

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: P853026

Luminaire Tested: **GLAN-SB8A-930-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853026
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-SB8A-930-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 3000K, 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: 18528 lumens
Efficiency: N/A
Efficacy: 81.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

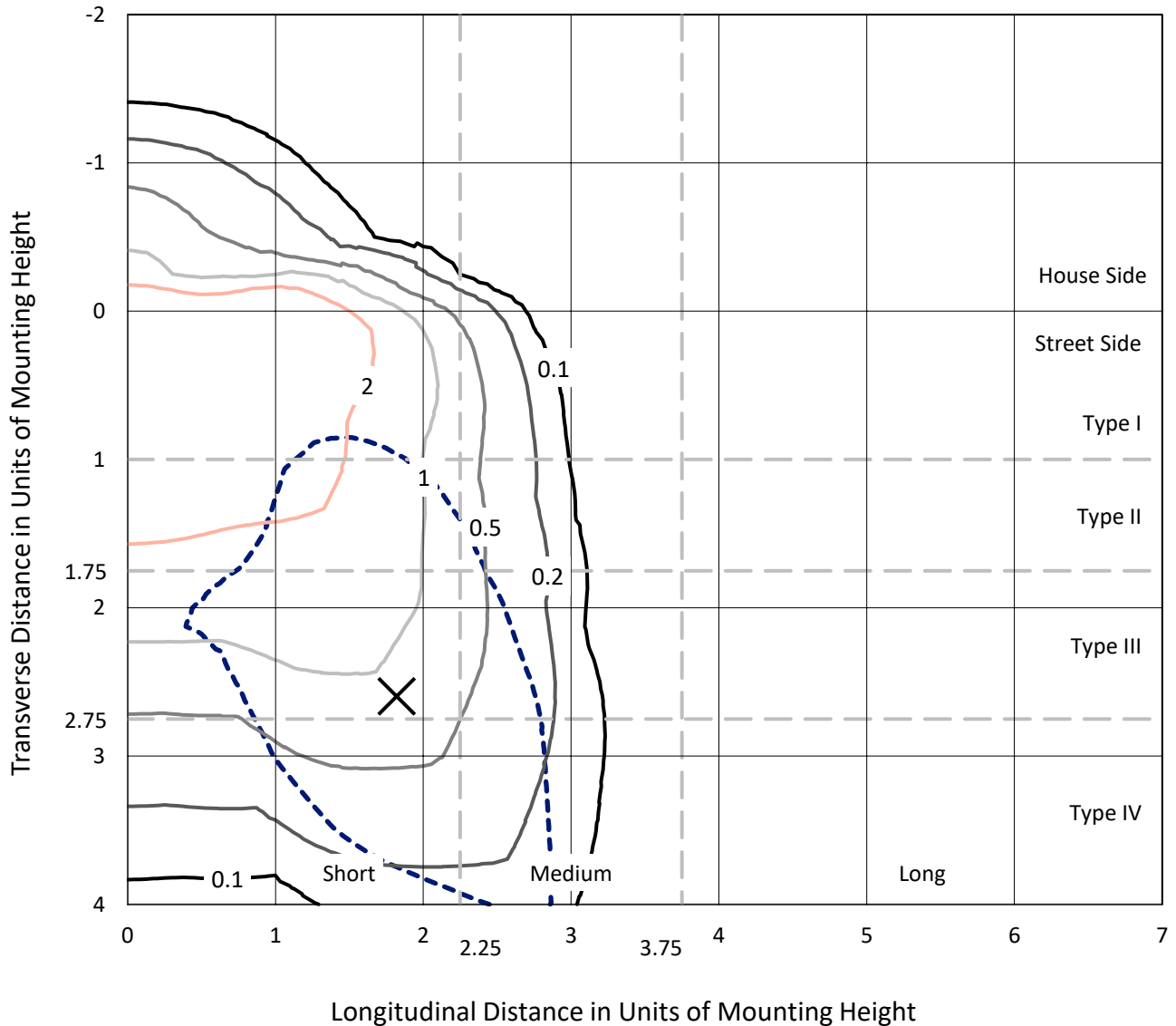
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

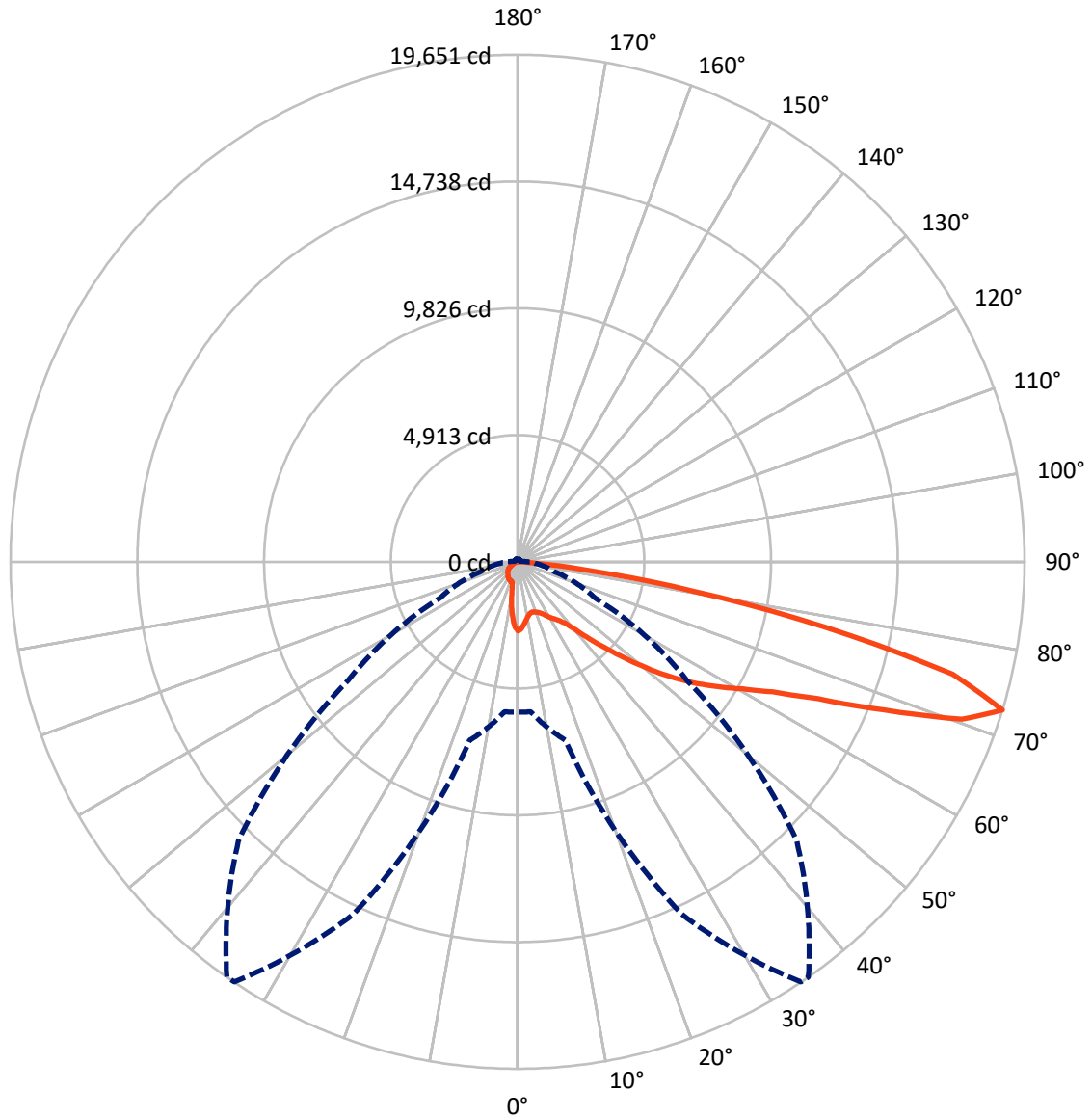
✕ Max cd
 - - - 1/2 Max cd



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 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2085.2	0.0	2085.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16442.8	0.0	16442.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	18528.0	0.0	18528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.7	1.2
10°-20°	516.2	2.8
20°-30°	838.6	4.5
30°-40°	1399.2	7.6
40°-50°	2647.2	14.3
50°-60°	4206.4	22.7
60°-70°	5203.7	28.1
70°-80°	3234.6	17.5
80°-90°	261.4	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°	18528.0	100.0
0°-180°	18528.0	100.0

Coefficient of Utilization



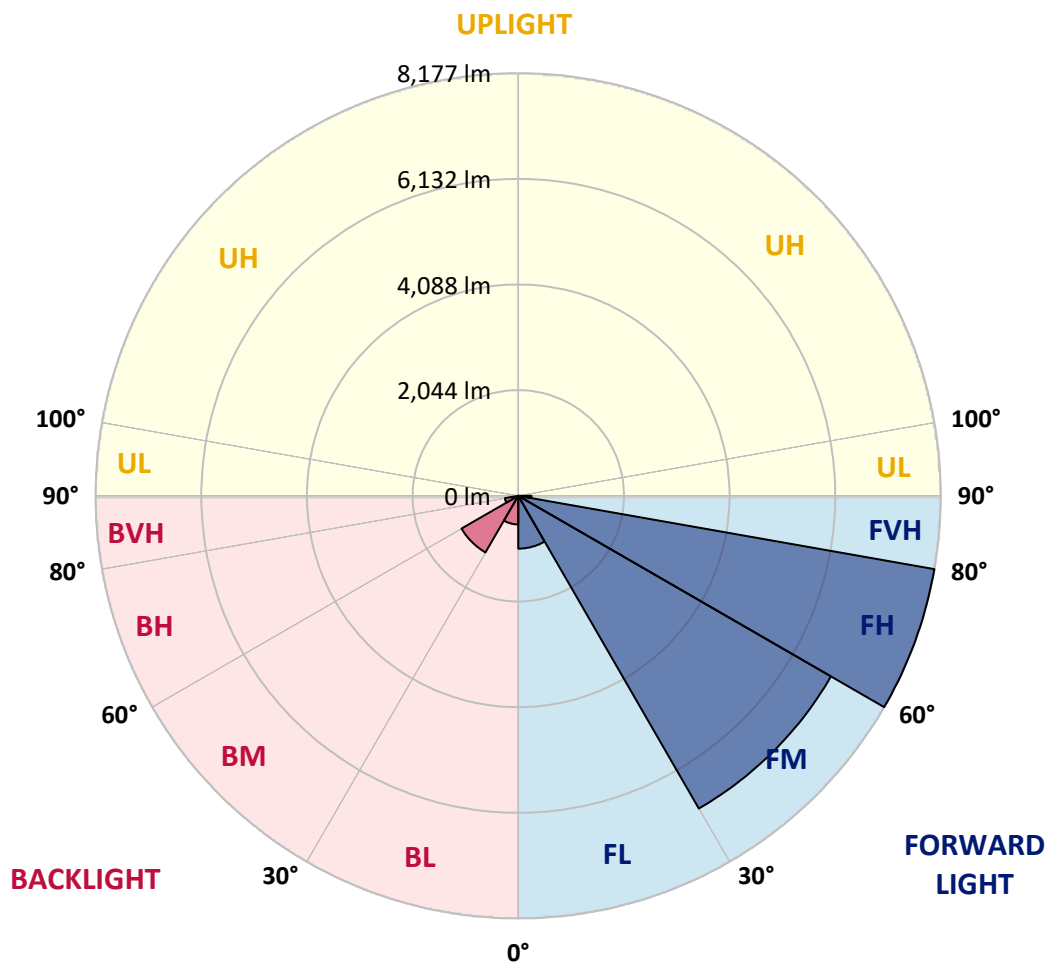
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1021.4	5.5			
FM	(30°-60°)	6986.9	37.7			
FH	(60°-80°)	8176.6	44.1			G4/12000
FVH	(80°-90°)	257.9	1.4			G3/500
BL	(0°-30°)	554.1	3.0	B2/1000		
BM	(30°-60°)	1265.9	6.8	B2/2500		
BH	(60°-80°)	261.7	1.4	B1/500		G1/500
BVH	(80°-90°)	3.6	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°	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3
2.5°	2565.9	2587.6	2591.7	2598.4	2598.4	2606.6	2620.2	2639.2	2670.4	2686.7
5°	2364.9	2381.2	2401.6	2417.9	2449.1	2453.2	2506.1	2557.7	2629.7	2684.0
7.5°	2162.7	2181.7	2208.8	2248.2	2288.9	2301.1	2381.2	2468.1	2582.2	2684.0
10°	2020.1	2021.5	2045.9	2085.3	2150.4	2165.4	2263.1	2386.7	2529.2	2667.7
12.5°	1940.0	1949.5	1960.4	1990.2	2052.7	2062.2	2166.7	2312.0	2476.3	2658.2
15°	1940.0	1946.8	1953.6	1968.5	2018.7	2026.9	2119.2	2264.5	2449.1	2662.2
17.5°	1960.4	1971.2	1965.8	1983.5	2036.4	2041.8	2123.3	2250.9	2447.7	2688.0
20°	2009.2	2017.4	2006.5	2017.4	2070.3	2081.2	2165.4	2276.7	2470.8	2732.8
22.5°	2086.6	2090.7	2064.9	2073.1	2127.4	2140.9	2238.7	2350.0	2526.5	2804.8
25°	2184.4	2192.5	2153.2	2162.7	2214.2	2230.5	2343.2	2460.0	2614.7	2903.9
27.5°	2297.1	2301.1	2267.2	2265.8	2332.4	2355.4	2469.5	2595.7	2732.8	3028.8
30°	2426.0	2438.2	2405.7	2400.2	2484.4	2503.4	2616.1	2762.7	2906.6	3216.1
32.5°	2527.8	2537.4	2518.3	2531.9	2617.4	2632.4	2793.9	2998.9	3179.5	3482.2
35°	2674.5	2679.9	2636.5	2660.9	2758.6	2796.7	3036.9	3330.2	3523.0	3816.2
37.5°	3205.3	3205.3	3020.7	2899.8	2993.5	3027.4	3369.6	3747.0	3946.5	4264.2
40°	3939.7	3927.5	3657.4	3410.3	3398.1	3464.6	3843.4	4272.4	4493.6	4801.8
42.5°	4723.1	4704.1	4336.2	4091.8	4051.1	4074.2	4390.5	4919.9	5145.3	5457.5
45°	5418.2	5412.7	5076.1	4747.5	4674.2	4747.5	5073.3	5677.5	5839.0	6167.6
47.5°	6000.6	6000.6	5754.9	5540.4	5502.3	5545.8	5997.9	6517.8	6502.9	6923.7
50°	6671.2	6665.8	6432.3	6340.0	6379.4	6440.4	7062.2	7403.0	7189.8	7666.4
52.5°	7141.0	7173.5	7093.4	7078.5	7279.4	7385.3	8142.9	8269.1	7804.8	8370.9
55°	7512.9	7551.0	7643.3	7747.8	8134.7	8273.2	9189.6	9090.5	8319.4	8981.9
57.5°	8039.7	7985.4	8127.9	8334.3	8960.1	9127.1	10203.7	9865.7	8733.4	9477.4
60°	8679.1	8687.3	8711.7	8972.4	9784.2	9998.7	11202.9	10598.8	8999.5	9781.5
62.5°	9447.5	9459.7	9510.0	9910.5	10890.6	11092.9	12267.3	11198.8	9121.7	9696.0
65°	9394.6	9446.2	10006.9	11376.7	12572.7	12772.3	13509.5	11619.7	8937.1	8914.0
67.5°	8558.3	8642.5	9580.6	13128.0	15108.7	15331.4	15011.0	11702.5	8140.2	6931.9
70°	7461.4	7491.2	8619.4	14702.8	18045.2	18270.6	16355.0	10791.5	6177.1	3866.4
72.5°	5826.8	5833.6	7157.3	15068.0	19639.0	19651.2	15300.1	8011.2	3322.0	1485.2
75°	4162.4	4121.7	4793.7	12219.7	17278.1	17416.6	11470.3	3757.8	1269.4	701.9
77.5°	2231.9	2276.7	2712.5	7246.9	11936.0	12172.2	6258.5	1083.4	646.2	477.9
80°	689.7	727.7	1111.9	3318.0	6760.8	6903.4	2320.1	481.9	450.7	340.8
82.5°	217.2	225.4	518.6	1394.3	2806.2	2871.3	672.0	272.9	308.2	225.4
85°	62.4	63.8	230.8	520.0	693.7	707.3	188.7	105.9	176.5	139.8
87.5°	6.8	21.7	86.9	86.9	61.1	59.7	20.4	23.1	50.2	17.6
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°
2685.3	0°	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3	2685.3
2697.5	2.5°	2690.8	2692.1	2674.5	2644.6	2612.0	2584.9	2550.9	2523.8	2504.8	2499.3
2722.0	5°	2709.8	2700.3	2650.0	2559.1	2450.5	2356.8	2252.3	2169.4	2115.1	2092.1
2747.8	7.5°	2738.3	2711.1	2601.2	2422.0	2214.2	2029.6	1842.3	1697.0	1604.7	1558.5
2772.2	10°	2762.7	2708.4	2519.7	2223.7	1906.1	1626.4	1373.9	1198.8	1101.0	1054.9
2800.7	12.5°	2785.8	2707.0	2413.8	1988.9	1558.5	1216.4	981.5	894.7	867.5	858.0
2846.9	15°	2829.2	2711.1	2280.8	1720.1	1212.3	919.1	833.6	832.2	837.6	834.9
2917.5	17.5°	2889.0	2715.2	2130.1	1435.0	935.4	810.5	806.4	818.6	826.8	822.7
3005.7	20°	2966.4	2731.5	1969.9	1152.6	803.7	783.3	792.8	803.7	810.5	803.7
3123.8	22.5°	3075.0	2760.0	1794.7	925.9	761.6	767.0	775.2	787.4	794.2	784.7
3274.5	25°	3208.0	2804.8	1622.3	805.1	741.2	748.0	760.3	773.8	782.0	772.5
3464.6	27.5°	3380.4	2876.7	1463.5	777.9	720.9	725.0	742.6	763.0	773.8	761.6
3734.8	30°	3630.2	2994.9	1326.4	790.1	708.7	699.2	723.6	752.1	764.3	753.5
4102.7	32.5°	3961.5	3161.8	1242.2	809.1	703.2	669.3	692.4	729.0	749.4	742.6
4583.3	35°	4395.9	3415.7	1209.6	830.8	699.2	638.1	654.4	693.7	729.0	735.8
5188.7	37.5°	4922.6	3768.7	1219.1	840.4	686.9	612.3	620.4	654.4	700.5	722.2
5870.3	40°	5521.4	4180.0	1273.4	830.8	673.4	590.6	591.9	617.7	658.4	691.0
6603.4	42.5°	6139.1	4660.6	1373.9	795.6	661.2	571.5	567.5	585.1	612.3	635.4
7335.1	45°	6726.9	5154.8	1473.0	746.7	646.2	552.5	543.0	549.8	555.3	564.8
8047.8	47.5°	7240.1	5502.3	1444.5	701.9	625.9	530.8	514.5	511.8	495.5	494.2
8684.6	50°	7594.4	5578.4	1282.9	657.1	596.0	506.4	480.6	464.3	435.8	422.2
9161.1	52.5°	7707.1	5278.3	1048.1	612.3	547.1	473.8	437.1	411.4	376.1	363.8
9435.3	55°	7557.7	4690.5	837.6	558.0	479.2	430.4	389.6	355.7	327.2	312.2
9465.2	57.5°	7192.6	3942.5	662.5	494.2	407.3	381.5	340.8	306.8	282.4	267.4
9133.9	60°	6587.1	3130.6	524.0	418.1	347.5	328.5	286.5	264.7	243.0	225.4
8278.6	62.5°	5668.0	2234.6	411.4	331.3	290.5	268.8	244.4	228.1	202.3	177.8
6740.5	65°	4423.1	1367.1	317.7	243.0	233.5	222.6	207.7	192.8	161.6	137.1
4397.3	67.5°	2789.9	647.6	226.7	183.3	184.6	179.2	172.4	160.2	137.1	115.4
1969.9	70°	1228.6	313.6	149.3	139.8	137.1	137.1	142.5	138.5	116.8	96.4
684.2	72.5°	418.1	168.3	111.3	105.9	99.1	97.7	119.5	115.4	93.7	74.7
340.8	75°	218.6	112.7	81.5	76.0	59.7	72.0	95.0	89.6	66.5	48.9
225.4	77.5°	142.5	80.1	55.7	48.9	33.9	47.5	70.6	62.4	39.4	24.4
148.0	80°	89.6	52.9	32.6	23.1	16.3	25.8	38.0	27.2	14.9	5.4
86.9	82.5°	47.5	27.2	12.2	8.1	6.8	8.1	9.5	6.8	2.7	0.0
44.8	85°	19.0	9.5	4.1	2.7	1.4	0.0	2.7	1.4	0.0	0.0
8.1	87.5°	6.8	1.4	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°
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2685.3
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