

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: P849388

Luminaire Tested: **GLAN-SB6B-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849388
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6B-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22005 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

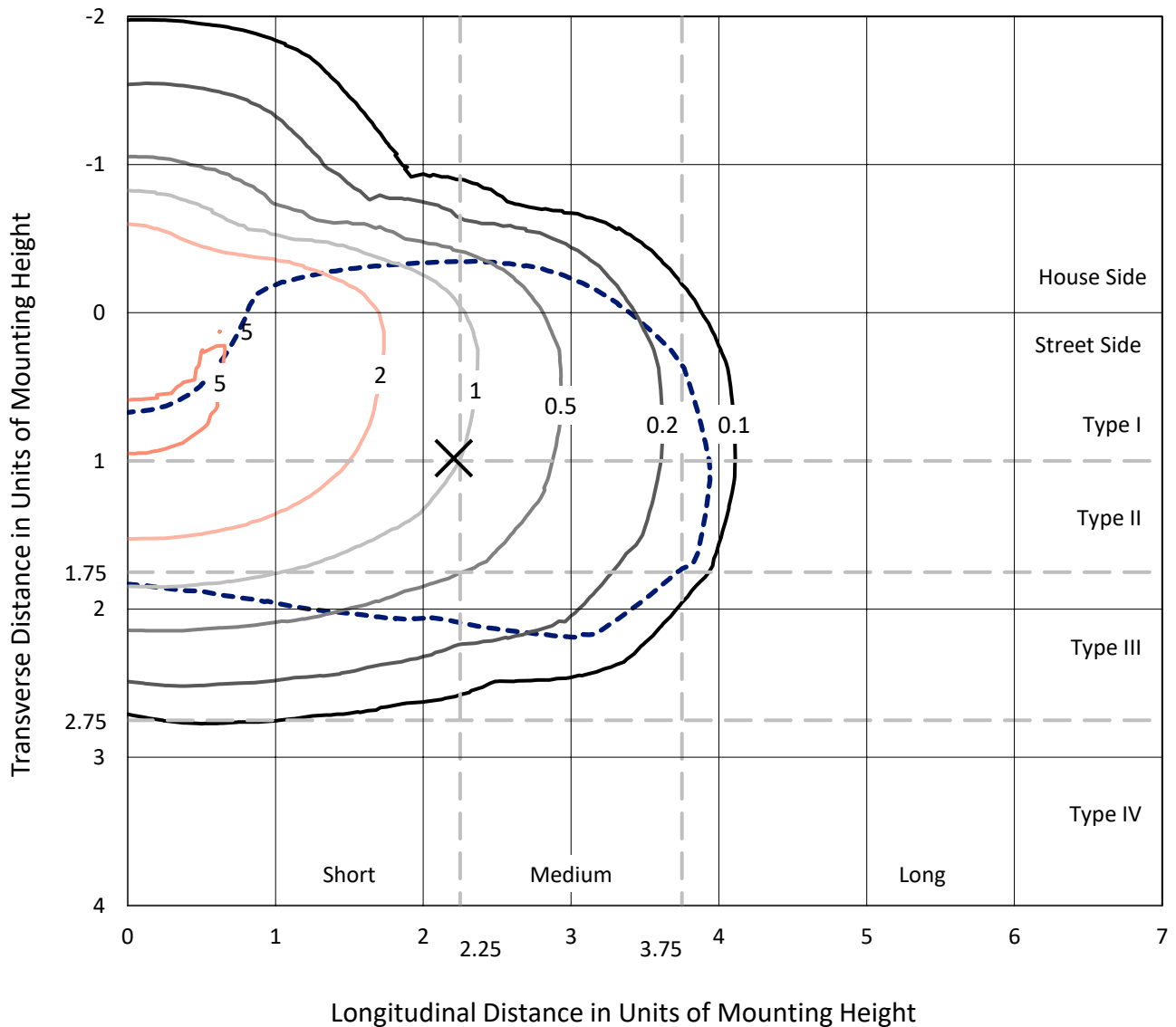
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

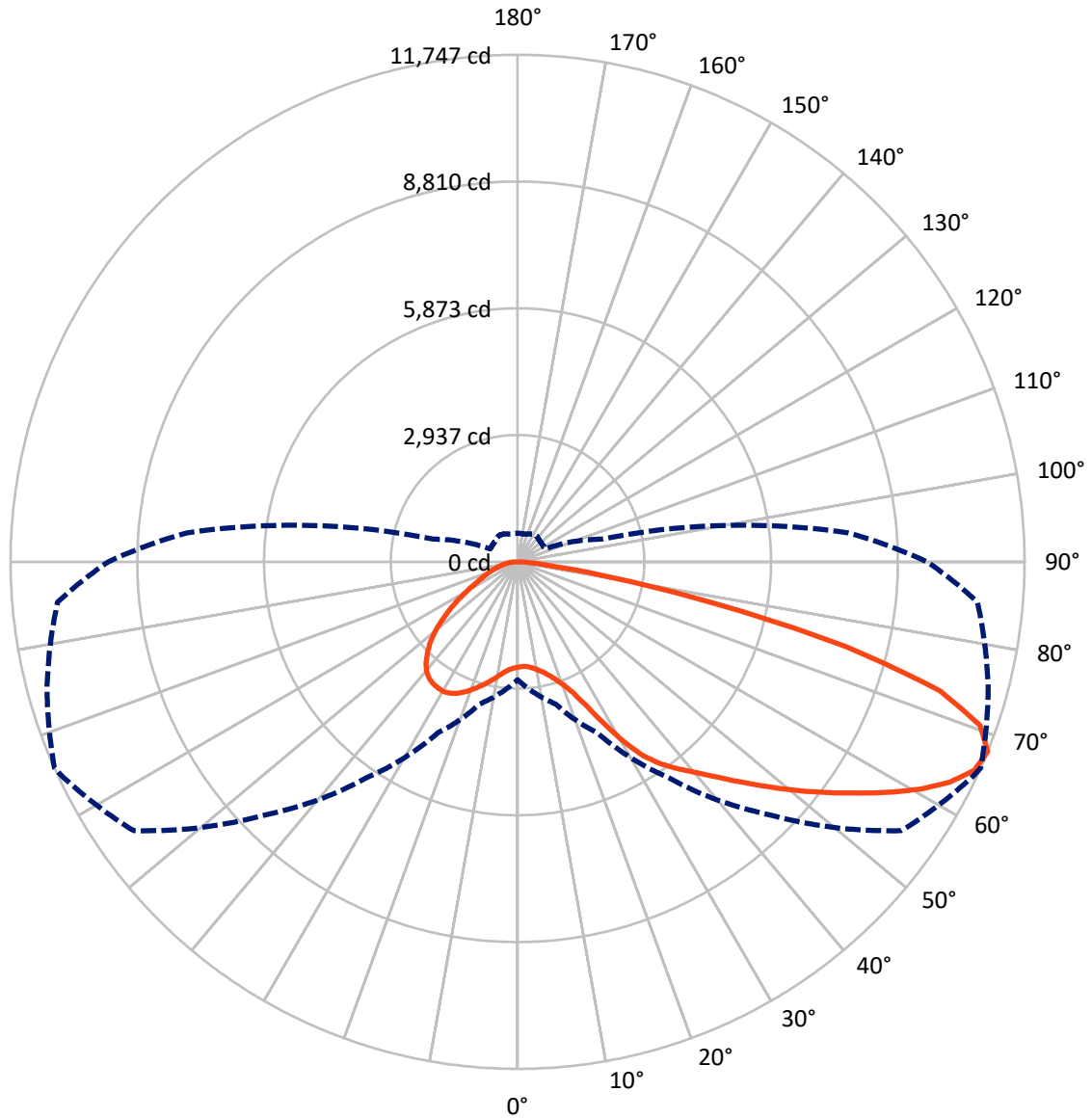
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5471.5	0.0	5471.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	16533.5	0.0	16533.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	22005.0	0.0	22005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.0	1.1
10°-20°	799.5	3.6
20°-30°	1540.9	7.0
30°-40°	2701.8	12.3
40°-50°	4016.7	18.3
50°-60°	5091.6	23.1
60°-70°	4982.0	22.6
70°-80°	2376.5	10.8
80°-90°	254.0	1.2
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°	22005.0	100.0
0°-180°	22005.0	100.0

Coefficient of Utilization



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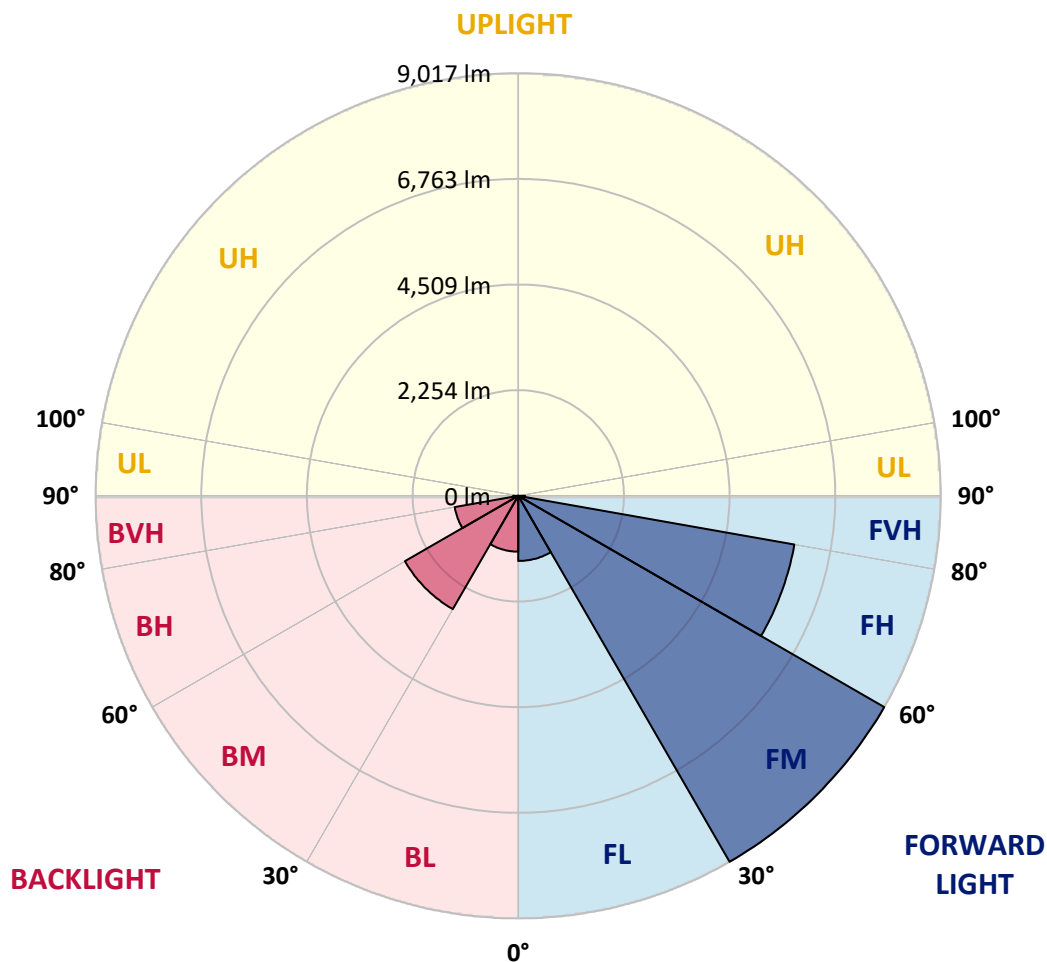
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1390.5	6.3			
FM (30°-60°)	9017.5	41.0			
FH (60°-80°)	5981.6	27.2			G3/7500
FVH (80°-90°)	144.0	0.7			G2/225
BL (0°-30°)	1191.9	5.4	B3/2500		
BM (30°-60°)	2792.7	12.7	B3/5000		
BH (60°-80°)	1376.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	110.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6
2.5°	2415.2	2429.1	2425.6	2419.8	2418.7	2421.0	2424.5	2427.9	2426.8	2432.6
5°	2408.3	2422.1	2421.0	2421.0	2425.6	2434.9	2440.6	2446.4	2440.6	2447.6
7.5°	2412.9	2423.3	2427.9	2432.6	2444.1	2461.5	2475.3	2488.0	2481.1	2489.2
10°	2471.9	2480.0	2484.6	2484.6	2492.7	2512.3	2526.2	2549.3	2543.5	2556.3
12.5°	2579.4	2587.5	2587.5	2582.9	2588.6	2601.4	2606.0	2631.4	2621.0	2641.8
15°	2711.2	2727.4	2714.7	2706.6	2708.9	2721.6	2720.4	2740.1	2729.7	2747.0
17.5°	2856.9	2877.7	2856.9	2855.7	2851.1	2865.0	2866.1	2883.5	2865.0	2877.7
20°	3029.1	3058.0	3040.7	3046.5	3036.1	3041.8	3047.6	3073.1	3044.2	3053.4
22.5°	3271.9	3306.6	3288.1	3310.1	3303.1	3298.5	3297.4	3342.4	3297.4	3300.8
25°	3625.7	3667.3	3635.0	3665.0	3665.0	3680.0	3697.4	3755.2	3680.0	3658.1
27.5°	4148.3	4189.9	4126.3	4144.8	4139.0	4176.0	4157.5	4300.9	4220.0	4184.1
30°	4777.2	4851.2	4731.0	4726.4	4720.6	4779.5	4806.1	4900.9	4818.9	4783.0
32.5°	5457.1	5534.5	5391.2	5349.5	5327.6	5363.4	5341.4	5417.7	5361.1	5305.6
35°	6176.2	6252.5	6116.1	6035.1	5947.3	5872.1	5793.5	5813.2	5760.0	5675.6
37.5°	6856.0	6995.9	6851.4	6764.7	6602.8	6456.0	6236.3	6145.0	6095.3	6017.8
40°	7548.5	7628.3	7518.5	7444.5	7268.8	7038.7	6687.2	6494.1	6427.1	6351.9
42.5°	8058.4	8134.7	8075.7	8024.9	7887.3	7620.2	7165.9	6924.2	6827.1	6742.7
45°	8463.1	8519.7	8482.7	8501.2	8442.3	8183.3	7661.8	7385.5	7284.9	7182.0
47.5°	8626.1	8686.2	8745.2	8855.0	8955.6	8764.8	8194.8	7885.0	7778.6	7673.4
50°	8607.6	8668.9	8840.0	9073.5	9385.7	9322.1	8756.7	8416.8	8318.5	8198.3
52.5°	8459.6	8529.0	8748.6	9137.1	9634.2	9739.5	9329.0	8966.0	8873.5	8730.1
55°	8071.1	8112.7	8442.3	8992.6	9693.2	10030.8	9889.8	9551.0	9458.5	9258.5
57.5°	7350.8	7411.0	7890.8	8603.0	9545.2	10228.5	10382.3	10166.1	10077.1	9789.2
60°	6410.9	6506.8	7056.0	7948.6	9168.3	10227.4	10829.7	10770.7	10696.8	10311.8
62.5°	5347.2	5458.2	5986.6	7023.6	8509.3	9937.2	11109.5	11277.1	11239.0	10793.9
65°	4106.7	4183.0	4709.0	5827.0	7483.8	9314.0	11141.9	11622.8	11629.8	11160.4
67.5°	2734.3	2954.0	3410.7	4372.6	6110.3	8295.4	10857.5	11679.5	11746.5	11286.4
70°	1334.2	1623.2	2070.7	2841.8	4372.6	6733.5	10114.1	11214.7	11363.9	10918.7
72.5°	553.8	647.4	891.4	1402.4	2510.0	4543.7	8620.3	9954.5	10230.8	9674.7
75°	373.4	404.7	509.9	719.1	1143.4	2240.6	6216.7	7422.5	7867.6	7306.9
77.5°	287.9	307.5	371.1	502.9	679.8	847.5	3327.4	4473.2	4703.2	4354.1
80°	226.6	241.6	277.5	366.5	482.1	453.2	1134.2	2026.7	2159.7	1811.7
82.5°	196.5	202.3	198.9	248.6	320.3	264.8	372.3	748.0	825.5	598.9
85°	142.2	158.4	165.3	153.8	170.0	134.1	152.6	264.8	291.4	260.1
87.5°	57.8	85.6	105.2	99.4	62.4	38.2	47.4	77.5	89.0	97.1
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°
2440.6	0°	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6	2440.6
2441.8	2.5°	2443.0	2451.1	2456.8	2463.8	2468.4	2475.3	2489.2	2497.3	2498.5	2504.2
2460.3	5°	2464.9	2476.5	2489.2	2507.7	2528.5	2545.9	2572.4	2590.9	2597.9	2603.7
2505.4	7.5°	2512.3	2528.5	2551.6	2584.0	2614.1	2637.2	2669.6	2691.5	2713.5	2721.6
2577.1	10°	2582.9	2606.0	2639.5	2683.4	2715.8	2745.9	2779.4	2797.9	2819.9	2829.1
2662.6	12.5°	2670.7	2695.0	2738.9	2800.2	2830.3	2851.1	2862.6	2858.0	2862.6	2870.7
2765.5	15°	2771.3	2797.9	2847.6	2913.5	2934.3	2915.8	2890.4	2867.3	2863.8	2866.1
2890.4	17.5°	2890.4	2910.0	2967.9	3023.3	3008.3	2932.0	2876.5	2839.5	2821.0	2815.2
3049.9	20°	3056.9	3056.9	3104.3	3139.0	3038.4	2908.9	2822.2	2762.1	2723.9	2707.7
3267.3	22.5°	3259.2	3240.7	3270.8	3246.5	3032.6	2844.1	2723.9	2619.8	2562.0	2538.9
3571.4	25°	3515.9	3493.9	3485.8	3335.5	2991.0	2741.2	2545.9	2419.8	2369.0	2356.2
4009.5	27.5°	3903.2	3847.7	3742.5	3384.1	2914.7	2579.4	2337.7	2221.0	2192.1	2193.2
4572.6	30°	4418.8	4307.8	4050.0	3392.2	2789.8	2350.5	2125.0	2041.8	2027.9	2033.7
5045.5	32.5°	4896.3	4791.1	4364.5	3355.2	2597.9	2126.2	1934.2	1878.8	1857.9	1864.9
5406.2	35°	5270.9	5242.0	4655.8	3303.1	2362.0	1915.8	1763.1	1715.7	1675.3	1666.0
5746.1	37.5°	5624.7	5613.1	4874.4	3230.3	2128.5	1766.6	1625.6	1563.1	1504.2	1471.8
6121.8	40°	6013.2	6001.6	5017.7	3118.2	1921.5	1637.1	1501.8	1419.8	1346.9	1288.0
6547.3	42.5°	6450.2	6382.0	5085.9	2957.4	1745.8	1527.3	1401.3	1290.3	1194.3	1140.0
7028.3	45°	6927.7	6773.9	5084.8	2752.8	1597.8	1426.7	1293.7	1136.5	1047.5	996.6
7522.0	47.5°	7434.1	7148.5	5022.3	2526.2	1454.4	1315.7	1127.3	1007.0	948.0	916.8
8058.4	50°	7956.7	7498.8	4916.0	2266.1	1307.6	1189.7	1023.2	941.1	896.0	867.1
8590.2	52.5°	8448.0	7816.8	4787.6	1971.2	1158.5	1067.1	977.0	913.4	866.0	833.6
9105.9	55°	8904.7	8090.8	4606.1	1669.5	1037.1	985.0	955.0	901.8	847.5	809.3
9629.6	57.5°	9310.5	8268.8	4292.8	1386.2	950.4	928.4	931.9	882.1	819.7	787.3
10145.3	60°	9648.1	8399.5	3829.2	1123.8	879.8	872.9	896.0	845.2	772.3	735.3
10581.1	62.5°	9850.4	8397.2	3260.4	920.3	819.7	822.0	848.6	798.9	724.9	690.2
10808.9	65°	9833.1	8191.4	2636.0	787.3	761.9	764.2	798.9	748.0	685.6	664.8
10694.4	67.5°	9485.1	7689.6	2022.1	700.6	698.3	708.7	749.2	713.3	661.3	659.0
10012.3	70°	8542.8	6647.9	1456.8	631.3	632.4	647.4	700.6	691.4	648.6	653.2
8418.0	72.5°	6850.2	5068.6	978.1	558.4	559.6	583.9	654.4	674.0	635.9	697.2
5972.7	75°	4562.2	3160.9	628.9	481.0	482.1	513.3	613.9	640.5	601.2	694.8
3107.7	77.5°	2192.1	1420.9	455.5	404.7	404.7	433.6	530.7	573.5	512.2	539.9
998.9	80°	757.3	534.1	358.4	326.0	319.1	338.8	447.4	497.1	441.7	407.0
326.0	82.5°	298.3	277.5	287.9	253.2	230.1	242.8	348.0	410.4	324.9	293.7
183.8	85°	171.1	180.4	203.5	167.6	133.0	149.1	255.5	294.8	245.1	216.2
60.1	87.5°	46.2	63.6	93.6	86.7	60.1	63.6	121.4	163.0	141.1	108.7
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°
2440.6
2503.1
2602.5
2722.7
2833.7
2873.0
2874.2
2823.3
2704.2
2535.5
2358.6
2196.7
2053.3
1874.1
1673.0
1472.9
1293.7
1143.4
994.3
909.9
856.7
819.7
794.3
766.5
719.1
679.8
663.6
662.5
652.1
706.4
700.6
494.8
381.5
292.5
220.8
112.1
0.0

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