

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: P852551

Luminaire Tested: **GLAN-SB4C-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852551
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-SB4C-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20014 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

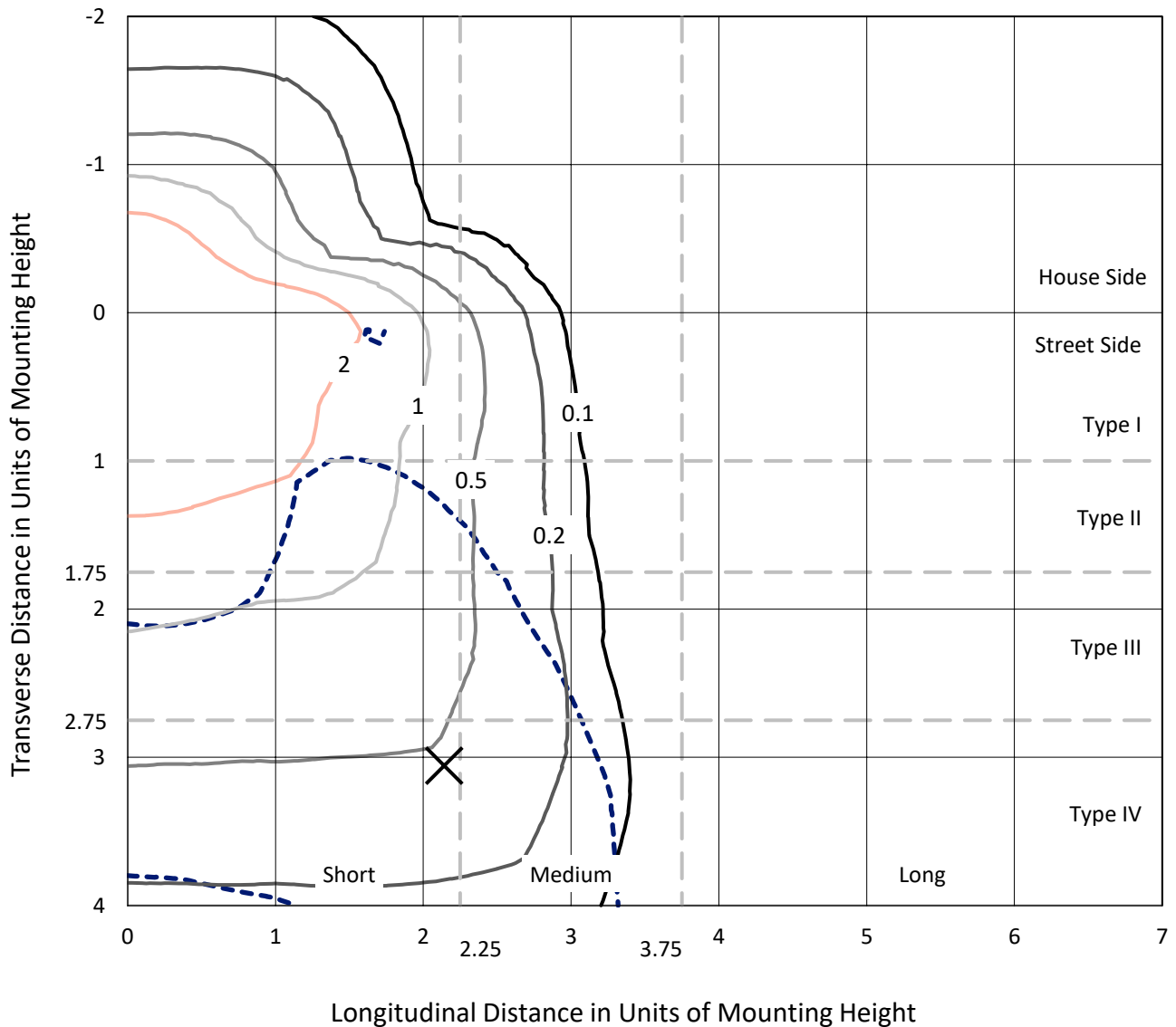
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

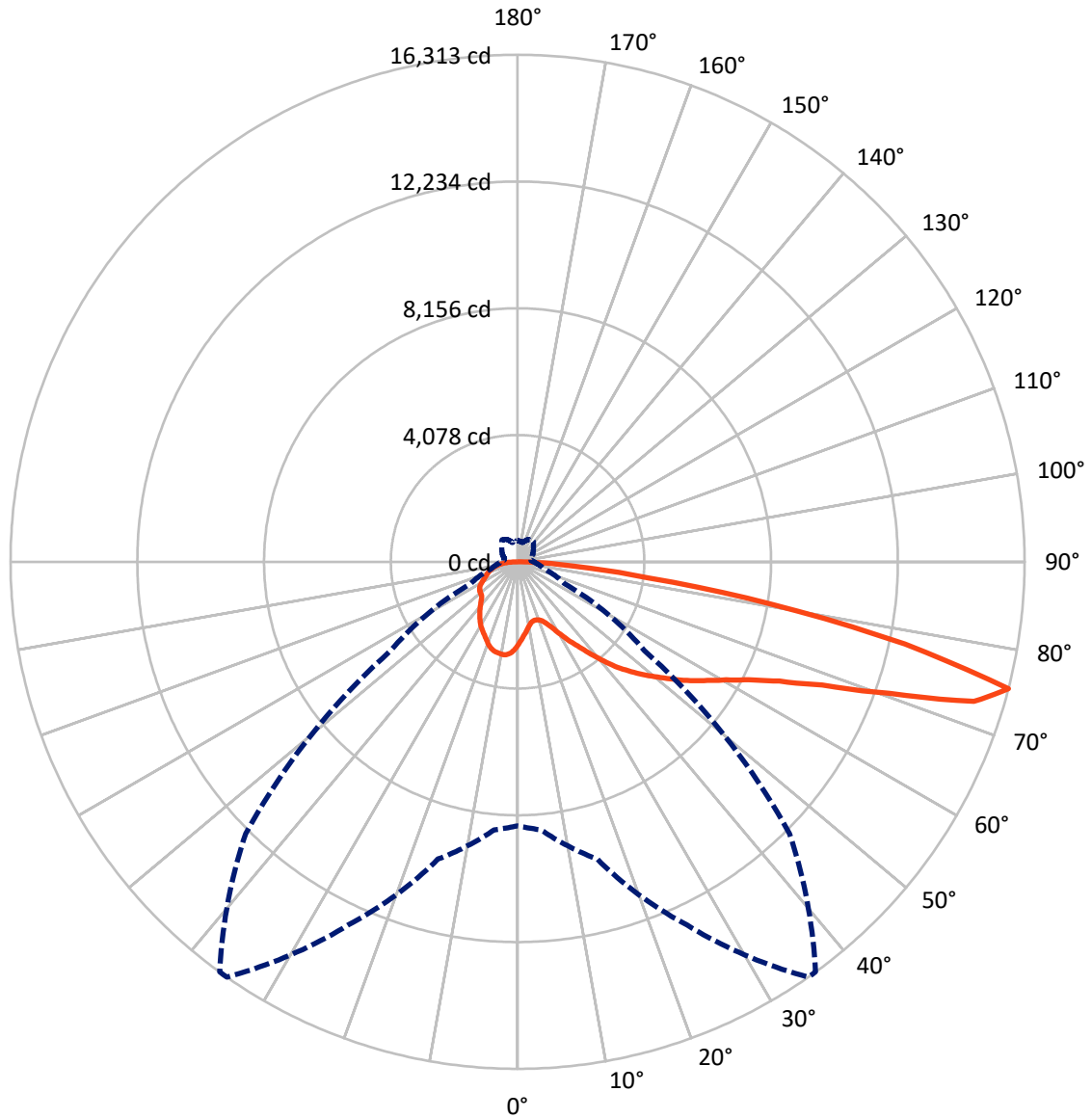
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	4762.8	0.0	4762.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	15251.2	0.0	15251.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	20014.0	0.0	20014.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.5	1.3
10°-20°	728.4	3.6
20°-30°	1223.1	6.1
30°-40°	1900.9	9.5
40°-50°	2821.4	14.1
50°-60°	3895.1	19.5
60°-70°	4725.6	23.6
70°-80°	3905.4	19.5
80°-90°	561.7	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°	20014.0	100.0
0°-180°	20014.0	100.0

Coefficient of Utilization

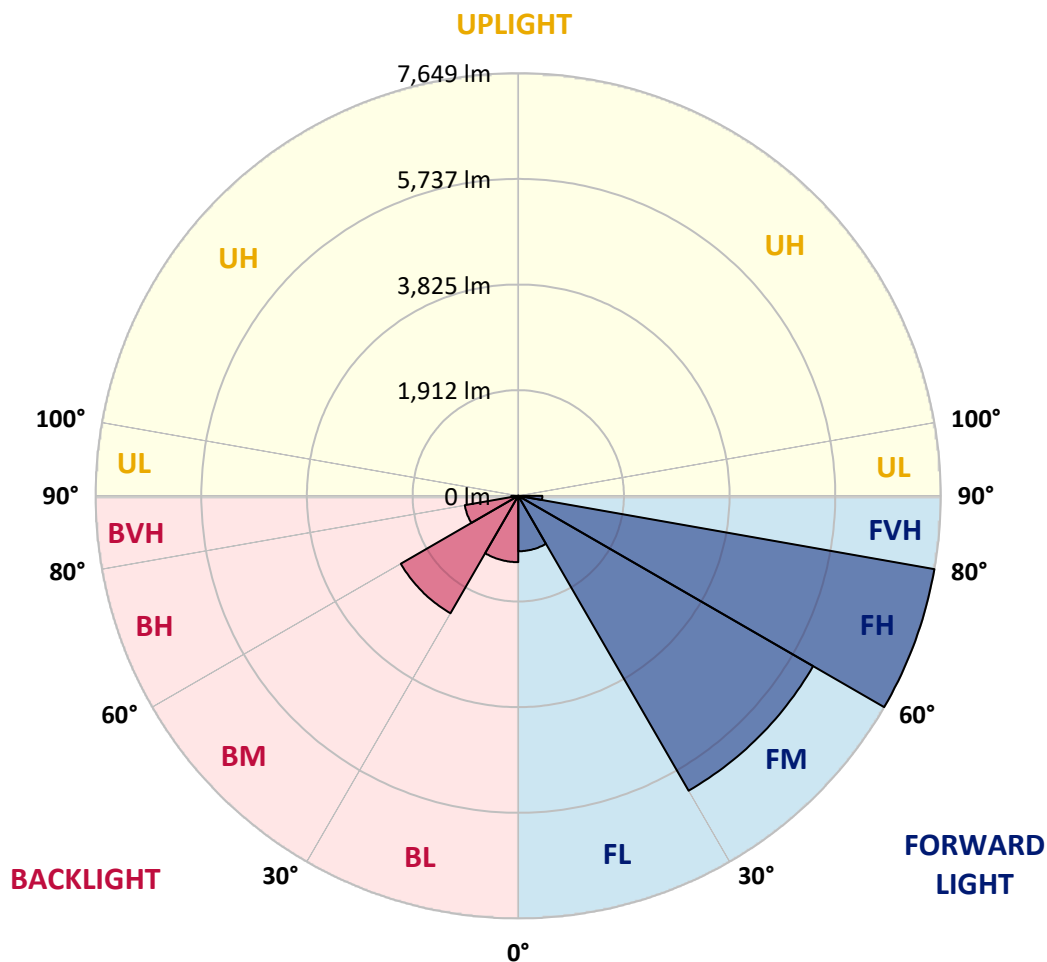


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1003.7	5.0			
FM (30°-60°)	6163.2	30.8			
FH (60°-80°)	7649.1	38.2			G4/12000
FVH (80°-90°)	435.2	2.2			G3/500
BL (0°-30°)	1200.3	6.0	B3/2500		
BM (30°-60°)	2454.1	12.3	B2/2500		
BH (60°-80°)	982.0	4.9	B2/1000		G2/1000
BVH (80°-90°)	126.5	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°	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0
2.5°	2459.3	2474.4	2480.9	2477.7	2493.9	2491.7	2514.4	2542.6	2581.5	2619.4
5°	2269.9	2286.2	2300.2	2313.2	2344.6	2354.3	2390.0	2444.1	2515.5	2588.0
7.5°	2093.6	2107.6	2129.3	2153.1	2206.1	2215.8	2275.3	2359.7	2459.3	2565.3
10°	1949.7	1963.7	1986.5	2013.5	2079.5	2091.4	2167.1	2279.7	2409.5	2543.7
12.5°	1888.0	1892.3	1905.3	1932.4	1989.7	1997.3	2080.6	2209.3	2360.8	2527.4
15°	1884.8	1893.4	1894.5	1908.6	1956.2	1959.4	2036.2	2163.9	2330.5	2524.2
17.5°	1917.2	1923.7	1914.0	1922.6	1962.7	1968.1	2028.7	2142.3	2320.8	2538.2
20°	2003.8	2009.2	1980.0	1968.1	1997.3	2001.6	2061.1	2156.3	2330.5	2567.5
22.5°	2187.7	2190.9	2119.5	2070.8	2073.0	2075.2	2127.1	2213.7	2368.4	2620.5
25°	2474.4	2472.3	2358.6	2264.5	2210.4	2198.5	2233.1	2306.7	2432.2	2690.8
27.5°	2809.8	2793.6	2680.0	2539.3	2421.4	2404.1	2396.5	2427.9	2523.1	2783.9
30°	3188.5	3173.4	3051.1	2867.2	2703.8	2675.7	2604.2	2588.0	2658.3	2910.4
32.5°	3604.0	3594.2	3448.2	3225.3	3006.7	2974.3	2854.2	2810.9	2866.1	3101.9
35°	3952.4	3943.7	3822.5	3593.1	3325.9	3285.9	3163.6	3114.9	3143.1	3347.5
37.5°	4267.2	4262.9	4159.0	3978.3	3702.4	3653.7	3516.3	3500.1	3494.7	3671.0
40°	4559.3	4548.5	4440.3	4345.1	4140.6	4096.3	3975.1	3961.0	3919.9	4069.2
42.5°	4882.8	4854.7	4697.8	4653.5	4598.3	4561.5	4489.0	4491.2	4400.3	4518.2
45°	5146.8	5130.6	4969.4	4943.4	5002.9	4987.8	5050.5	5066.8	4890.4	4988.9
47.5°	5430.3	5415.1	5278.8	5260.4	5421.6	5426.0	5647.8	5653.2	5368.6	5477.9
50°	5779.8	5758.1	5622.9	5645.6	5826.3	5842.5	6248.2	6211.5	5809.0	5974.5
52.5°	6010.2	6023.2	5994.0	6030.8	6277.5	6292.6	6839.0	6744.9	6245.0	6464.6
55°	6180.1	6206.1	6296.9	6381.3	6753.5	6768.7	7396.2	7252.3	6606.4	6919.1
57.5°	6398.6	6361.9	6531.7	6696.2	7205.8	7245.8	7938.2	7741.3	6926.6	7310.7
60°	6712.4	6686.4	6818.4	7061.9	7712.1	7776.0	8511.7	8181.7	7161.4	7621.2
62.5°	7348.6	7283.7	7304.2	7519.5	8350.5	8434.9	9158.7	8565.8	7278.3	7742.4
65°	8299.6	8188.2	8084.3	8233.6	9249.6	9332.9	9889.0	8867.6	7235.0	7507.6
67.5°	9497.3	9387.0	9259.3	9400.0	10573.9	10639.9	10790.3	9037.5	6894.2	6603.1
70°	10485.2	10444.0	10596.6	11175.4	12689.1	12691.2	11945.8	8896.9	5960.4	4681.6
72.5°	10354.2	10329.4	11133.2	12922.8	15355.0	15297.7	13039.6	7832.2	4015.1	2112.0
75°	8494.4	8655.6	9900.9	12891.4	16312.5	16305.0	12369.9	4979.1	1660.8	875.3
77.5°	4555.0	4810.3	6427.9	9517.9	12734.5	12926.0	8696.7	1741.9	713.0	560.4
80°	1485.5	1708.4	2562.1	4846.0	8274.7	8239.0	3727.3	683.8	488.0	397.1
82.5°	630.8	656.7	1144.7	2288.3	4246.6	4180.6	1186.9	392.7	343.0	271.6
85°	246.7	275.9	505.3	1058.1	1839.3	1799.3	428.5	194.8	219.6	177.4
87.5°	81.1	98.5	180.7	362.5	572.4	551.8	104.9	67.1	95.2	81.1
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°
2667.0	0°	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0	2667.0
2674.6	2.5°	2689.7	2707.0	2727.6	2757.9	2783.9	2805.5	2828.2	2842.3	2847.7	2863.9
2678.9	5°	2709.2	2747.1	2797.9	2847.7	2896.4	2925.6	2951.6	2964.5	2976.4	2985.1
2690.8	7.5°	2741.7	2790.3	2870.4	2935.3	2976.4	3000.2	3017.6	3013.2	3017.6	3019.7
2703.8	10°	2769.8	2837.9	2933.2	2994.8	3026.2	3027.3	3023.0	3007.8	3000.2	3001.3
2723.3	12.5°	2803.3	2879.1	2981.8	3033.8	3042.4	3018.6	3000.2	2974.3	2964.5	2960.2
2752.5	15°	2848.8	2935.3	3034.9	3054.3	3032.7	3002.4	2971.0	2928.8	2907.2	2889.9
2802.2	17.5°	2903.9	2999.2	3076.0	3061.9	3015.4	2965.6	2914.8	2850.9	2806.6	2788.2
2870.4	20°	2980.8	3066.2	3107.4	3045.7	2975.4	2899.6	2813.1	2735.2	2694.0	2675.7
2957.0	22.5°	3073.8	3156.0	3137.6	3017.6	2918.0	2796.8	2688.6	2631.3	2610.7	2597.8
3068.4	25°	3185.3	3255.6	3159.3	2976.4	2823.9	2660.5	2577.2	2558.8	2549.1	2539.3
3204.7	27.5°	3330.2	3368.1	3175.5	2915.8	2676.7	2515.5	2485.2	2488.5	2485.2	2469.0
3394.1	30°	3521.7	3514.2	3190.7	2817.4	2508.0	2384.6	2386.8	2400.8	2403.0	2392.2
3658.1	32.5°	3773.8	3697.0	3198.2	2689.7	2346.7	2269.9	2272.1	2287.2	2298.1	2279.7
4003.2	35°	4078.9	3910.2	3186.3	2529.6	2222.3	2160.6	2144.4	2148.7	2152.0	2134.7
4421.9	37.5°	4434.9	4149.3	3133.3	2352.2	2119.5	2053.5	2018.9	1989.7	1972.4	1956.2
4895.8	40°	4825.5	4410.0	3035.9	2179.0	2004.8	1939.9	1888.0	1832.8	1774.4	1752.8
5397.8	42.5°	5234.5	4678.3	2918.0	2013.5	1872.9	1819.8	1764.7	1684.6	1597.0	1552.6
5919.3	45°	5658.6	4953.2	2802.2	1850.1	1737.6	1714.9	1651.1	1554.8	1459.5	1403.3
6441.9	47.5°	6074.1	5212.8	2632.4	1685.7	1611.0	1635.9	1586.1	1497.4	1391.4	1302.7
6960.2	50°	6471.1	5456.3	2354.3	1519.1	1508.2	1612.1	1564.5	1436.8	1315.6	1202.0
7468.7	52.5°	6865.0	5653.2	1998.4	1367.6	1453.1	1605.6	1536.4	1395.7	1247.5	1128.5
7946.9	55°	7199.3	5754.9	1655.4	1237.7	1373.0	1550.4	1502.8	1347.0	1151.2	1024.6
8274.7	57.5°	7389.7	5672.7	1369.7	1110.1	1262.6	1459.5	1445.5	1243.2	1036.5	939.1
8338.6	60°	7307.5	5339.4	1136.0	998.6	1157.7	1361.1	1345.9	1140.4	948.9	856.9
7996.7	62.5°	6854.1	4704.3	951.0	901.3	1062.5	1260.5	1246.4	1061.4	881.8	793.1
7088.9	65°	5941.0	3826.8	807.1	820.1	966.2	1139.3	1159.8	995.4	828.8	742.2
5484.4	67.5°	4531.2	2771.9	694.6	749.8	872.0	1020.3	1079.8	947.8	784.4	702.2
3173.4	70°	2582.6	1574.2	599.4	681.6	788.7	909.9	1018.1	909.9	736.8	668.6
1189.1	72.5°	979.2	722.7	518.3	613.5	708.7	816.9	950.0	850.4	681.6	630.8
614.5	75°	522.6	440.4	436.0	533.4	616.7	726.0	864.5	792.0	640.5	666.5
425.2	77.5°	356.0	311.6	364.6	456.6	516.1	625.4	773.6	703.3	555.0	552.9
294.3	80°	246.7	220.7	296.5	367.9	399.2	525.8	675.1	603.7	452.3	422.0
181.8	82.5°	148.2	143.9	221.8	274.8	282.4	405.7	559.4	506.4	370.0	322.4
108.2	85°	81.1	85.5	141.7	161.2	164.5	283.5	438.2	391.7	284.6	239.1
39.0	87.5°	22.7	29.2	51.9	63.8	79.0	147.1	260.7	232.6	142.8	99.5
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°
2667.0
2862.8
2987.3
3023.0
3003.5
2958.0
2895.3
2789.3
2673.5
2599.9
2539.3
2472.3
2397.6
2288.3
2146.6
1967.0
1762.5
1558.0
1399.0
1292.9
1192.3
1115.5
1013.8
926.1
843.9
779.0
728.2
689.2
660.0
622.1
688.1
509.6
403.6
324.6
241.3
99.5
0.0

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