1437.2
10120.8	55°	9168.7	7329.2	2108.2	1576.3	1748.6	1974.6	1913.9	1715.5	1466.1	1304.9
10538.4	57.5°	9411.2	7224.5	1744.5	1413.7	1608.0	1858.8	1840.9	1583.2	1320.1	1196.0
10619.7	60°	9306.5	6800.1	1446.8	1271.8	1474.4	1733.4	1714.1	1452.3	1208.4	1091.3
10184.2	62.5°	8729.1	5991.2	1211.2	1147.8	1353.1	1605.3	1587.4	1351.7	1123.0	1010.0
9028.2	65°	7566.2	4873.7	1027.9	1044.5	1230.5	1451.0	1477.1	1267.7	1055.5	945.3
6984.7	67.5°	5770.7	3530.2	884.6	954.9	1110.6	1299.4	1375.2	1207.1	999.0	894.3
4041.4	70°	3289.1	2004.9	763.4	868.1	1004.5	1158.8	1296.6	1158.8	938.4	851.6
1514.3	72.5°	1247.0	920.5	660.0	781.3	902.5	1040.3	1209.8	1083.0	868.1	803.3
782.7	75°	665.5	560.8	555.3	679.3	785.4	924.6	1101.0	1008.6	815.7	848.8
541.5	77.5°	453.3	396.8	464.4	581.5	657.3	796.4	985.2	895.7	706.9	704.1
374.8	80°	314.2	281.1	377.6	468.5	508.5	669.7	859.8	768.9	576.0	537.4
231.5	82.5°	188.8	183.3	282.5	350.0	359.6	516.7	712.4	644.9	471.2	410.6
137.8	85°	103.3	108.9	180.5	205.3	209.4	361.0	558.1	498.8	362.4	304.5
49.6	87.5°	28.9	37.2	66.1	81.3	100.6	187.4	332.1	296.3	181.9	126.8
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°
3396.6
3646.0
3804.4
3849.9
3825.1
3767.2
3687.3
3552.3
3404.8
3311.2
3234.0
3148.6
3053.5
2914.3
2733.8
2505.1
2244.6
1984.2
1781.7
1646.6
1518.5
1420.6
1291.1
1179.5
1074.8
992.1
927.3
877.7
840.5
792.3
876.4
649.0
514.0
413.4
307.3
126.8
0.0

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