

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: P853150

Luminaire Tested: **GLAN-SB9A-827-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853150
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-SB9A-827-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 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: 24665 lumens
Efficiency: N/A
Efficacy: 96.5 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

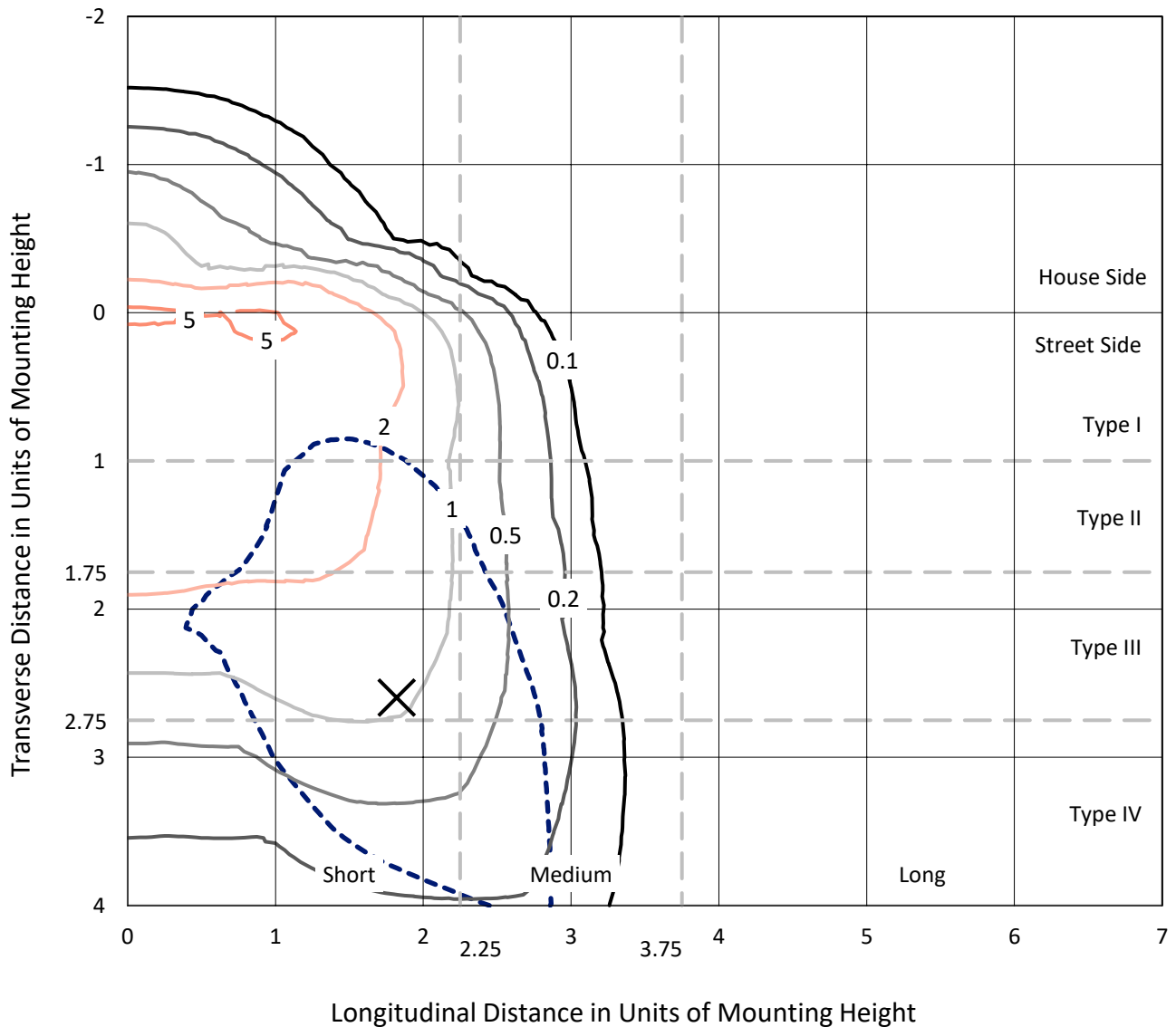
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

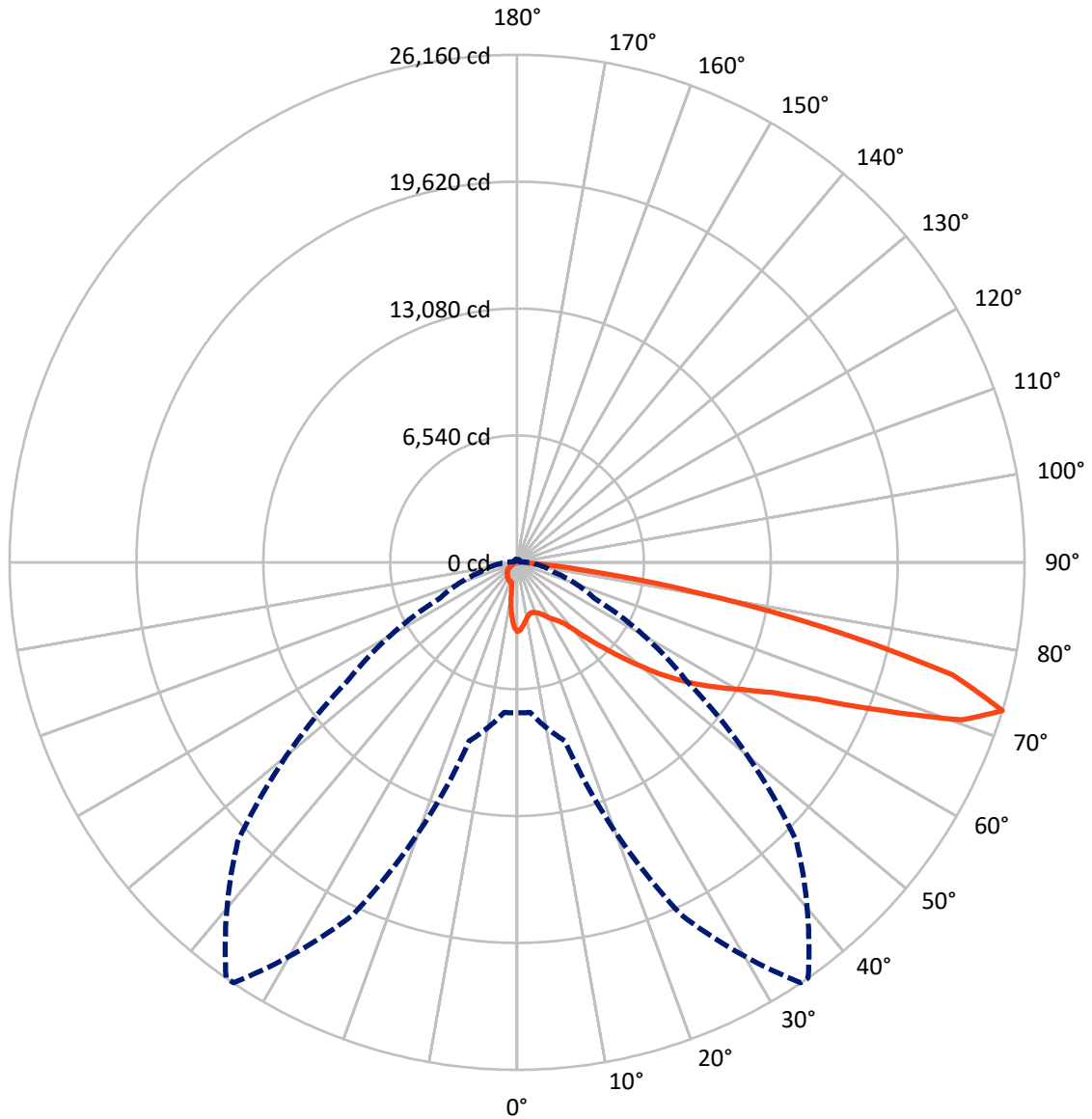
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	2775.9	0.0	2775.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	21889.1	0.0	21889.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	24665.0	0.0	24665.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.8	1.2
10°-20°	687.2	2.8
20°-30°	1116.3	4.5
30°-40°	1862.6	7.6
40°-50°	3524.1	14.3
50°-60°	5599.7	22.7
60°-70°	6927.3	28.1
70°-80°	4306.0	17.5
80°-90°	348.0	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°	24665.0	100.0
0°-180°	24665.0	100.0

Coefficient of Utilization



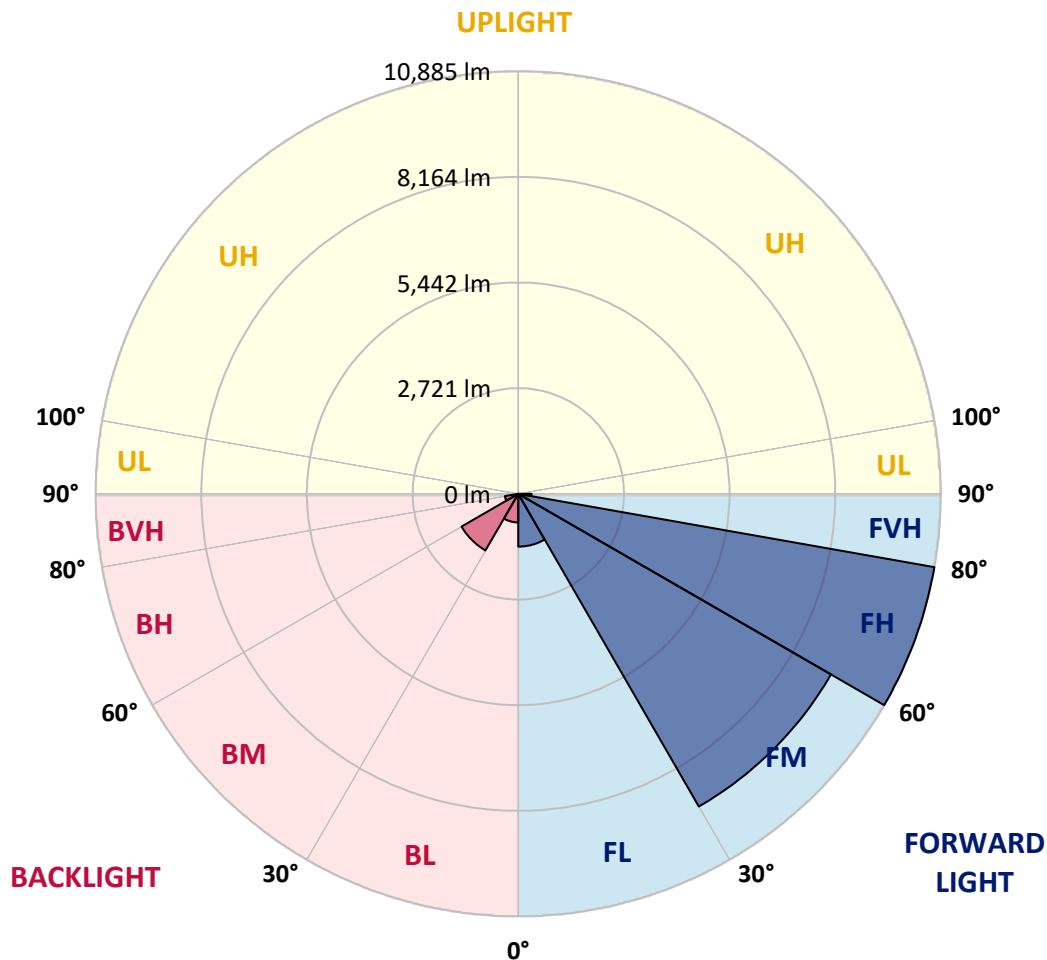
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1359.7	5.5			
FM	(30°-60°)	9301.2	37.7			
FH	(60°-80°)	10885.0	44.1			G4/12000
FVH	(80°-90°)	343.3	1.4			G3/500
BL	(0°-30°)	737.6	3.0	B2/1000		
BM	(30°-60°)	1685.2	6.8	B2/2500		
BH	(60°-80°)	348.3	1.4	B1/500		G1/500
BVH	(80°-90°)	4.7	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°	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8
2.5°	3415.7	3444.7	3450.1	3459.1	3459.1	3470.0	3488.0	3513.3	3554.9	3576.6
5°	3148.3	3170.0	3197.1	3218.8	3260.3	3265.7	3336.2	3404.9	3500.7	3573.0
7.5°	2879.0	2904.3	2940.4	2992.8	3047.1	3063.3	3170.0	3285.6	3437.4	3573.0
10°	2689.2	2691.0	2723.6	2776.0	2862.7	2882.6	3012.7	3177.2	3366.9	3551.3
12.5°	2582.6	2595.2	2609.7	2649.5	2732.6	2745.2	2884.4	3077.8	3296.5	3538.6
15°	2582.6	2591.6	2600.7	2620.5	2687.4	2698.3	2821.2	3014.5	3260.3	3544.1
17.5°	2609.7	2624.2	2616.9	2640.4	2710.9	2718.1	2826.6	2996.5	3258.5	3578.4
20°	2674.8	2685.6	2671.1	2685.6	2756.1	2770.5	2882.6	3030.8	3289.2	3638.0
22.5°	2777.8	2783.2	2748.9	2759.7	2832.0	2850.1	2980.2	3128.4	3363.3	3733.8
25°	2907.9	2918.7	2866.3	2879.0	2947.7	2969.3	3119.4	3274.8	3480.8	3865.8
27.5°	3057.9	3063.3	3018.1	3016.3	3104.9	3135.6	3287.4	3455.5	3638.0	4032.0
30°	3229.6	3245.9	3202.5	3195.3	3307.3	3332.6	3482.6	3677.8	3869.4	4281.4
32.5°	3365.1	3377.8	3352.5	3370.6	3484.4	3504.3	3719.4	3992.3	4232.6	4635.7
35°	3560.3	3567.6	3509.7	3542.3	3672.4	3723.0	4042.9	4433.2	4689.9	5080.2
37.5°	4267.0	4267.0	4021.2	3860.3	3985.0	4030.2	4485.7	4988.1	5253.7	5676.6
40°	5244.7	5228.4	4868.8	4539.9	4523.6	4612.2	5116.4	5687.5	5982.1	6392.3
42.5°	6287.5	6262.2	5772.4	5447.1	5392.9	5423.6	5844.7	6549.6	6849.6	7265.2
45°	7212.8	7205.6	6757.4	6320.0	6222.4	6320.0	6753.8	7558.0	7773.1	8210.4
47.5°	7988.1	7988.1	7661.0	7375.5	7324.9	7382.7	7984.5	8676.7	8656.8	9217.1
50°	8880.9	8873.7	8562.9	8440.0	8492.4	8573.7	9401.4	9855.1	9571.3	10205.7
52.5°	9506.3	9549.6	9443.0	9423.1	9690.6	9831.6	10840.0	11008.1	10390.0	11143.6
55°	10001.4	10052.1	10174.9	10314.1	10829.2	11013.5	12233.4	12101.5	11075.0	11956.9
57.5°	10702.7	10630.4	10820.1	11094.8	11928.0	12150.3	13583.5	13133.5	11626.2	12616.6
60°	11553.9	11564.7	11597.3	11944.3	13025.0	13310.6	14913.6	14109.4	11980.4	13021.4
62.5°	12576.8	12593.1	12659.9	13193.1	14497.9	14767.2	16330.5	14908.2	12143.1	12907.5
65°	12506.3	12575.0	13321.4	15144.9	16737.2	17002.8	17984.2	15468.4	11897.3	11866.6
67.5°	11393.0	11505.1	12753.9	17476.3	20113.1	20409.5	19983.0	15578.7	10836.4	9227.9
70°	9932.8	9972.5	11474.4	19572.8	24022.3	24322.3	21772.2	14366.0	8223.1	5147.1
72.5°	7756.8	7765.9	9527.9	20058.9	26144.0	26160.3	20368.0	10664.7	4422.4	1977.2
75°	5541.1	5486.9	6381.5	16267.3	23001.2	23185.5	15269.6	5002.5	1689.8	934.4
77.5°	2971.2	3030.8	3610.9	9647.2	15889.5	16204.0	8331.5	1442.2	860.3	636.2
80°	918.1	968.7	1480.2	4417.0	9000.2	9190.0	3088.6	641.6	600.0	453.6
82.5°	289.2	300.0	690.4	1856.1	3735.6	3822.4	894.6	363.3	410.3	300.0
85°	83.1	84.9	307.2	692.2	923.5	941.6	251.2	141.0	234.9	186.1
87.5°	9.0	28.9	115.7	115.7	81.3	79.5	27.1	30.7	66.9	23.5
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°
3574.8	0°	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8	3574.8
3591.1	2.5°	3582.0	3583.8	3560.3	3520.6	3477.2	3441.0	3395.9	3359.7	3334.4	3327.2
3623.6	5°	3607.3	3594.7	3527.8	3406.7	3262.1	3137.4	2998.3	2888.0	2815.7	2785.0
3657.9	7.5°	3645.3	3609.1	3462.7	3224.2	2947.7	2701.9	2452.5	2259.1	2136.2	2074.7
3690.5	10°	3677.8	3605.5	3354.3	2960.3	2537.4	2165.1	1829.0	1595.8	1465.7	1404.3
3728.4	12.5°	3708.5	3603.7	3213.3	2647.7	2074.7	1619.3	1306.7	1191.0	1154.8	1142.2
3789.9	15°	3766.4	3609.1	3036.2	2289.8	1613.9	1223.5	1109.7	1107.9	1115.1	1111.5
3883.8	17.5°	3845.9	3614.5	2835.6	1910.3	1245.2	1078.9	1073.5	1089.8	1100.6	1095.2
4001.3	20°	3948.9	3636.2	2622.4	1534.4	1069.9	1042.8	1055.4	1069.9	1078.9	1069.9
4158.5	22.5°	4093.5	3674.2	2389.2	1232.6	1013.9	1021.1	1032.0	1048.2	1057.3	1044.6
4359.1	25°	4270.6	3733.8	2159.7	1071.7	986.8	995.8	1012.1	1030.1	1041.0	1028.3
4612.2	27.5°	4500.1	3829.6	1948.2	1035.6	959.7	965.1	988.6	1015.7	1030.1	1013.9
4971.8	30°	4832.6	3986.8	1765.7	1051.8	943.4	930.7	963.3	1001.2	1017.5	1003.0
5461.6	32.5°	5273.6	4209.1	1653.7	1077.1	936.2	891.0	921.7	970.5	997.6	988.6
6101.4	35°	5851.9	4547.1	1610.3	1106.1	930.7	849.4	871.1	923.5	970.5	979.5
6907.4	37.5°	6553.2	5017.0	1622.9	1118.7	914.5	815.1	825.9	871.1	932.6	961.5
7814.6	40°	7350.2	5564.6	1695.2	1106.1	896.4	786.2	788.0	822.3	876.5	919.9
8790.6	42.5°	8172.5	6204.4	1829.0	1059.1	880.1	760.9	755.4	778.9	815.1	845.8
9764.7	45°	8955.0	6862.2	1960.9	994.0	860.3	735.6	722.9	731.9	739.2	751.8
10713.5	47.5°	9638.2	7324.9	1922.9	934.4	833.2	706.6	685.0	681.3	659.7	657.8
11561.1	50°	10109.9	7426.1	1707.9	874.7	793.4	674.1	639.8	618.1	580.1	562.1
12195.5	52.5°	10259.9	7026.7	1395.2	815.1	728.3	630.7	581.9	547.6	500.6	484.3
12560.5	55°	10061.1	6244.1	1115.1	742.8	638.0	572.9	518.7	473.5	435.6	415.7
12600.3	57.5°	9574.9	5248.3	881.9	657.8	542.2	507.8	453.6	408.4	375.9	356.0
12159.3	60°	8768.9	4167.6	697.6	556.6	462.7	437.4	381.3	352.4	323.5	300.0
11020.7	62.5°	7545.4	2974.8	547.6	441.0	386.8	357.8	325.3	303.6	269.3	236.8
8973.1	65°	5888.1	1819.9	422.9	323.5	310.9	296.4	276.5	256.6	215.1	182.5
5853.8	67.5°	3713.9	862.1	301.8	244.0	245.8	238.6	229.5	213.3	182.5	153.6
2622.4	70°	1635.6	417.5	198.8	186.1	182.5	182.5	189.8	184.3	155.4	128.3
910.9	72.5°	556.6	224.1	148.2	141.0	131.9	130.1	159.0	153.6	124.7	99.4
453.6	75°	291.0	150.0	108.4	101.2	79.5	95.8	126.5	119.3	88.6	65.1
300.0	77.5°	189.8	106.6	74.1	65.1	45.2	63.3	94.0	83.1	52.4	32.5
197.0	80°	119.3	70.5	43.4	30.7	21.7	34.3	50.6	36.1	19.9	7.2
115.7	82.5°	63.3	36.1	16.3	10.8	9.0	10.8	12.7	9.0	3.6	0.0
59.6	85°	25.3	12.7	5.4	3.6	1.8	0.0	3.6	1.8	0.0	0.0
10.8	87.5°	9.0	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°
3574.8
3339.8
2795.9
2083.8
1406.1
1138.6
1109.7
1093.4
1068.1
1042.8
1026.5
1013.9
1001.2
988.6
979.5
968.7
934.4
858.5
759.1
656.0
563.9
482.5
415.7
352.4
294.6
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