

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: P852558

Luminaire Tested: **GLAN-SB4D-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852558
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-SB4D-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA 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: 24147 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

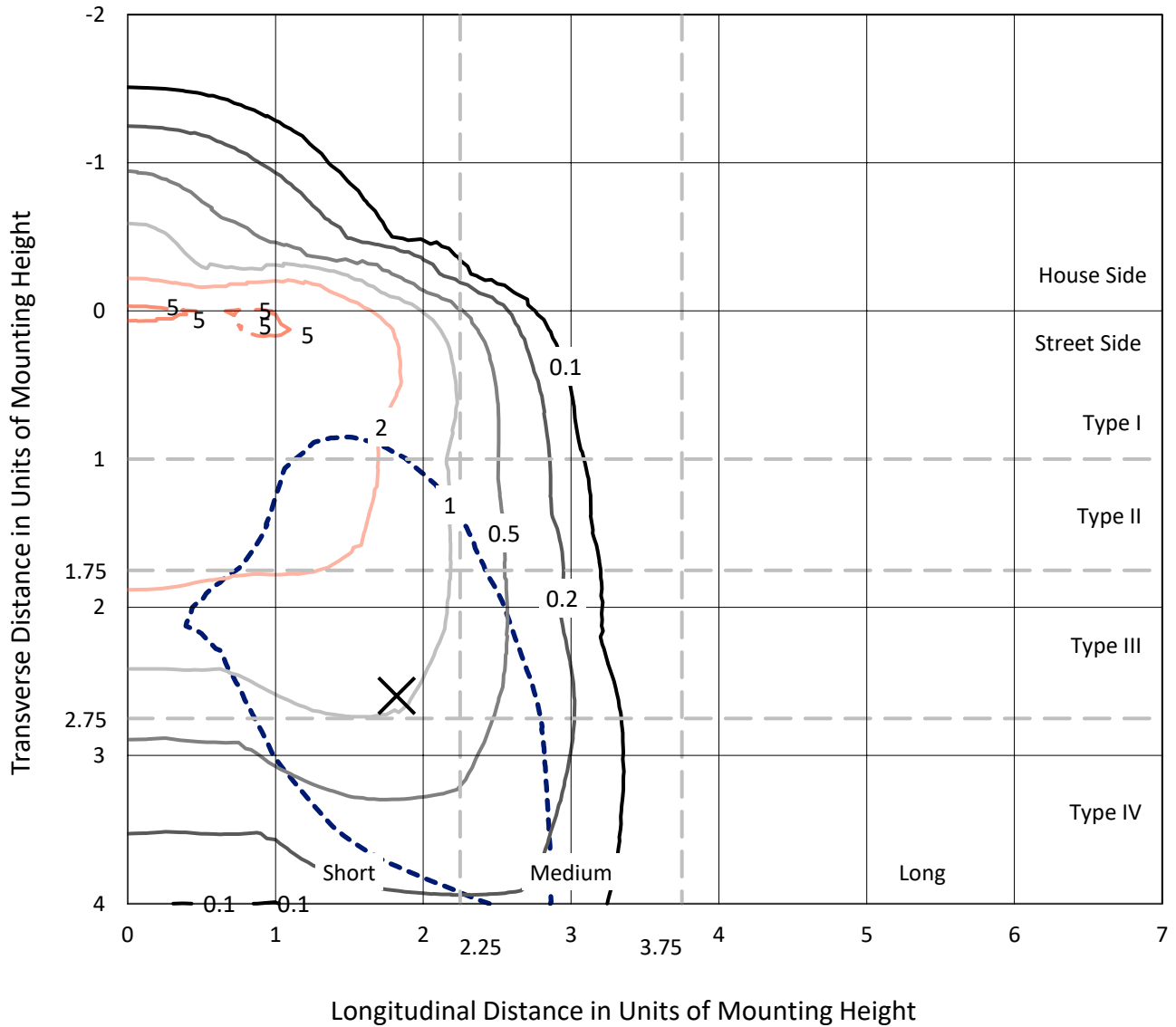
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

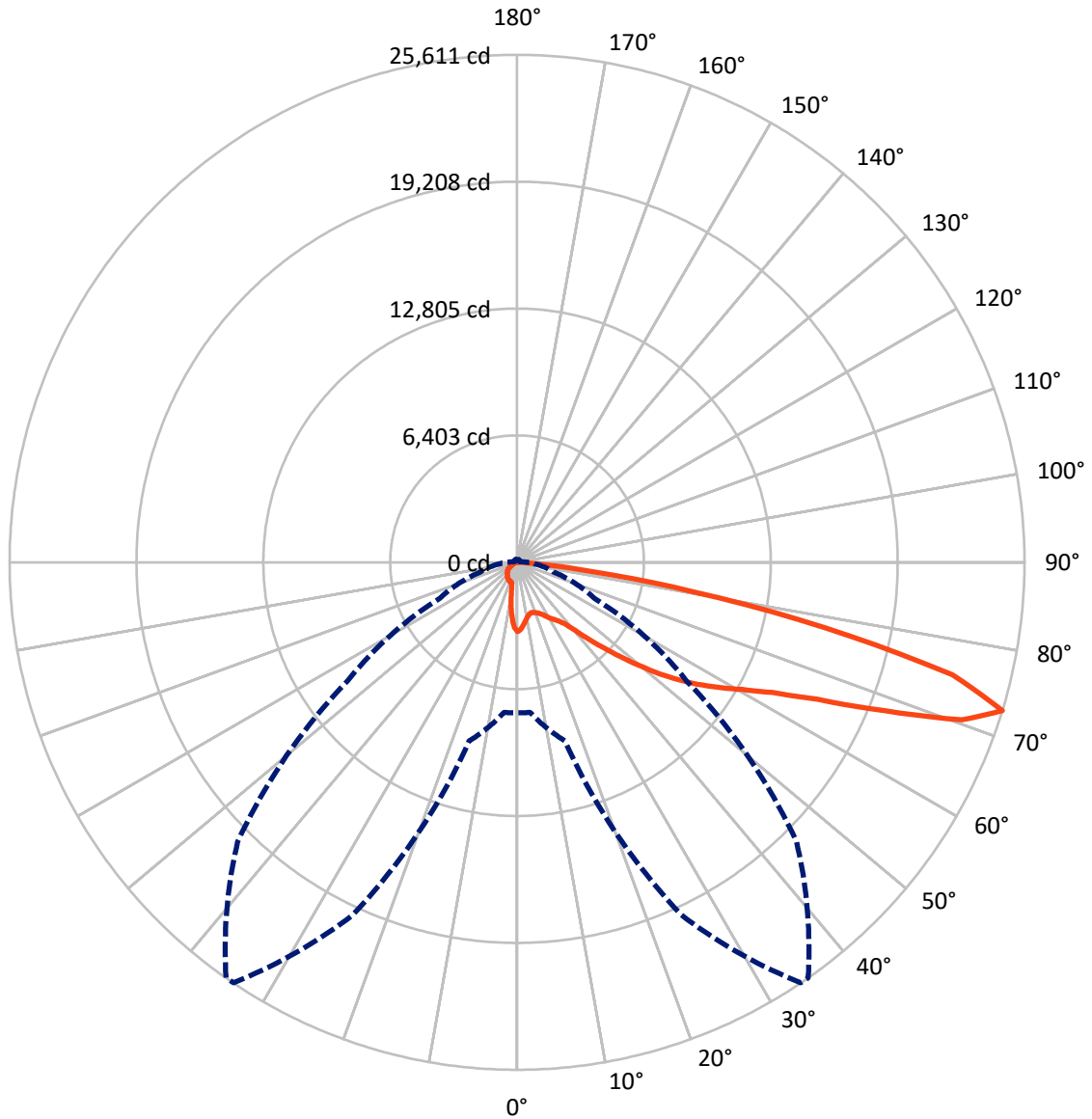
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	2717.6	0.0	2717.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	21429.4	0.0	21429.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	24147.0	0.0	24147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.6	1.2
10°-20°	672.8	2.8
20°-30°	1092.9	4.5
30°-40°	1823.5	7.6
40°-50°	3450.1	14.3
50°-60°	5482.1	22.7
60°-70°	6781.8	28.1
70°-80°	4215.6	17.5
80°-90°	340.7	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°	24147.0	100.0
0°-180°	24147.0	100.0

Coefficient of Utilization



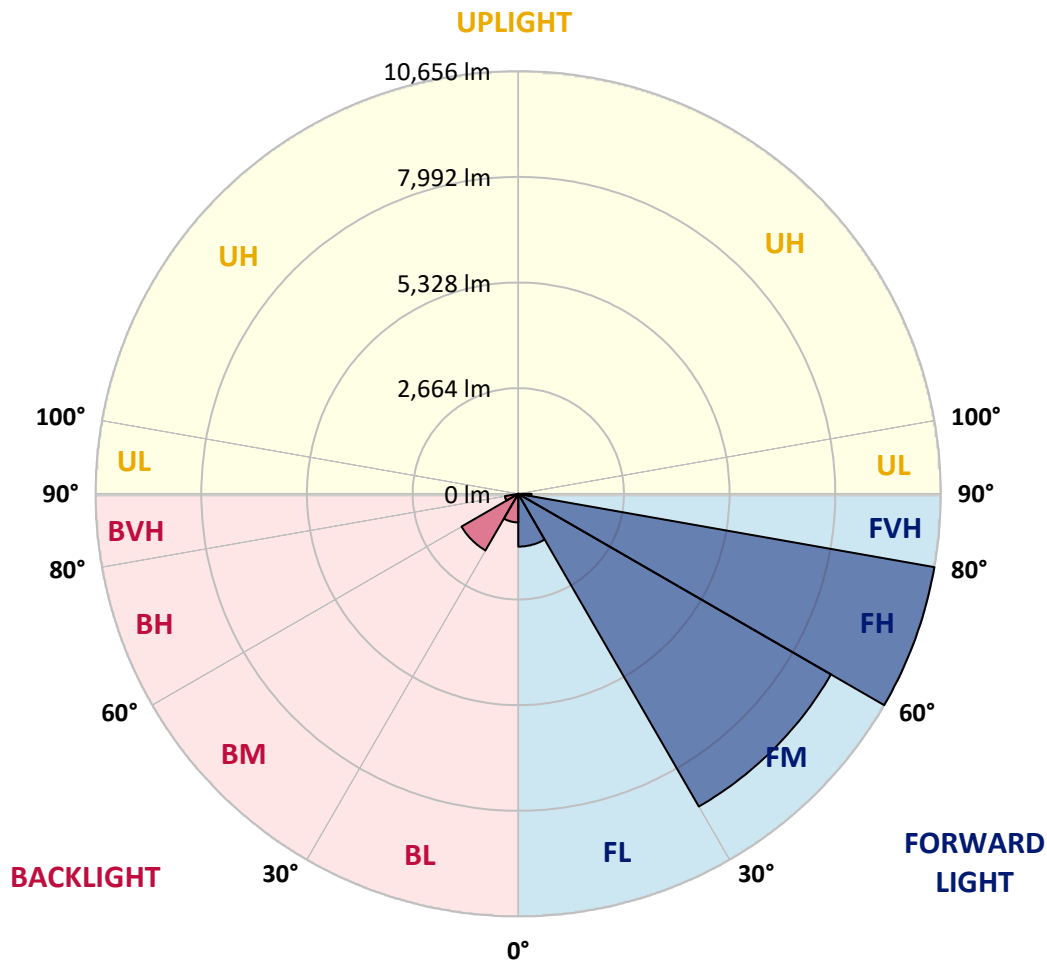
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1331.1	5.5			
FM	(30°-60°)	9105.8	37.7			
FH	(60°-80°)	10656.4	44.1			G4/12000
FVH	(80°-90°)	336.0	1.4			G3/500
BL	(0°-30°)	722.1	3.0	B2/1000		
BM	(30°-60°)	1649.8	6.8	B2/2500		
BH	(60°-80°)	341.0	1.4	B1/500		G1/500
BVH	(80°-90°)	4.6	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°	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7
2.5°	3344.0	3372.3	3377.6	3386.5	3386.5	3397.1	3414.8	3439.6	3480.2	3501.5
5°	3082.2	3103.4	3129.9	3151.2	3191.8	3197.2	3266.2	3333.4	3427.2	3497.9
7.5°	2818.5	2843.3	2878.7	2930.0	2983.1	2999.0	3103.4	3216.6	3365.2	3497.9
10°	2632.7	2634.5	2666.4	2717.7	2802.6	2822.1	2949.5	3110.5	3296.2	3476.7
12.5°	2528.4	2540.7	2554.9	2593.8	2675.2	2687.6	2823.8	3013.1	3227.2	3464.3
15°	2528.4	2537.2	2546.0	2565.5	2631.0	2641.6	2761.9	2951.2	3191.8	3469.6
17.5°	2554.9	2569.0	2562.0	2585.0	2654.0	2661.1	2767.2	2933.5	3190.1	3503.2
20°	2618.6	2629.2	2615.1	2629.2	2698.2	2712.4	2822.1	2967.1	3220.2	3561.6
22.5°	2719.4	2724.7	2691.1	2701.7	2772.5	2790.2	2917.6	3062.7	3292.7	3655.4
25°	2846.8	2857.4	2806.1	2818.5	2885.8	2907.0	3053.8	3206.0	3407.7	3784.6
27.5°	2993.7	2999.0	2954.8	2953.0	3039.7	3069.8	3218.4	3382.9	3561.6	3947.3
30°	3161.8	3177.7	3135.2	3128.2	3237.9	3262.6	3409.5	3600.6	3788.1	4191.5
32.5°	3294.5	3306.9	3282.1	3299.8	3411.2	3430.7	3641.3	3908.4	4143.7	4538.3
35°	3485.6	3492.6	3436.0	3467.9	3595.3	3644.8	3958.0	4340.1	4591.4	4973.6
37.5°	4177.4	4177.4	3936.7	3779.3	3901.3	3945.6	4391.4	4883.3	5143.4	5557.4
40°	5134.6	5118.6	4766.5	4444.5	4428.6	4515.3	5008.9	5568.0	5856.4	6258.1
42.5°	6155.5	6130.7	5651.2	5332.7	5279.6	5309.7	5722.0	6412.0	6705.7	7112.7
45°	7061.3	7054.3	6615.5	6187.3	6091.8	6187.3	6611.9	7399.3	7609.8	8038.0
47.5°	7820.4	7820.4	7500.1	7220.6	7171.0	7227.7	7816.8	8494.5	8475.0	9023.5
50°	8694.4	8687.3	8383.0	8262.7	8314.0	8393.6	9204.0	9648.1	9370.3	9991.3
52.5°	9306.6	9349.1	9244.7	9225.2	9487.1	9625.1	10612.4	10776.9	10171.8	10909.6
55°	9791.4	9840.9	9961.3	10097.5	10601.8	10782.2	11976.5	11847.3	10842.4	11705.8
57.5°	10477.9	10407.1	10592.9	10861.8	11677.5	11895.1	13298.2	12857.6	11382.0	12351.6
60°	11311.2	11321.9	11353.7	11693.4	12751.5	13031.0	14600.4	13813.1	11728.8	12747.9
62.5°	12312.7	12328.6	12394.1	12916.0	14193.5	14457.1	15987.6	14595.1	11888.0	12636.5
65°	12243.7	12310.9	13041.6	14826.9	16385.6	16645.7	17606.5	15143.6	11647.4	11617.3
67.5°	11153.8	11263.5	12486.1	17109.3	19690.7	19980.9	19563.3	15251.5	10608.8	9034.1
70°	9724.2	9763.1	11233.4	19161.7	23517.8	23811.5	21315.0	14064.3	8050.4	5039.0
72.5°	7593.9	7602.8	9327.8	19637.7	25594.9	25610.9	19940.2	10440.7	4329.5	1935.6
75°	5424.7	5371.6	6247.5	15925.6	22518.1	22698.6	14949.0	4897.5	1654.3	914.7
77.5°	2908.8	2967.1	3535.1	9444.6	15555.8	15863.7	8156.6	1411.9	842.2	622.8
80°	898.8	948.4	1449.1	4324.2	8811.2	8997.0	3023.8	628.1	587.4	444.1
82.5°	283.1	293.7	675.9	1817.1	3657.2	3742.1	875.8	355.6	401.6	293.7
85°	81.4	83.2	300.8	677.6	904.1	921.8	245.9	138.0	230.0	182.2
87.5°	8.8	28.3	113.2	113.2	79.6	77.8	26.5	30.1	65.5	23.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3499.7	0°	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7	3499.7
3515.6	2.5°	3506.8	3508.6	3485.6	3446.6	3404.2	3368.8	3324.5	3289.2	3264.4	3257.3
3547.5	5°	3531.6	3519.2	3453.7	3335.2	3193.6	3071.5	2935.3	2827.4	2756.6	2726.5
3581.1	7.5°	3568.7	3533.3	3390.0	3156.5	2885.8	2645.1	2401.0	2211.6	2091.3	2031.2
3612.9	10°	3600.6	3529.8	3283.9	2898.1	2484.1	2119.6	1790.5	1562.3	1434.9	1374.8
3650.1	12.5°	3630.6	3528.0	3145.8	2592.1	2031.2	1585.3	1279.2	1166.0	1130.6	1118.2
3710.3	15°	3687.3	3533.3	2972.5	2241.7	1580.0	1197.8	1086.4	1084.6	1091.7	1088.1
3802.3	17.5°	3765.1	3538.6	2776.1	1870.2	1219.1	1056.3	1051.0	1066.9	1077.5	1072.2
3917.3	20°	3866.0	3559.9	2567.3	1502.2	1047.4	1020.9	1033.3	1047.4	1056.3	1047.4
4071.2	22.5°	4007.5	3597.0	2339.0	1206.7	992.6	999.7	1010.3	1026.2	1035.1	1022.7
4267.6	25°	4180.9	3655.4	2114.3	1049.2	966.0	974.9	990.8	1008.5	1019.1	1006.7
4515.3	27.5°	4405.6	3749.2	1907.3	1013.8	939.5	944.8	967.8	994.4	1008.5	992.6
4867.4	30°	4731.2	3903.1	1728.6	1029.7	923.6	911.2	943.0	980.2	996.1	982.0
5346.9	32.5°	5162.9	4120.7	1618.9	1054.5	916.5	872.3	902.4	950.1	976.7	967.8
5973.2	35°	5729.0	4451.6	1576.5	1082.8	911.2	831.6	852.8	904.1	950.1	959.0
6762.3	37.5°	6415.5	4911.6	1588.8	1095.2	895.3	798.0	808.6	852.8	913.0	941.3
7650.5	40°	7195.8	5447.7	1659.6	1082.8	877.6	769.7	771.4	805.0	858.1	900.6
8606.0	42.5°	8000.9	6074.1	1790.5	1036.8	861.7	744.9	739.6	762.6	798.0	828.0
9559.6	45°	8767.0	6718.1	1919.7	973.1	842.2	720.1	707.7	716.6	723.7	736.0
10488.5	47.5°	9435.8	7171.0	1882.6	914.7	815.7	691.8	670.6	667.0	645.8	644.0
11318.3	50°	9897.6	7270.1	1672.0	856.3	776.7	660.0	626.3	605.1	568.0	550.3
11939.4	52.5°	10044.4	6879.1	1365.9	798.0	713.0	617.5	569.7	536.1	490.1	474.2
12296.8	55°	9849.8	6113.0	1091.7	727.2	624.6	560.9	507.8	463.6	426.4	406.9
12335.7	57.5°	9373.8	5138.1	863.4	644.0	530.8	497.2	444.1	399.9	368.0	348.6
11904.0	60°	8584.7	4080.0	683.0	544.9	452.9	428.2	373.3	345.0	316.7	293.7
10789.3	62.5°	7386.9	2912.3	536.1	431.7	378.6	350.3	318.5	297.2	263.6	231.8
8784.7	65°	5764.4	1781.7	414.0	316.7	304.3	290.2	270.7	251.2	210.5	178.7
5730.8	67.5°	3635.9	844.0	295.5	238.9	240.6	233.5	224.7	208.8	178.7	150.4
2567.3	70°	1601.2	408.7	194.6	182.2	178.7	178.7	185.8	180.5	152.2	125.6
891.7	72.5°	544.9	219.4	145.1	138.0	129.2	127.4	155.7	150.4	122.1	97.3
444.1	75°	284.9	146.9	106.2	99.1	77.8	93.8	123.9	116.8	86.7	63.7
293.7	77.5°	185.8	104.4	72.5	63.7	44.2	61.9	92.0	81.4	51.3	31.8
192.9	80°	116.8	69.0	42.5	30.1	21.2	33.6	49.5	35.4	19.5	7.1
113.2	82.5°	61.9	35.4	15.9	10.6	8.8	10.6	12.4	8.8	3.5	0.0
58.4	85°	24.8	12.4	5.3	3.5	1.8	0.0	3.5	1.8	0.0	0.0
10.6	87.5°	8.8	1.8	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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3499.7
3269.7
2737.1
2040.0
1376.5
1114.7
1086.4
1070.4
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1005.0
992.6
980.2
967.8
959.0
948.4
914.7
840.4
743.1
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552.0
472.4
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