

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: P852530

Luminaire Tested: **GLAN-SB4C-735-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852530
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-SB4C-735-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 615mA 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: 22301 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

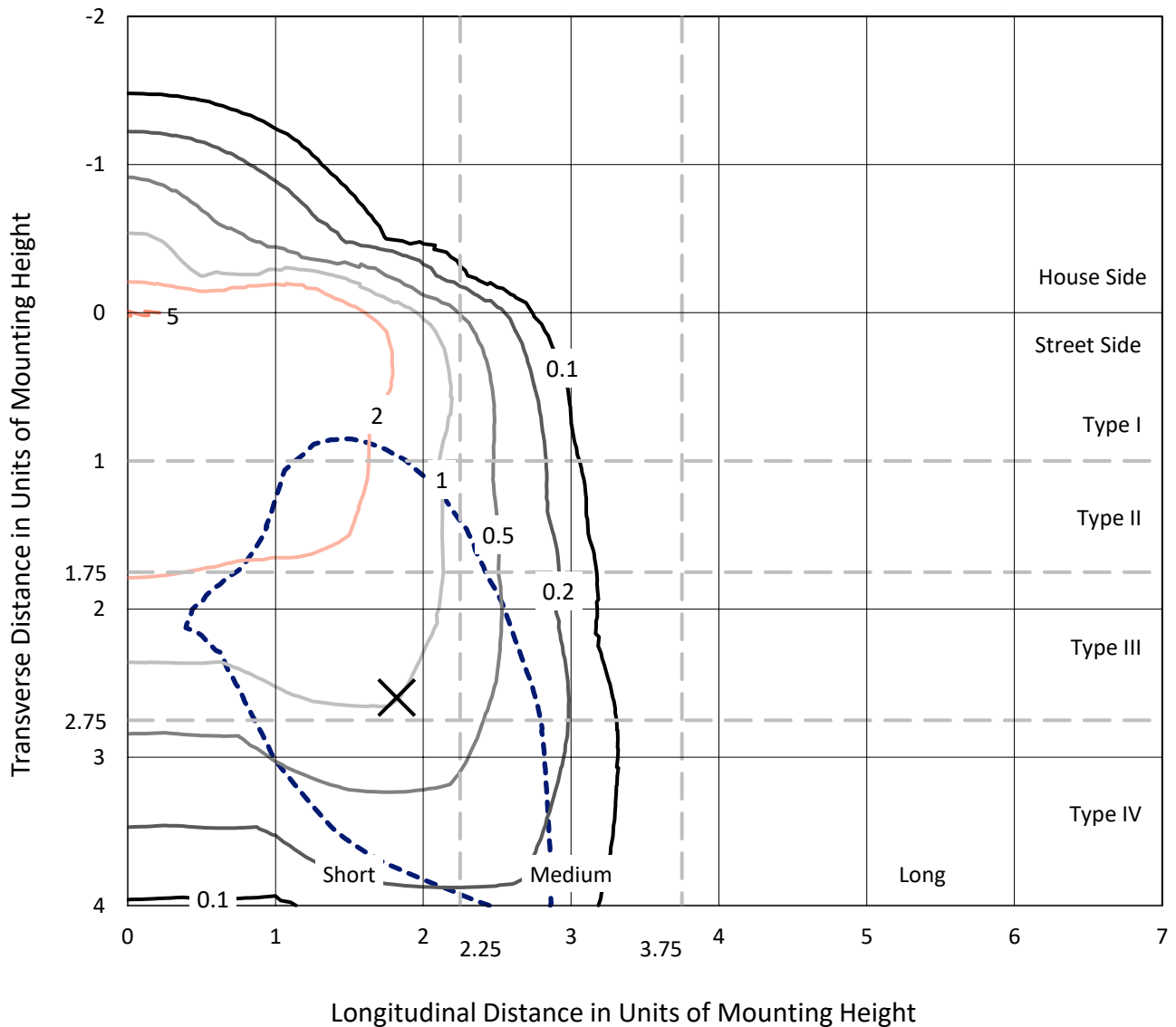
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

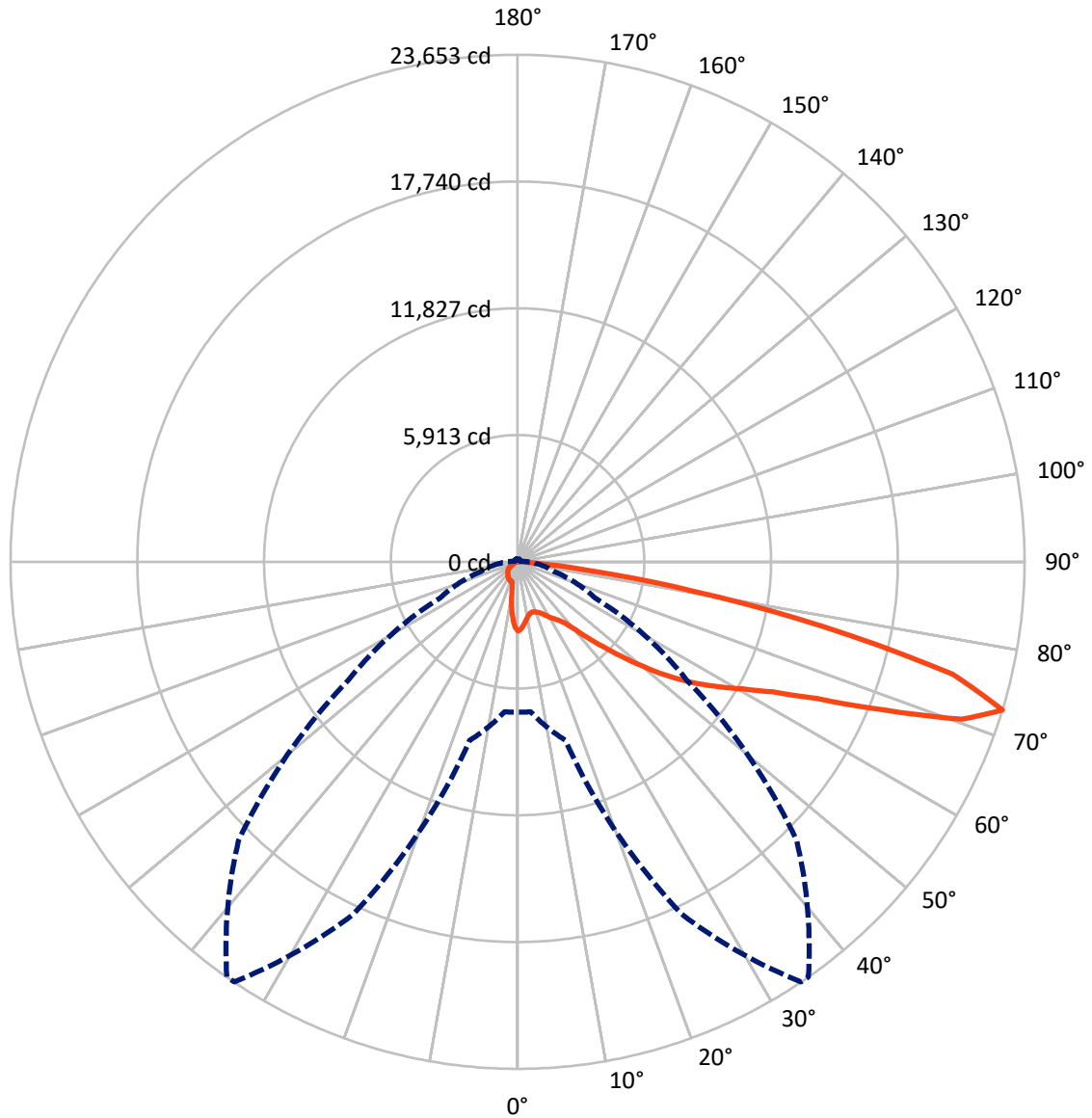
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	2509.9	0.0	2509.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	19791.1	0.0	19791.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	22301.0	0.0	22301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.6	1.2
10°-20°	621.3	2.8
20°-30°	1009.3	4.5
30°-40°	1684.1	7.6
40°-50°	3186.3	14.3
50°-60°	5063.0	22.7
60°-70°	6263.3	28.1
70°-80°	3893.3	17.5
80°-90°	314.6	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°	22301.0	100.0
0°-180°	22301.0	100.0

Coefficient of Utilization

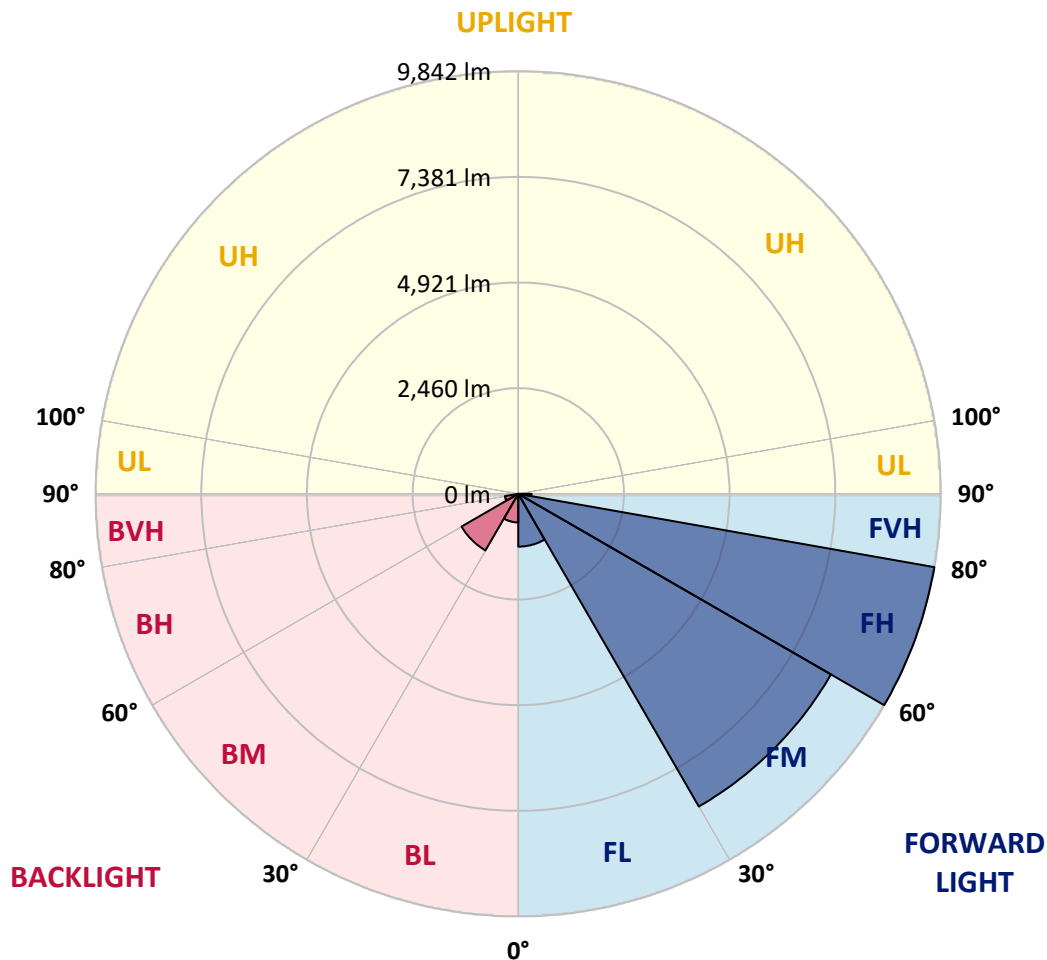


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1229.4	5.5			
FM (30°-60°)	8409.7	37.7			
FH (60°-80°)	9841.7	44.1			G4/12000
FVH (80°-90°)	310.4	1.4			G3/500
BL (0°-30°)	666.9	3.0	B2/1000		
BM (30°-60°)	1523.7	6.8	B2/2500		
BH (60°-80°)	314.9	1.4	B1/500		G1/500
BVH (80°-90°)	4.3	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°	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2
2.5°	3088.4	3114.5	3119.4	3127.6	3127.6	3137.4	3153.7	3176.6	3214.2	3233.8
5°	2846.5	2866.1	2890.6	2910.3	2947.8	2952.7	3016.5	3078.6	3165.2	3230.5
7.5°	2603.1	2625.9	2658.6	2706.0	2755.0	2769.7	2866.1	2970.7	3108.0	3230.5
10°	2431.5	2433.1	2462.5	2509.9	2588.3	2606.3	2724.0	2872.7	3044.2	3210.9
12.5°	2335.1	2346.5	2359.6	2395.5	2470.7	2482.1	2608.0	2782.8	2980.5	3199.5
15°	2335.1	2343.2	2351.4	2369.4	2429.8	2439.6	2550.8	2725.6	2947.8	3204.4
17.5°	2359.6	2372.6	2366.1	2387.4	2451.1	2457.6	2555.7	2709.3	2946.2	3235.4
20°	2418.4	2428.2	2415.1	2428.2	2491.9	2505.0	2606.3	2740.3	2974.0	3289.4
22.5°	2511.5	2516.4	2485.4	2495.2	2560.6	2576.9	2694.6	2828.6	3041.0	3376.0
25°	2629.2	2639.0	2591.6	2603.1	2665.1	2684.8	2820.4	2960.9	3147.2	3495.2
27.5°	2764.8	2769.7	2728.9	2727.2	2807.3	2835.1	2972.3	3124.3	3289.4	3645.6
30°	2920.1	2934.8	2895.5	2889.0	2990.3	3013.2	3148.8	3325.3	3498.5	3871.1
32.5°	3042.6	3054.1	3031.2	3047.5	3150.5	3168.4	3362.9	3609.6	3827.0	4191.4
35°	3219.1	3225.6	3173.3	3202.7	3320.4	3366.2	3655.4	4008.3	4240.4	4593.3
37.5°	3858.0	3858.0	3635.8	3490.3	3603.1	3643.9	4055.7	4510.0	4750.2	5132.6
40°	4742.0	4727.3	4402.1	4104.7	4090.0	4170.1	4626.0	5142.4	5408.7	5779.7
42.5°	5684.9	5662.0	5219.2	4925.0	4876.0	4903.8	5284.5	5921.8	6193.1	6568.9
45°	6521.5	6515.0	6109.7	5714.3	5626.1	5714.3	6106.5	6833.6	7028.1	7423.5
47.5°	7222.5	7222.5	6926.8	6668.6	6622.8	6675.1	7219.3	7845.1	7827.1	8333.7
50°	8029.8	8023.2	7742.2	7631.0	7678.4	7752.0	8500.4	8910.5	8654.0	9227.5
52.5°	8595.1	8634.4	8537.9	8520.0	8761.8	8889.3	9801.1	9953.0	9394.2	10075.6
55°	9042.9	9088.6	9199.7	9325.6	9791.3	9957.9	11060.9	10941.6	10013.5	10810.9
57.5°	9676.9	9611.5	9783.1	10031.5	10784.8	10985.8	12281.6	11874.7	10511.9	11407.3
60°	10446.5	10456.3	10485.7	10799.5	11776.6	12034.8	13484.2	12757.1	10832.2	11773.4
62.5°	11371.4	11386.1	11446.6	11928.6	13108.4	13351.9	14765.3	13479.3	10979.2	11670.4
65°	11307.7	11369.8	12044.6	13693.4	15133.0	15373.2	16260.5	13985.9	10757.0	10729.2
67.5°	10301.1	10402.4	11531.5	15801.3	18185.4	18453.4	18067.8	14085.6	9797.8	8343.5
70°	8980.8	9016.7	10374.6	17696.8	21719.9	21991.1	19685.5	12989.1	7435.0	4653.8
72.5°	7013.4	7021.5	8614.7	18136.4	23638.3	23653.0	18415.8	9642.6	3998.5	1787.7
75°	5010.0	4961.0	5769.9	14708.1	20796.6	20963.3	13806.1	4523.1	1527.8	844.8
77.5°	2686.4	2740.3	3264.8	8722.6	14366.6	14650.9	7533.0	1304.0	777.8	575.2
80°	830.1	875.9	1338.3	3993.6	8137.6	8309.2	2792.6	580.1	542.5	410.1
82.5°	261.4	271.3	624.2	1678.2	3377.6	3456.0	808.9	328.4	370.9	271.3
85°	75.2	76.8	277.8	625.8	835.0	851.3	227.1	127.5	212.4	168.3
87.5°	8.2	26.1	104.6	104.6	73.5	71.9	24.5	27.8	60.5	21.2
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°
3232.2	0°	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2	3232.2
3246.9	2.5°	3238.7	3240.3	3219.1	3183.1	3143.9	3111.2	3070.4	3037.7	3014.8	3008.3
3276.3	5°	3261.6	3250.1	3189.7	3080.2	2949.5	2836.7	2710.9	2611.2	2545.9	2518.1
3307.3	7.5°	3295.9	3263.2	3130.9	2915.2	2665.1	2442.9	2217.4	2042.6	1931.5	1875.9
3336.7	10°	3325.3	3259.9	3032.8	2676.6	2294.2	1957.6	1653.7	1442.9	1325.2	1269.7
3371.1	12.5°	3353.1	3258.3	2905.4	2393.9	1875.9	1464.1	1181.4	1076.8	1044.2	1032.7
3426.6	15°	3405.4	3263.2	2745.2	2070.3	1459.2	1106.3	1003.3	1001.7	1008.2	1004.9
3511.6	17.5°	3477.3	3268.1	2563.8	1727.2	1125.9	975.5	970.6	985.3	995.1	990.2
3617.8	20°	3570.4	3287.7	2371.0	1387.3	967.4	942.9	954.3	967.4	975.5	967.4
3760.0	22.5°	3701.1	3322.0	2160.2	1114.4	916.7	923.2	933.0	947.8	955.9	944.5
3941.3	25°	3861.3	3376.0	1952.7	969.0	892.2	900.4	915.1	931.4	941.2	929.8
4170.1	27.5°	4068.8	3462.6	1761.5	936.3	867.7	872.6	893.8	918.3	931.4	916.7
4495.3	30°	4369.5	3604.7	1596.5	951.0	853.0	841.5	871.0	905.3	920.0	906.9
4938.1	32.5°	4768.2	3805.7	1495.2	973.9	846.4	805.6	833.4	877.5	902.0	893.8
5516.6	35°	5291.1	4111.3	1455.9	1000.0	841.5	768.0	787.6	835.0	877.5	885.7
6245.4	37.5°	5925.1	4536.1	1467.4	1011.5	826.8	737.0	746.8	787.6	843.2	869.3
7065.7	40°	6645.7	5031.3	1532.7	1000.0	810.5	710.8	712.4	743.5	792.5	831.7
7948.0	42.5°	7389.2	5609.7	1653.7	957.6	795.8	687.9	683.0	704.3	737.0	764.7
8828.8	45°	8096.7	6204.5	1773.0	898.7	777.8	665.1	653.6	661.8	668.3	679.8
9686.7	47.5°	8714.4	6622.8	1738.6	844.8	753.3	638.9	619.3	616.0	596.4	594.8
10453.1	50°	9140.9	6714.3	1544.2	790.9	717.4	609.5	578.5	558.8	524.5	508.2
11026.6	52.5°	9276.5	6353.2	1261.5	737.0	658.5	570.3	526.2	495.1	452.6	437.9
11356.7	55°	9096.8	5645.7	1008.2	671.6	576.8	518.0	469.0	428.1	393.8	375.8
11392.6	57.5°	8657.2	4745.3	797.4	594.8	490.2	459.2	410.1	369.3	339.9	321.9
10993.9	60°	7928.4	3768.1	630.7	503.3	418.3	395.4	344.8	318.6	292.5	271.3
9964.5	62.5°	6822.2	2689.7	495.1	398.7	349.7	323.5	294.1	274.5	243.5	214.1
8113.1	65°	5323.8	1645.5	382.4	292.5	281.1	268.0	250.0	232.0	194.5	165.0
5292.7	67.5°	3358.0	779.4	272.9	220.6	222.2	215.7	207.5	192.8	165.0	138.9
2371.0	70°	1478.8	377.5	179.7	168.3	165.0	165.0	171.6	166.7	140.5	116.0
823.6	72.5°	503.3	202.6	134.0	127.5	119.3	117.7	143.8	138.9	112.7	89.9
410.1	75°	263.1	135.6	98.0	91.5	71.9	86.6	114.4	107.8	80.1	58.8
271.3	77.5°	171.6	96.4	67.0	58.8	40.9	57.2	85.0	75.2	47.4	29.4
178.1	80°	107.8	63.7	39.2	27.8	19.6	31.0	45.8	32.7	18.0	6.5
104.6	82.5°	57.2	32.7	14.7	9.8	8.2	9.8	11.4	8.2	3.3	0.0
53.9	85°	22.9	11.4	4.9	3.3	1.6	0.0	3.3	1.6	0.0	0.0
9.8	87.5°	8.2	1.6	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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3232.2
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