

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: P852642

Luminaire Tested: **GLAN-SB5B-830-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852642
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-SB5B-830-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3000K, 450mA 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: 18492 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

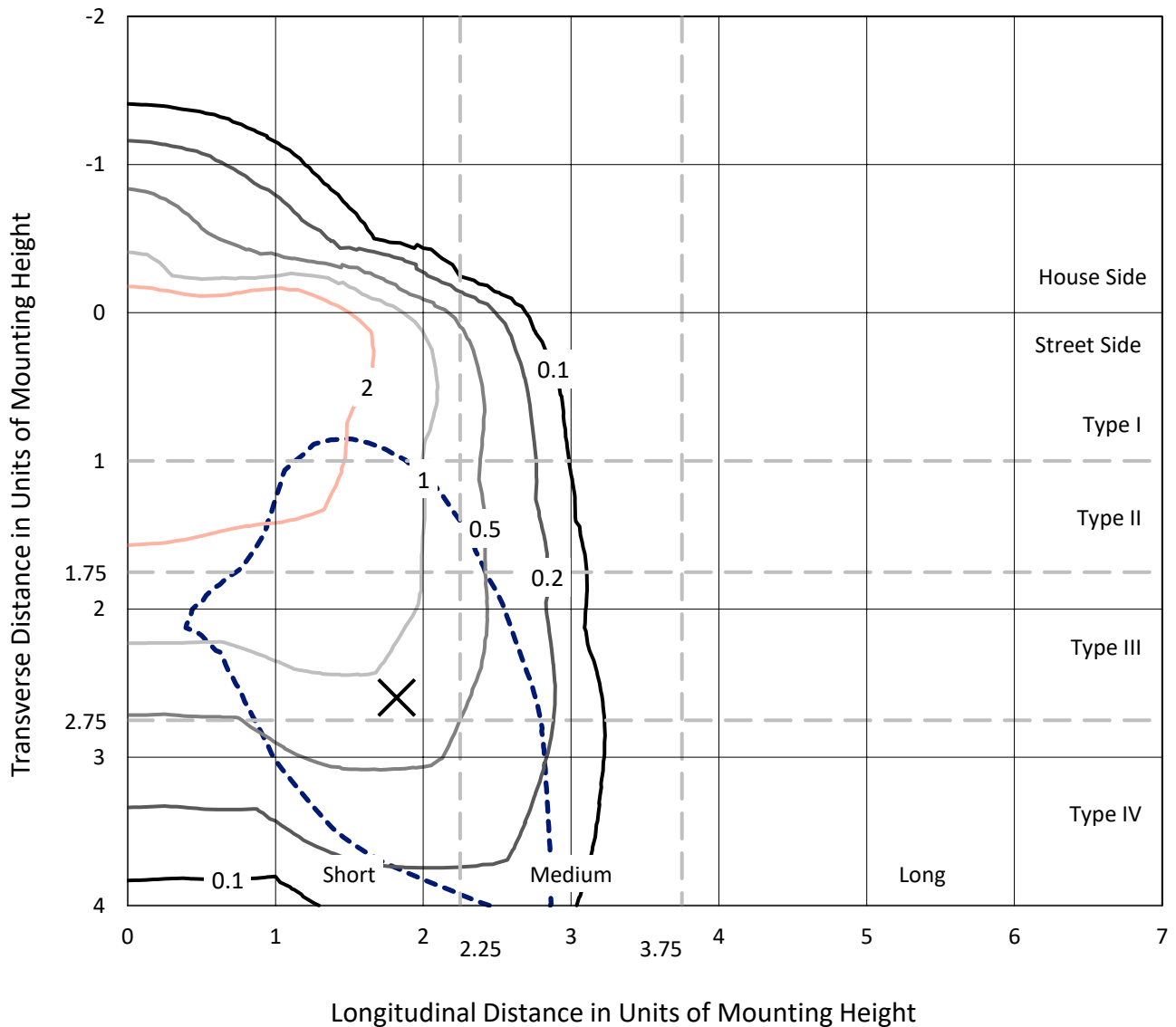
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

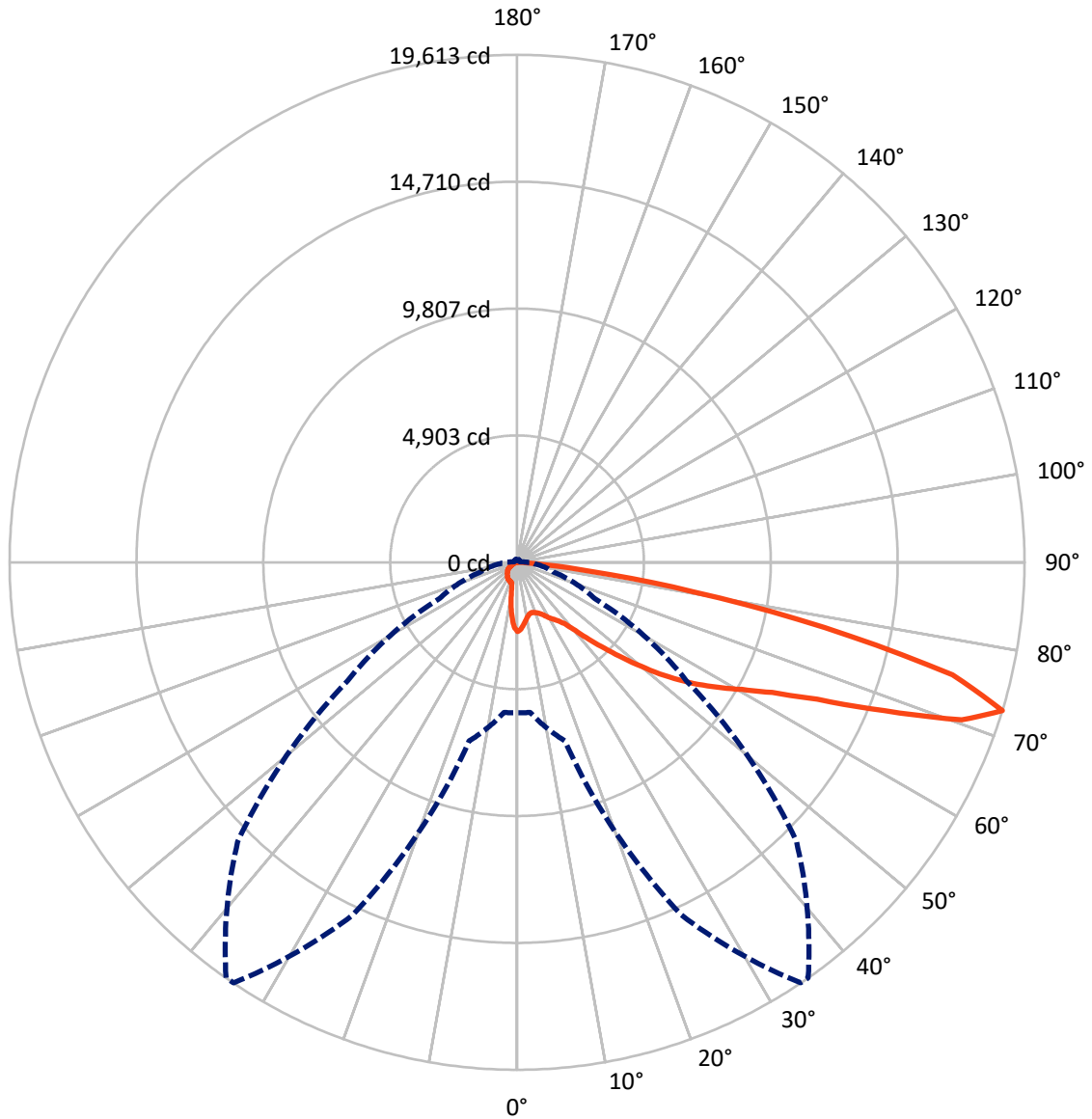
× Max cd
 - - - 1/2 Max cd



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 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2081.2	0.0	2081.2
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	16410.8	0.0	16410.8
	% Fixture	88.7	0.0	88.7
Total	Lumens	18492.0	0.0	18492.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	220.2	1.2
10°-20°	515.2	2.8
20°-30°	836.9	4.5
30°-40°	1396.4	7.6
40°-50°	2642.1	14.3
50°-60°	4198.3	22.7
60°-70°	5193.6	28.1
70°-80°	3228.4	17.5
80°-90°	260.9	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°	18492.0	100.0
0°-180°	18492.0	100.0

Coefficient of Utilization

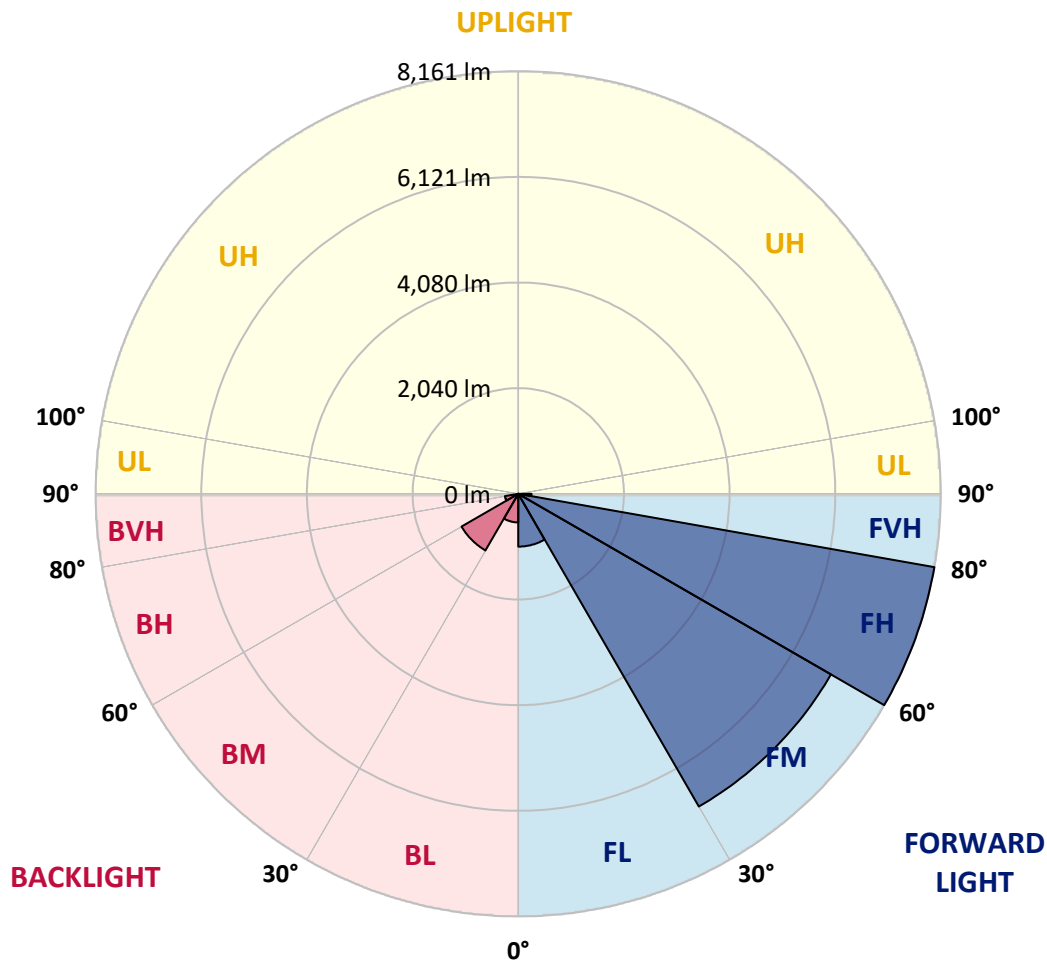


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1019.4	5.5			
FM	(30°-60°)	6973.3	37.7			
FH	(60°-80°)	8160.8	44.1			G4/12000
FVH	(80°-90°)	257.3	1.4			G3/500
BL	(0°-30°)	553.0	3.0	B2/1000		
BM	(30°-60°)	1263.5	6.8	B2/2500		
BH	(60°-80°)	261.2	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°	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1
2.5°	2560.9	2582.6	2586.6	2593.4	2593.4	2601.5	2615.1	2634.0	2665.2	2681.5
5°	2360.3	2376.6	2396.9	2413.2	2444.3	2448.4	2501.3	2552.7	2624.6	2678.8
7.5°	2158.5	2177.4	2204.5	2243.8	2284.5	2296.7	2376.6	2463.3	2577.1	2678.8
10°	2016.2	2017.5	2041.9	2081.2	2146.3	2161.2	2258.7	2382.0	2524.3	2662.5
12.5°	1936.2	1945.7	1956.6	1986.4	2048.7	2058.2	2162.5	2307.5	2471.4	2653.0
15°	1936.2	1943.0	1949.8	1964.7	2014.8	2023.0	2115.1	2260.1	2444.3	2657.1
17.5°	1956.6	1967.4	1962.0	1979.6	2032.4	2037.9	2119.2	2246.5	2443.0	2682.8
20°	2005.3	2013.5	2002.6	2013.5	2066.3	2077.2	2161.2	2272.3	2466.0	2727.5
22.5°	2082.6	2086.6	2060.9	2069.0	2123.2	2136.8	2234.3	2345.4	2521.6	2799.3
25°	2180.1	2188.3	2149.0	2158.5	2209.9	2226.2	2338.7	2455.2	2609.7	2898.3
27.5°	2292.6	2296.7	2262.8	2261.4	2327.8	2350.9	2464.7	2590.7	2727.5	3022.9
30°	2421.3	2433.5	2401.0	2395.6	2479.6	2498.5	2611.0	2757.3	2901.0	3209.9
32.5°	2522.9	2532.4	2513.5	2527.0	2612.4	2627.3	2788.5	2993.1	3173.3	3475.5
35°	2669.3	2674.7	2631.3	2655.7	2753.3	2791.2	3031.0	3323.7	3516.1	3808.8
37.5°	3199.1	3199.1	3014.8	2894.2	2987.7	3021.6	3363.0	3739.7	3938.9	4255.9
40°	3932.1	3919.9	3650.3	3403.7	3391.5	3457.9	3835.9	4264.1	4484.9	4792.5
42.5°	4713.9	4694.9	4327.7	4083.8	4043.2	4066.2	4381.9	4910.4	5135.3	5446.9
45°	5407.6	5402.2	5066.2	4738.3	4665.1	4738.3	5063.5	5666.4	5827.7	6155.6
47.5°	5988.9	5988.9	5743.7	5529.6	5491.7	5535.0	5986.2	6505.2	6490.3	6910.3
50°	6658.3	6652.9	6419.8	6327.7	6367.0	6427.9	7048.5	7388.6	7175.9	7651.5
52.5°	7127.1	7159.6	7079.7	7064.8	7265.3	7371.0	8127.0	8253.1	7789.7	8354.7
55°	7498.3	7536.3	7628.4	7732.8	8118.9	8257.1	9171.7	9072.8	8303.2	8964.4
57.5°	8024.1	7969.9	8112.1	8318.1	8942.7	9109.4	10183.9	9846.5	8716.5	9459.0
60°	8662.3	8670.4	8694.8	8954.9	9765.2	9979.3	11181.1	10578.2	8982.0	9762.5
62.5°	9429.2	9441.4	9491.5	9891.2	10869.5	11071.4	12243.4	11177.1	9104.0	9677.1
65°	9376.3	9427.8	9987.4	11354.6	12548.3	12747.5	13483.2	11597.1	8919.7	8896.7
67.5°	8541.7	8625.7	9562.0	13102.5	15079.3	15301.6	14981.8	11679.8	8124.3	6918.4
70°	7446.9	7476.7	8602.6	14674.2	18010.1	18235.1	16323.2	10770.6	6165.1	3858.9
72.5°	5815.5	5822.3	7143.3	15038.7	19600.9	19613.0	15270.4	7995.6	3315.6	1482.3
75°	4154.3	4113.7	4784.4	12196.0	17244.6	17382.8	11448.1	3750.5	1266.9	700.5
77.5°	2227.6	2272.3	2707.2	7232.8	11912.8	12148.6	6246.4	1081.3	645.0	476.9
80°	688.3	726.3	1109.7	3311.5	6747.7	6890.0	2315.6	481.0	449.8	340.1
82.5°	216.8	224.9	517.6	1391.5	2800.7	2865.7	670.7	272.3	307.6	224.9
85°	62.3	63.7	230.3	518.9	692.4	705.9	188.3	105.7	176.1	139.6
87.5°	6.8	21.7	86.7	86.7	61.0	59.6	20.3	23.0	50.1	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°
2680.1	0°	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1	2680.1
2692.3	2.5°	2685.5	2686.9	2669.3	2639.5	2606.9	2579.8	2546.0	2518.9	2499.9	2494.5
2716.7	5°	2704.5	2695.0	2644.9	2554.1	2445.7	2352.2	2247.9	2165.2	2111.0	2088.0
2742.4	7.5°	2733.0	2705.9	2596.1	2417.2	2209.9	2025.7	1838.7	1693.7	1601.6	1555.5
2766.8	10°	2757.3	2703.1	2514.8	2219.4	1902.4	1623.2	1371.2	1196.4	1098.9	1052.8
2795.3	12.5°	2780.4	2701.8	2409.1	1985.0	1555.5	1214.0	979.6	892.9	865.8	856.3
2841.4	15°	2823.7	2705.9	2276.3	1716.7	1210.0	917.3	831.9	830.6	836.0	833.3
2911.8	17.5°	2883.4	2709.9	2125.9	1432.2	933.6	808.9	804.8	817.0	825.2	821.1
2999.9	20°	2960.6	2726.2	1966.0	1150.4	802.1	781.8	791.3	802.1	808.9	802.1
3117.8	22.5°	3069.0	2754.6	1791.3	924.1	760.1	765.6	773.7	785.9	792.7	783.2
3268.2	25°	3201.8	2799.3	1619.2	803.5	739.8	746.6	758.8	772.3	780.5	771.0
3457.9	27.5°	3373.9	2871.2	1460.6	776.4	719.5	723.5	741.2	761.5	772.3	760.1
3727.5	30°	3623.2	2989.0	1323.8	788.6	707.3	697.8	722.2	750.6	762.8	752.0
4094.7	32.5°	3953.8	3155.7	1239.8	807.6	701.9	668.0	691.0	727.6	747.9	741.2
4574.3	35°	4387.4	3409.1	1207.3	829.2	697.8	636.8	653.1	692.4	727.6	734.4
5178.7	37.5°	4913.1	3761.4	1216.8	838.7	685.6	611.1	619.2	653.1	699.2	720.8
5858.8	40°	5510.6	4171.9	1271.0	829.2	672.1	589.4	590.8	616.5	657.2	689.7
6590.5	42.5°	6127.1	4651.6	1371.2	794.0	659.9	570.4	566.4	584.0	611.1	634.1
7320.8	45°	6713.8	5144.8	1470.1	745.2	645.0	551.5	542.0	548.8	554.2	563.7
8032.2	47.5°	7226.0	5491.7	1441.7	700.5	624.6	529.8	513.5	510.8	494.6	493.2
8667.7	50°	7579.6	5567.5	1280.4	655.8	594.8	505.4	479.7	463.4	434.9	421.4
9143.3	52.5°	7692.1	5268.1	1046.0	611.1	546.0	472.9	436.3	410.6	375.3	363.1
9417.0	55°	7543.1	4681.4	836.0	556.9	478.3	429.5	388.9	355.0	326.5	311.6
9446.8	57.5°	7178.6	3934.8	661.2	493.2	406.5	380.7	340.1	306.2	281.8	266.9
9116.2	60°	6574.3	3124.5	523.0	417.3	346.9	327.9	285.9	264.2	242.5	224.9
8262.5	62.5°	5657.0	2230.3	410.6	330.6	290.0	268.3	243.9	227.6	201.9	177.5
6727.4	65°	4414.5	1364.4	317.1	242.5	233.1	222.2	207.3	192.4	161.2	136.9
4388.7	67.5°	2784.4	646.3	226.3	182.9	184.3	178.9	172.1	159.9	136.9	115.2
1966.0	70°	1226.2	313.0	149.0	139.6	136.9	136.9	142.3	138.2	116.5	96.2
682.9	72.5°	417.3	168.0	111.1	105.7	98.9	97.6	119.2	115.2	93.5	74.5
340.1	75°	218.1	112.5	81.3	75.9	59.6	71.8	94.8	89.4	66.4	48.8
224.9	77.5°	142.3	79.9	55.6	48.8	33.9	47.4	70.5	62.3	39.3	24.4
147.7	80°	89.4	52.8	32.5	23.0	16.3	25.7	37.9	27.1	14.9	5.4
86.7	82.5°	47.4	27.1	12.2	8.1	6.8	8.1	9.5	6.8	2.7	0.0
44.7	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°
2680.1
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