

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: P852651

Luminaire Tested: **GLAN-SB5B-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852651
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-SB5B-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 18105 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

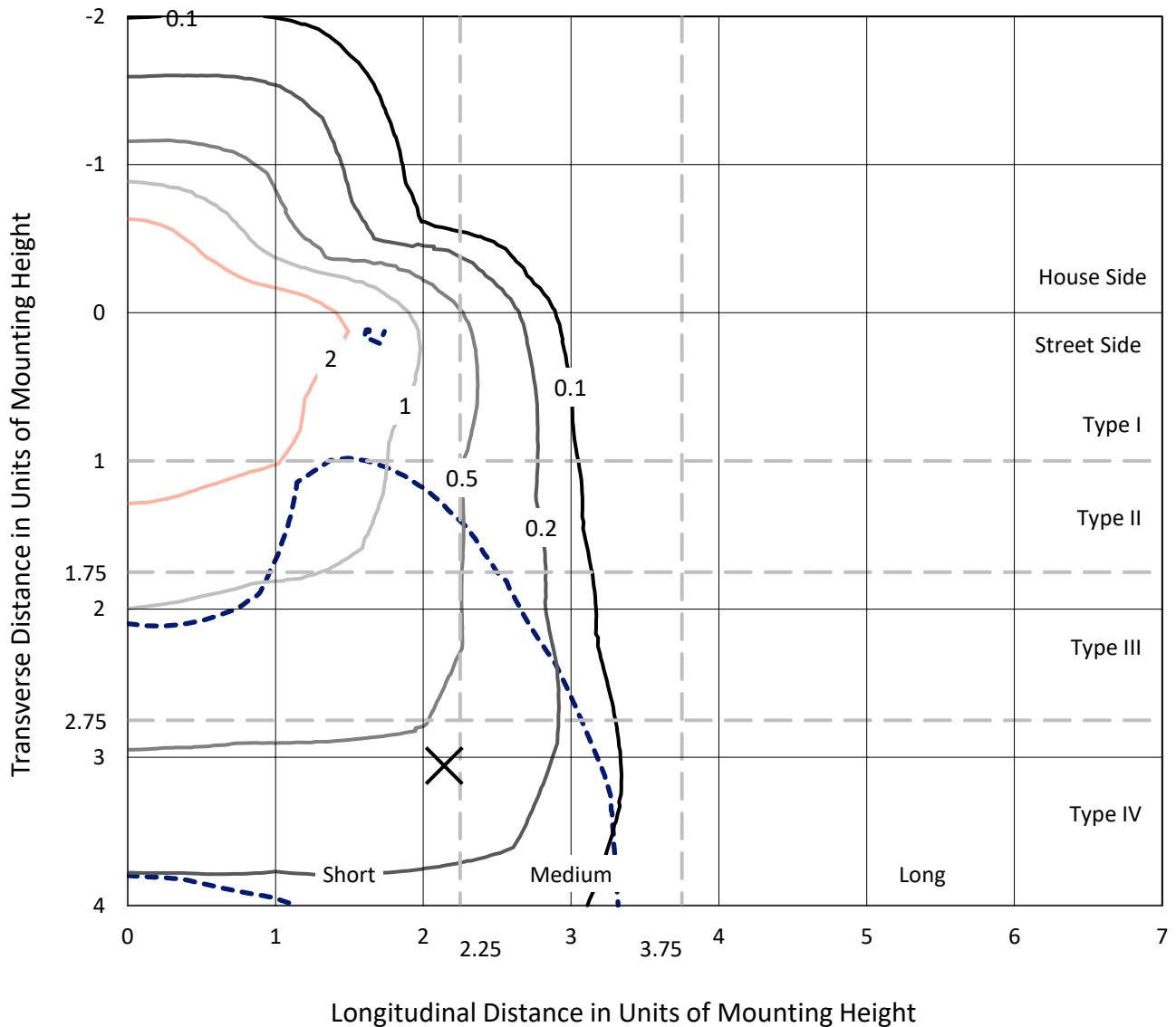
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

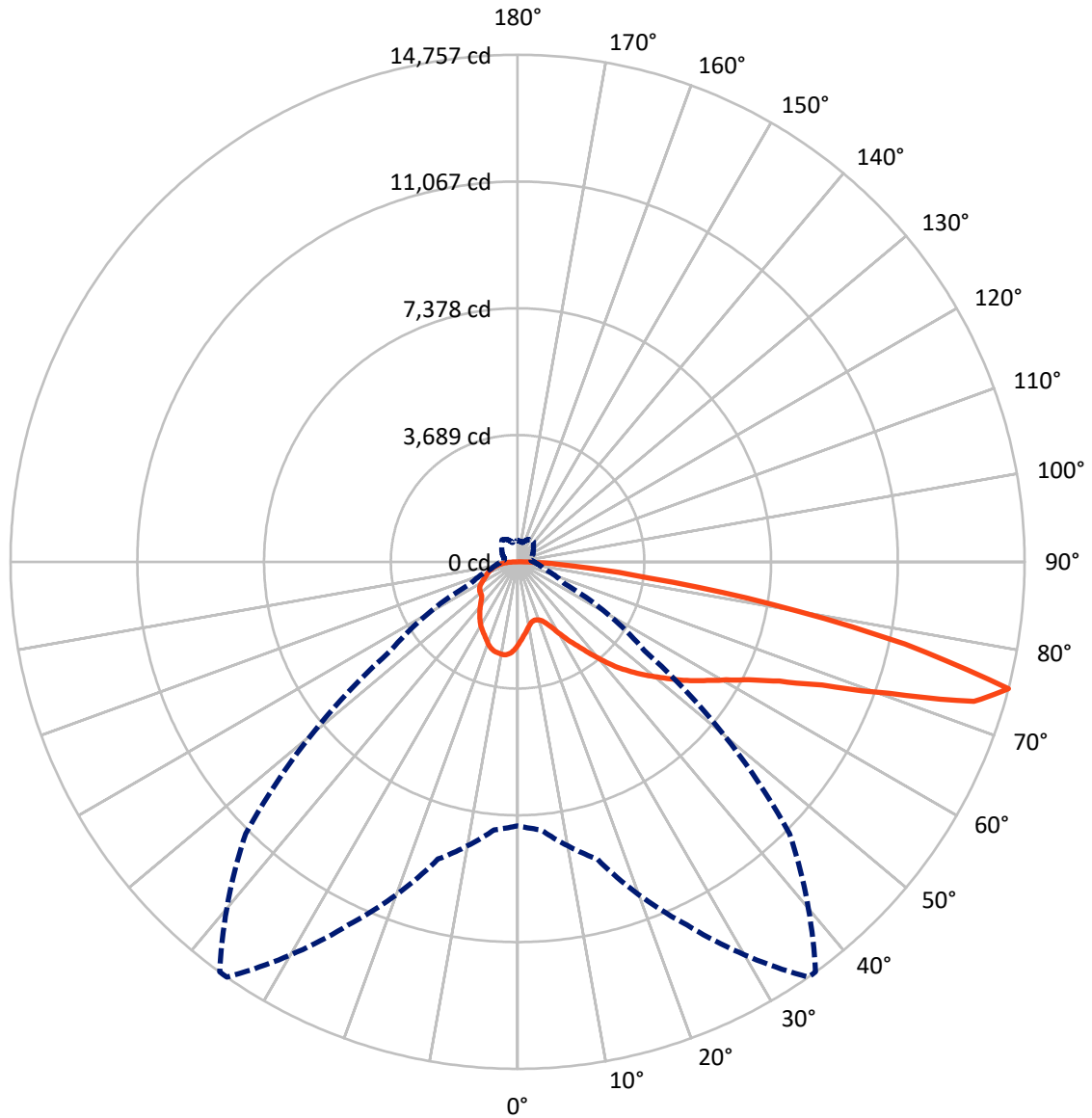
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 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	4308.5	0.0	4308.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	13796.5	0.0	13796.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	18105.0	0.0	18105.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	228.4	1.3
10°-20°	658.9	3.6
20°-30°	1106.4	6.1
30°-40°	1719.6	9.5
40°-50°	2552.3	14.1
50°-60°	3523.6	19.5
60°-70°	4274.9	23.6
70°-80°	3532.9	19.5
80°-90°	508.1	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°	18105.0	100.0
0°-180°	18105.0	100.0

Coefficient of Utilization



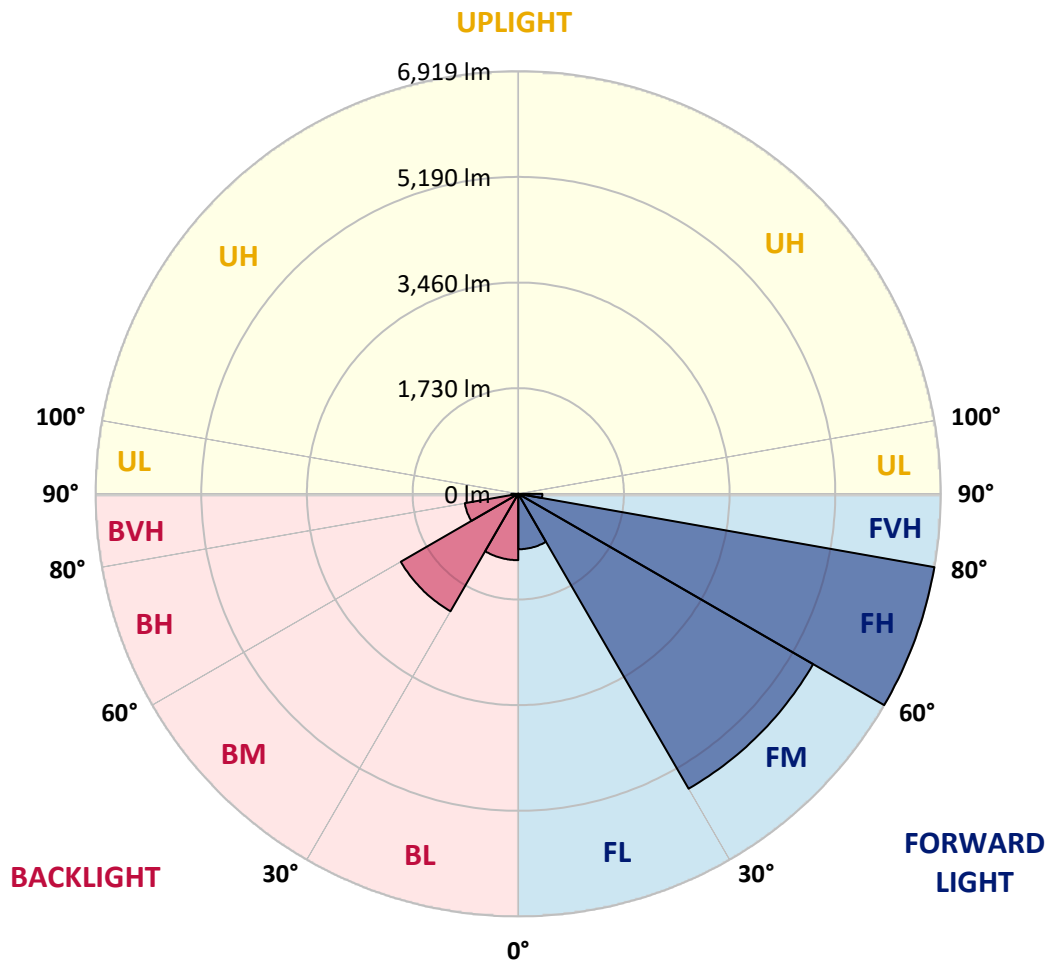
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	907.9	5.0			
FM (30°-60°)	5575.4	30.8			
FH (60°-80°)	6919.5	38.2			G3/7500
FVH (80°-90°)	393.7	2.2			G3/500
BL (0°-30°)	1085.8	6.0	B3/2500		
BM (30°-60°)	2220.0	12.3	B2/2500		
BH (60°-80°)	888.3	4.9	B2/1000		G2/1000
BVH (80°-90°)	114.4	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-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6
2.5°	2224.7	2238.4	2244.3	2241.3	2256.0	2254.1	2274.6	2300.1	2335.3	2369.5
5°	2053.4	2068.1	2080.8	2092.6	2120.9	2129.8	2162.1	2211.0	2275.6	2341.2
7.5°	1893.9	1906.6	1926.2	1947.7	1995.7	2004.5	2058.3	2134.6	2224.7	2320.6
10°	1763.7	1776.4	1797.0	1821.4	1881.2	1891.9	1960.4	2062.2	2179.7	2301.0
12.5°	1707.9	1711.8	1723.6	1748.0	1799.9	1806.8	1882.1	1998.6	2135.6	2286.4
15°	1705.0	1712.8	1713.8	1726.5	1769.6	1772.5	1842.0	1957.5	2108.2	2283.4
17.5°	1734.3	1740.2	1731.4	1739.2	1775.4	1780.3	1835.2	1937.9	2099.4	2296.1
20°	1812.6	1817.5	1791.1	1780.3	1806.8	1810.7	1864.5	1950.6	2108.2	2322.6
22.5°	1979.0	1982.0	1917.4	1873.3	1875.3	1877.2	1924.2	2002.5	2142.5	2370.5
25°	2238.4	2236.4	2133.7	2048.5	1999.6	1988.8	2020.1	2086.7	2200.2	2434.1
27.5°	2541.8	2527.1	2424.4	2297.1	2190.4	2174.8	2167.9	2196.3	2282.4	2518.3
30°	2884.4	2870.7	2760.1	2593.7	2445.9	2420.4	2355.8	2341.2	2404.8	2632.8
32.5°	3260.2	3251.4	3119.3	2917.6	2719.9	2690.6	2581.9	2542.8	2592.7	2806.1
35°	3575.4	3567.5	3457.9	3250.4	3008.7	2972.5	2861.9	2817.8	2843.3	3028.2
37.5°	3860.2	3856.3	3762.3	3598.9	3349.3	3305.2	3180.9	3166.2	3161.4	3320.9
40°	4124.4	4114.7	4016.8	3930.7	3745.7	3705.5	3595.9	3583.2	3546.0	3681.1
42.5°	4417.1	4391.6	4249.7	4209.6	4159.7	4126.4	4060.8	4062.8	3980.6	4087.3
45°	4655.9	4641.2	4495.4	4471.9	4525.7	4512.0	4568.8	4583.5	4423.9	4513.0
47.5°	4912.3	4898.6	4775.3	4758.7	4904.5	4908.4	5109.1	5114.0	4856.5	4955.4
50°	5228.5	5208.9	5086.6	5107.1	5270.6	5285.2	5652.3	5619.0	5254.9	5404.6
52.5°	5436.9	5448.7	5422.3	5455.5	5678.7	5692.4	6186.7	6101.5	5649.3	5848.0
55°	5590.6	5614.1	5696.3	5772.7	6109.3	6123.0	6690.7	6560.5	5976.2	6259.1
57.5°	5788.3	5755.0	5908.7	6057.5	6518.5	6554.7	7181.1	7002.9	6265.9	6613.4
60°	6072.2	6048.7	6168.1	6388.3	6976.5	7034.3	7699.8	7401.3	6478.3	6894.3
62.5°	6647.7	6588.9	6607.5	6802.3	7554.0	7630.3	8285.1	7748.7	6584.0	7003.9
65°	7508.0	7407.2	7313.2	7448.3	8367.3	8442.7	8945.8	8021.8	6544.9	6791.5
67.5°	8591.4	8491.6	8376.1	8503.4	9565.3	9625.0	9761.1	8175.5	6236.6	5973.3
70°	9485.0	9447.9	9585.9	10109.5	11478.8	11480.7	10806.4	8048.2	5391.9	4235.0
72.5°	9366.6	9344.1	10071.3	11690.2	13890.4	13838.5	11795.9	7085.2	3632.1	1910.5
75°	7684.2	7830.0	8956.5	11661.8	14756.6	14749.7	11190.0	4504.2	1502.4	791.8
77.5°	4120.5	4351.5	5814.7	8610.0	11519.9	11693.1	7867.2	1575.8	645.0	507.0
80°	1343.8	1545.4	2317.7	4383.8	7485.5	7453.2	3371.8	618.6	441.4	359.2
82.5°	570.6	594.1	1035.5	2070.1	3841.6	3781.9	1073.7	355.3	310.3	245.7
85°	223.2	249.6	457.1	957.2	1663.9	1627.7	387.6	176.2	198.7	160.5
87.5°	73.4	89.1	163.5	327.9	517.8	499.2	94.9	60.7	86.1	73.4
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°
2412.6	0°	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6	2412.6
2419.5	2.5°	2433.2	2448.8	2467.4	2494.8	2518.3	2537.9	2558.4	2571.2	2576.1	2590.7
2423.4	5°	2450.8	2485.0	2531.0	2576.1	2620.1	2646.5	2670.0	2681.8	2692.5	2700.4
2434.1	7.5°	2480.1	2524.2	2596.6	2655.3	2692.5	2714.1	2729.7	2725.8	2729.7	2731.7
2445.9	10°	2505.6	2567.3	2653.4	2709.2	2737.6	2738.5	2734.6	2720.9	2714.1	2715.0
2463.5	12.5°	2535.9	2604.4	2697.4	2744.4	2752.2	2730.7	2714.1	2690.6	2681.8	2677.9
2489.9	15°	2577.0	2655.3	2745.4	2763.0	2743.4	2716.0	2687.6	2649.5	2629.9	2614.2
2535.0	17.5°	2627.0	2713.1	2782.6	2769.9	2727.8	2682.7	2636.7	2579.0	2538.9	2522.2
2596.6	20°	2696.5	2773.8	2811.0	2755.2	2691.6	2623.0	2544.7	2474.3	2437.1	2420.4
2674.9	22.5°	2780.6	2855.0	2838.4	2729.7	2639.7	2530.1	2432.2	2380.3	2361.7	2350.0
2775.7	25°	2881.4	2945.1	2857.9	2692.5	2554.5	2406.7	2331.4	2314.7	2305.9	2297.1
2899.1	27.5°	3012.6	3046.8	2872.6	2637.7	2421.4	2275.6	2248.2	2251.1	2248.2	2233.5
3070.3	30°	3185.8	3179.0	2886.3	2548.7	2268.7	2157.2	2159.1	2171.8	2173.8	2164.0
3309.1	32.5°	3413.9	3344.4	2893.2	2433.2	2122.9	2053.4	2055.4	2069.1	2078.9	2062.2
3621.4	35°	3689.9	3537.2	2882.4	2288.3	2010.3	1954.6	1939.9	1943.8	1946.7	1931.1
4000.1	37.5°	4011.9	3753.5	2834.5	2127.8	1917.4	1857.7	1826.3	1799.9	1784.3	1769.6
4428.8	40°	4365.2	3989.4	2746.4	1971.2	1813.6	1754.9	1707.9	1658.0	1605.1	1585.6
4883.0	42.5°	4735.2	4232.1	2639.7	1821.4	1694.2	1646.3	1596.3	1523.9	1444.6	1404.5
5354.7	45°	5118.9	4480.7	2535.0	1673.7	1571.9	1551.3	1493.6	1406.5	1320.3	1269.4
5827.5	47.5°	5494.7	4715.6	2381.3	1524.9	1457.4	1479.9	1434.8	1354.6	1258.7	1178.4
6296.3	50°	5853.9	4935.8	2129.8	1374.2	1364.4	1458.3	1415.3	1299.8	1190.2	1087.4
6756.3	52.5°	6210.2	5114.0	1807.7	1237.1	1314.5	1452.5	1389.8	1262.6	1128.5	1020.8
7188.9	55°	6512.6	5206.0	1497.5	1119.7	1242.0	1402.5	1359.5	1218.5	1041.4	926.9
7485.5	57.5°	6684.8	5131.6	1239.1	1004.2	1142.2	1320.3	1307.6	1124.6	937.6	849.6
7543.2	60°	6610.5	4830.1	1027.7	903.4	1047.3	1231.3	1217.6	1031.6	858.4	775.2
7233.9	62.5°	6200.4	4255.6	860.3	815.3	961.1	1140.2	1127.5	960.2	797.7	717.4
6412.8	65°	5374.3	3461.8	730.1	741.9	874.0	1030.6	1049.2	900.4	749.7	671.4
4961.3	67.5°	4099.0	2507.6	628.4	678.3	788.9	923.0	976.8	857.4	709.6	635.2
2870.7	70°	2336.3	1424.1	542.2	616.6	713.5	823.1	921.0	823.1	666.5	604.9
1075.6	72.5°	885.8	653.8	468.8	555.0	641.1	739.0	859.3	769.3	616.6	570.6
555.9	75°	472.7	398.4	394.4	482.5	557.9	656.7	782.0	716.4	579.4	602.9
384.6	77.5°	322.0	281.9	329.8	413.0	466.9	565.7	699.8	636.2	502.1	500.1
266.2	80°	223.2	199.7	268.2	332.8	361.2	475.7	610.7	546.1	409.1	381.7
164.4	82.5°	134.1	130.2	200.6	248.6	255.5	367.0	506.0	458.1	334.7	291.7
97.9	85°	73.4	77.3	128.2	145.8	148.8	256.4	396.4	354.3	257.4	216.3
35.2	87.5°	20.6	26.4	47.0	57.7	71.4	133.1	235.9	210.4	129.2	90.0
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°
2412.6
2589.8
2702.3
2734.6
2717.0
2675.9
2619.1
2523.2
2418.5
2351.9
2297.1
2236.4
2168.9
2070.1
1941.8
1779.4
1594.4
1409.4
1265.5
1169.6
1078.6
1009.1
917.1
837.8
763.4
704.7
658.7
623.5
597.0
562.8
622.5
461.0
365.1
293.6
218.3
90.0
0.0

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