

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: P852730

Luminaire Tested: **GLAN-SB6A-727-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-727-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18316 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

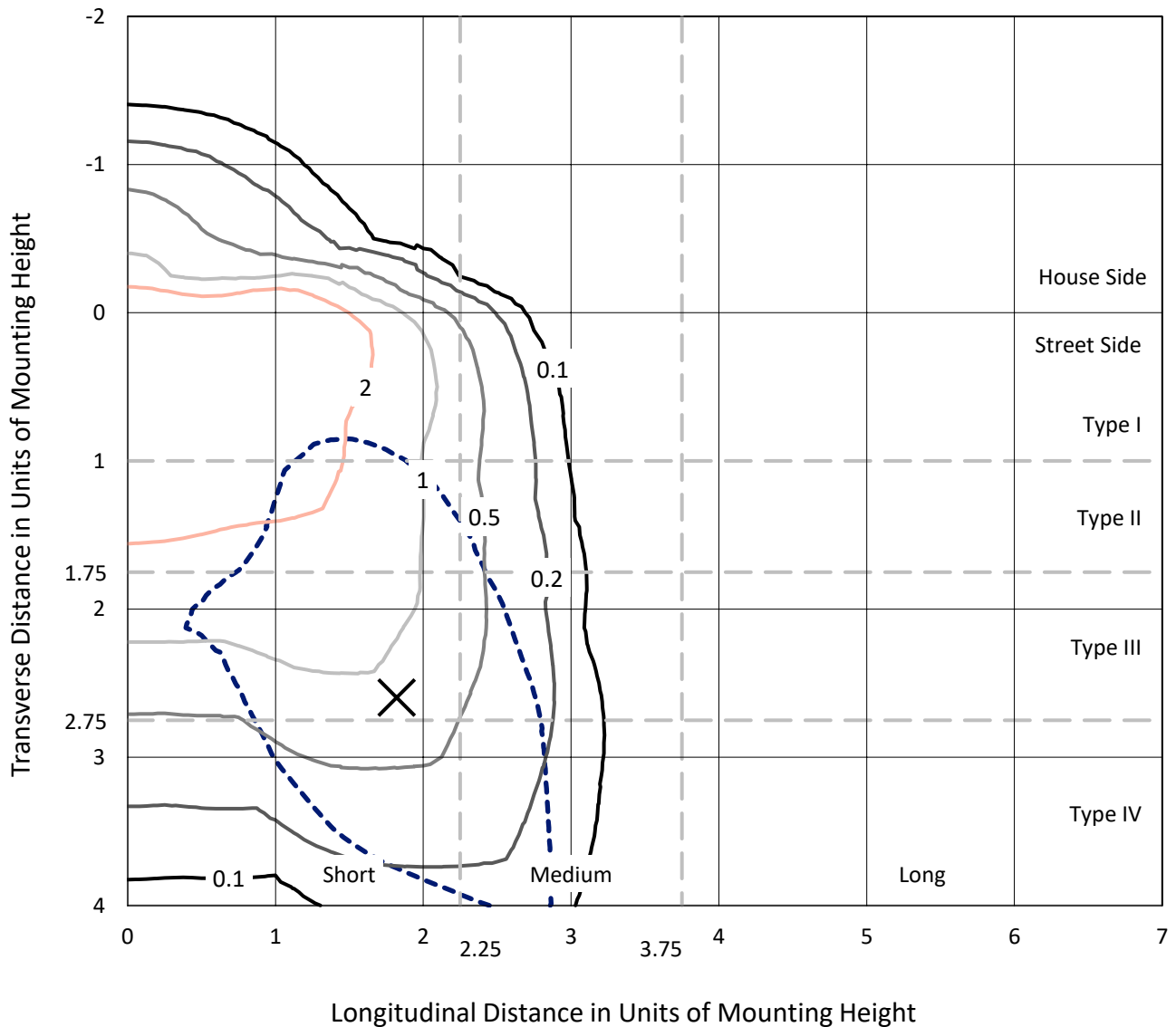
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

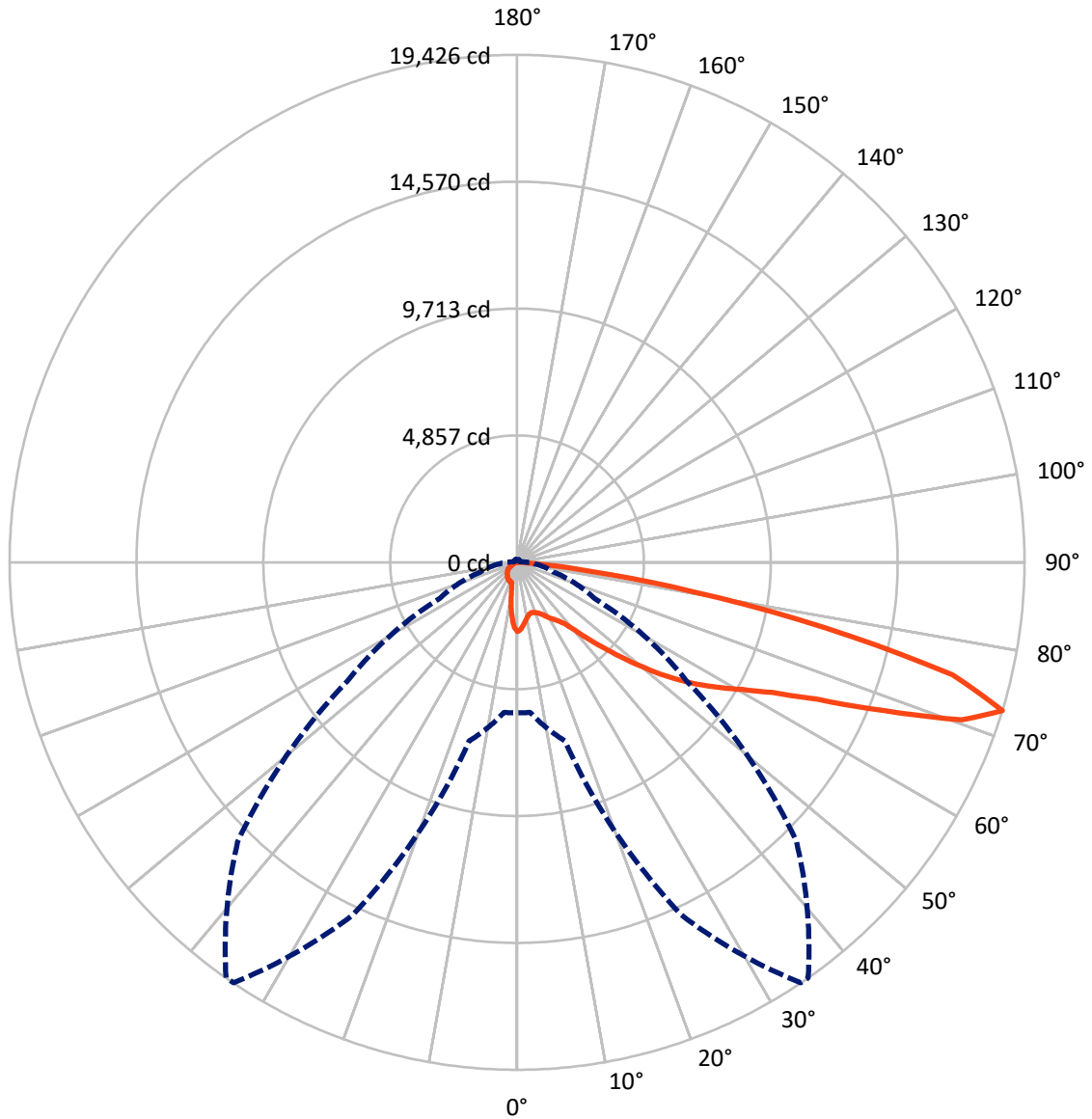
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2061.4	0.0	2061.4
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16254.6	0.0	16254.6
	% Fixture	88.7	0.0	88.7
Total	Lumens	18316.0	0.0	18316.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.1	1.2
10°-20°	510.3	2.8
20°-30°	829.0	4.5
30°-40°	1383.1	7.6
40°-50°	2616.9	14.3
50°-60°	4158.3	22.7
60°-70°	5144.1	28.1
70°-80°	3197.6	17.5
80°-90°	258.4	1.4
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°	18316.0	100.0
0°-180°	18316.0	100.0

Coefficient of Utilization

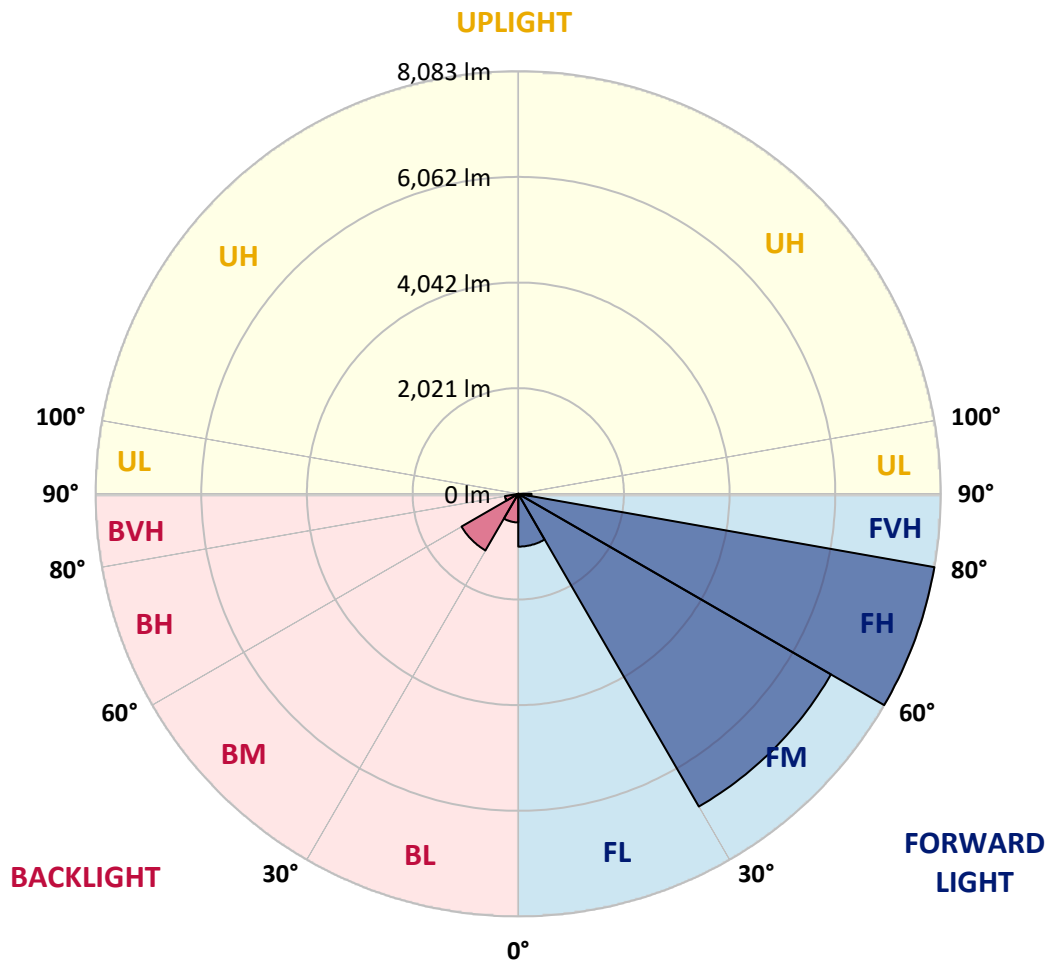


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1009.7	5.5			
FM	(30°-60°)	6907.0	37.7			
FH	(60°-80°)	8083.1	44.1			G4/12000
FVH	(80°-90°)	254.9	1.4			G3/500
BL	(0°-30°)	547.7	3.0	B2/1000		
BM	(30°-60°)	1251.4	6.8	B2/2500		
BH	(60°-80°)	258.7	1.4	B1/500		G1/500
BVH	(80°-90°)	3.5	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6
2.5°	2536.5	2558.0	2562.0	2568.7	2568.7	2576.8	2590.2	2609.0	2639.8	2655.9
5°	2337.9	2354.0	2374.1	2390.2	2421.1	2425.1	2477.5	2528.4	2599.6	2653.3
7.5°	2137.9	2156.7	2183.5	2222.5	2262.7	2274.8	2354.0	2439.9	2552.6	2653.3
10°	1997.0	1998.3	2022.5	2061.4	2125.8	2140.6	2237.2	2359.3	2500.3	2637.2
12.5°	1917.8	1927.2	1937.9	1967.5	2029.2	2038.6	2141.9	2285.5	2447.9	2627.8
15°	1917.8	1924.5	1931.2	1946.0	1995.6	2003.7	2095.0	2238.6	2421.1	2631.8
17.5°	1937.9	1948.7	1943.3	1960.8	2013.1	2018.5	2099.0	2225.1	2419.7	2657.3
20°	1986.3	1994.3	1983.6	1994.3	2046.6	2057.4	2140.6	2250.6	2442.6	2701.6
22.5°	2062.8	2066.8	2041.3	2049.3	2103.0	2116.4	2213.1	2323.1	2497.6	2772.7
25°	2159.4	2167.4	2128.5	2137.9	2188.9	2205.0	2316.4	2431.8	2584.8	2870.7
27.5°	2270.8	2274.8	2241.2	2239.9	2305.7	2328.5	2441.2	2566.0	2701.6	2994.1
30°	2398.3	2410.3	2378.1	2372.8	2456.0	2474.8	2586.2	2731.1	2873.4	3179.3
32.5°	2498.9	2508.3	2489.5	2502.9	2587.5	2602.3	2762.0	2964.6	3143.1	3442.4
35°	2643.9	2649.2	2606.3	2630.4	2727.1	2764.7	3002.2	3292.1	3482.7	3772.5
37.5°	3168.6	3168.6	2986.1	2866.6	2959.3	2992.8	3331.0	3704.1	3901.4	4215.4
40°	3894.7	3882.6	3615.5	3371.3	3359.2	3424.9	3799.4	4223.5	4442.2	4746.9
42.5°	4669.0	4650.3	4286.6	4045.0	4004.7	4027.5	4340.2	4863.6	5086.4	5395.1
45°	5356.2	5350.8	5018.0	4693.2	4620.7	4693.2	5015.3	5612.5	5772.2	6097.0
47.5°	5931.9	5931.9	5689.0	5477.0	5439.4	5482.3	5929.2	6443.2	6428.5	6844.5
50°	6594.9	6589.5	6358.7	6267.4	6306.4	6366.8	6981.4	7318.3	7107.6	7578.6
52.5°	7059.3	7091.5	7012.3	6997.5	7196.1	7300.8	8049.7	8174.5	7715.5	8275.2
55°	7427.0	7464.6	7555.8	7659.2	8041.6	8178.5	9084.4	8986.5	8224.2	8879.1
57.5°	7947.7	7894.0	8034.9	8238.9	8857.6	9022.7	10087.0	9752.8	8633.5	9368.9
60°	8579.8	8587.9	8612.0	8869.7	9672.3	9884.3	11074.7	10477.5	8896.5	9669.6
62.5°	9339.4	9351.5	9401.2	9797.1	10766.0	10966.0	12126.9	11070.7	9017.3	9585.0
65°	9287.1	9338.1	9892.4	11246.5	12428.9	12626.1	13354.9	11486.7	8834.8	8812.0
67.5°	8460.4	8543.6	9470.9	12977.8	14935.8	15155.9	14839.2	11568.6	8047.0	6852.6
70°	7376.0	7405.5	8520.8	14534.6	17838.7	18061.5	16167.8	10668.1	6106.4	3822.2
72.5°	5760.1	5766.8	7075.4	14895.6	19414.3	19426.4	15125.1	7919.5	3284.0	1468.2
75°	4114.8	4074.5	4738.8	12079.9	17080.4	17217.3	11339.1	3714.8	1254.8	693.8
77.5°	2206.4	2250.6	2681.4	7163.9	11799.4	12032.9	6186.9	1071.0	638.8	472.4
80°	681.8	719.3	1099.2	3280.0	6683.5	6824.4	2293.6	476.4	445.6	336.9
82.5°	214.7	222.8	512.7	1378.3	2774.0	2838.5	664.3	269.8	304.6	222.8
85°	61.7	63.1	228.2	514.0	685.8	699.2	186.5	104.7	174.5	138.2
87.5°	6.7	21.5	85.9	85.9	60.4	59.1	20.1	22.8	49.7	17.4
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°
2654.6	0°	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6	2654.6
2666.7	2.5°	2660.0	2661.3	2643.9	2614.3	2582.1	2555.3	2521.7	2494.9	2476.1	2470.7
2690.8	5°	2678.8	2669.4	2619.7	2529.8	2422.4	2329.8	2226.5	2144.6	2090.9	2068.1
2716.3	7.5°	2706.9	2680.1	2571.4	2394.2	2188.9	2006.4	1821.2	1677.6	1586.3	1540.7
2740.5	10°	2731.1	2677.4	2490.9	2198.3	1884.3	1607.8	1358.2	1185.0	1088.4	1042.8
2768.7	12.5°	2753.9	2676.1	2386.2	1966.1	1540.7	1202.5	970.3	884.4	857.6	848.2
2814.3	15°	2796.9	2680.1	2254.7	1700.4	1198.5	908.6	824.0	822.7	828.1	825.4
2884.1	17.5°	2855.9	2684.1	2105.7	1418.6	924.7	801.2	797.2	809.3	817.3	813.3
2971.3	20°	2932.4	2700.2	1947.3	1139.4	794.5	774.4	783.8	794.5	801.2	794.5
3088.1	22.5°	3039.8	2728.4	1774.2	915.3	752.9	758.3	766.3	778.4	785.1	775.7
3237.1	25°	3171.3	2772.7	1603.8	795.8	732.8	739.5	751.6	765.0	773.0	763.6
3424.9	27.5°	3341.7	2843.8	1446.7	769.0	712.6	716.7	734.1	754.2	765.0	752.9
3692.0	30°	3588.7	2960.6	1311.2	781.1	700.6	691.2	715.3	743.5	755.6	744.8
4055.7	32.5°	3916.1	3125.7	1228.0	799.9	695.2	661.6	684.5	720.7	740.8	734.1
4530.8	35°	4345.6	3376.6	1195.8	821.3	691.2	630.8	646.9	685.8	720.7	727.4
5129.4	37.5°	4866.3	3725.6	1205.2	830.7	679.1	605.3	613.3	646.9	692.5	714.0
5803.1	40°	5458.2	4132.2	1258.9	821.3	665.7	583.8	585.1	610.6	650.9	683.1
6527.8	42.5°	6068.8	4607.3	1358.2	786.4	653.6	565.0	561.0	578.4	605.3	628.1
7251.2	45°	6649.9	5095.8	1456.1	738.1	638.8	546.2	536.8	543.5	548.9	558.3
7955.8	47.5°	7157.2	5439.4	1428.0	693.8	618.7	524.7	508.6	506.0	489.9	488.5
8585.2	50°	7507.5	5514.5	1268.3	649.6	589.2	500.6	475.1	459.0	430.8	417.4
9056.2	52.5°	7618.9	5217.9	1036.1	605.3	540.9	468.4	432.1	406.6	371.8	359.7
9327.3	55°	7471.3	4636.8	828.1	551.6	473.7	425.4	385.2	351.6	323.4	308.7
9356.9	57.5°	7110.3	3897.4	654.9	488.5	402.6	377.1	336.9	303.3	279.1	264.4
9029.4	60°	6511.7	3094.8	518.0	413.4	343.6	324.8	283.2	261.7	240.2	222.8
8183.9	62.5°	5603.1	2209.0	406.6	327.5	287.2	265.7	241.6	225.5	200.0	175.8
6663.3	65°	4372.4	1351.5	314.0	240.2	230.8	220.1	205.3	190.6	159.7	135.5
4346.9	67.5°	2757.9	640.2	224.1	181.2	182.5	177.2	170.4	158.4	135.5	114.1
1947.3	70°	1214.6	310.0	147.6	138.2	135.5	135.5	140.9	136.9	115.4	95.3
676.4	72.5°	413.4	166.4	110.0	104.7	98.0	96.6	118.1	114.1	92.6	73.8
336.9	75°	216.1	111.4	80.5	75.2	59.1	71.1	93.9	88.6	65.8	48.3
222.8	77.5°	140.9	79.2	55.0	48.3	33.6	47.0	69.8	61.7	38.9	24.2
146.3	80°	88.6	52.3	32.2	22.8	16.1	25.5	37.6	26.8	14.8	5.4
85.9	82.5°	47.0	26.8	12.1	8.1	6.7	8.1	9.4	6.7	2.7	0.0
44.3	85°	18.8	9.4	4.0	2.7	1.3	0.0	2.7	1.3	0.0	0.0
8.1	87.5°	6.7	1.3	0.0	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°
2654.6
2480.1
2076.2
1547.4
1044.1
845.5
824.0
811.9
793.2
774.4
762.3
752.9
743.5
734.1
727.4
719.3
693.8
637.5
563.7
487.2
418.7
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308.7
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