

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: P851207

Luminaire Tested: **GLAN-SB9A-827-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-827-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25549 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

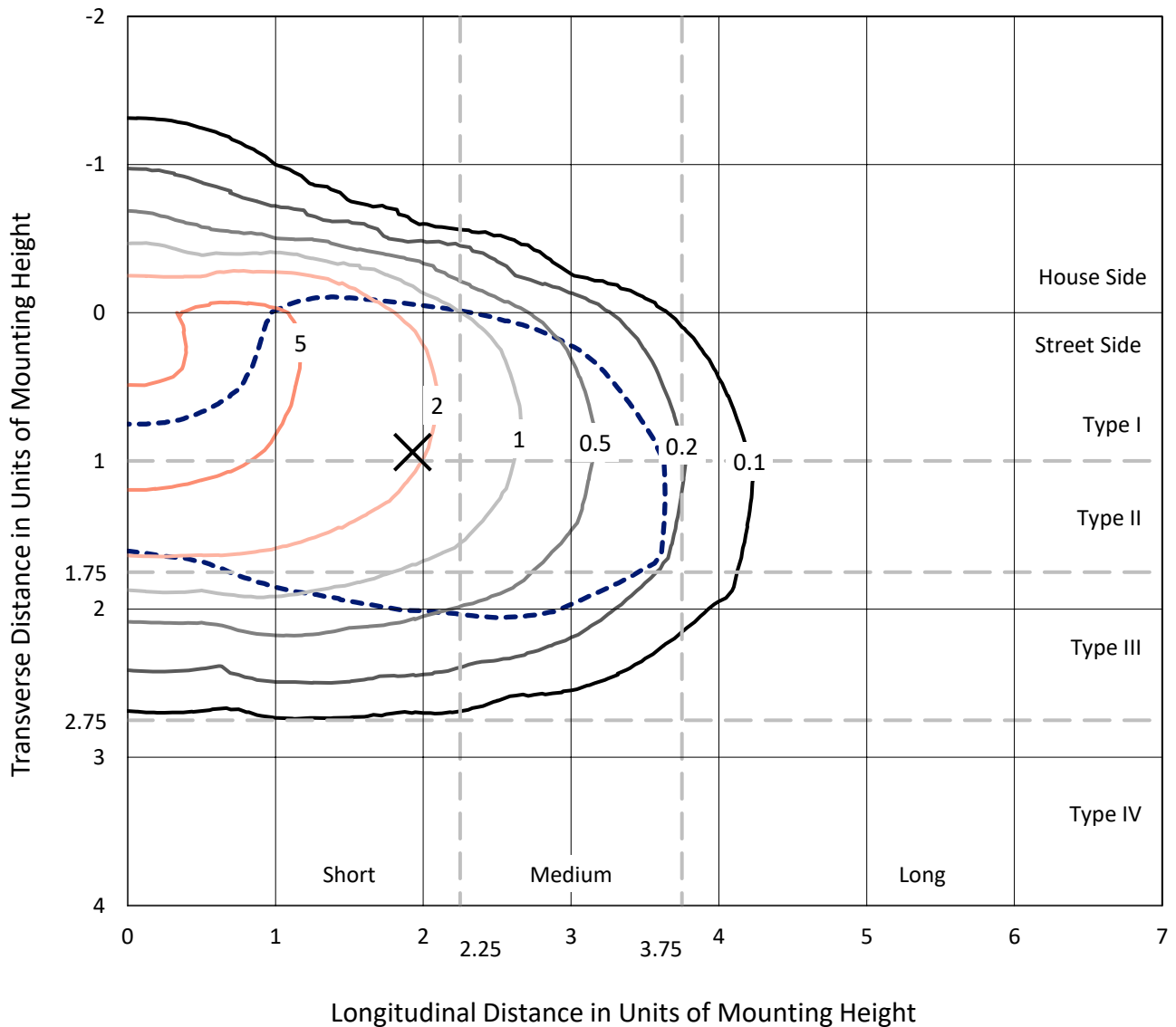
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

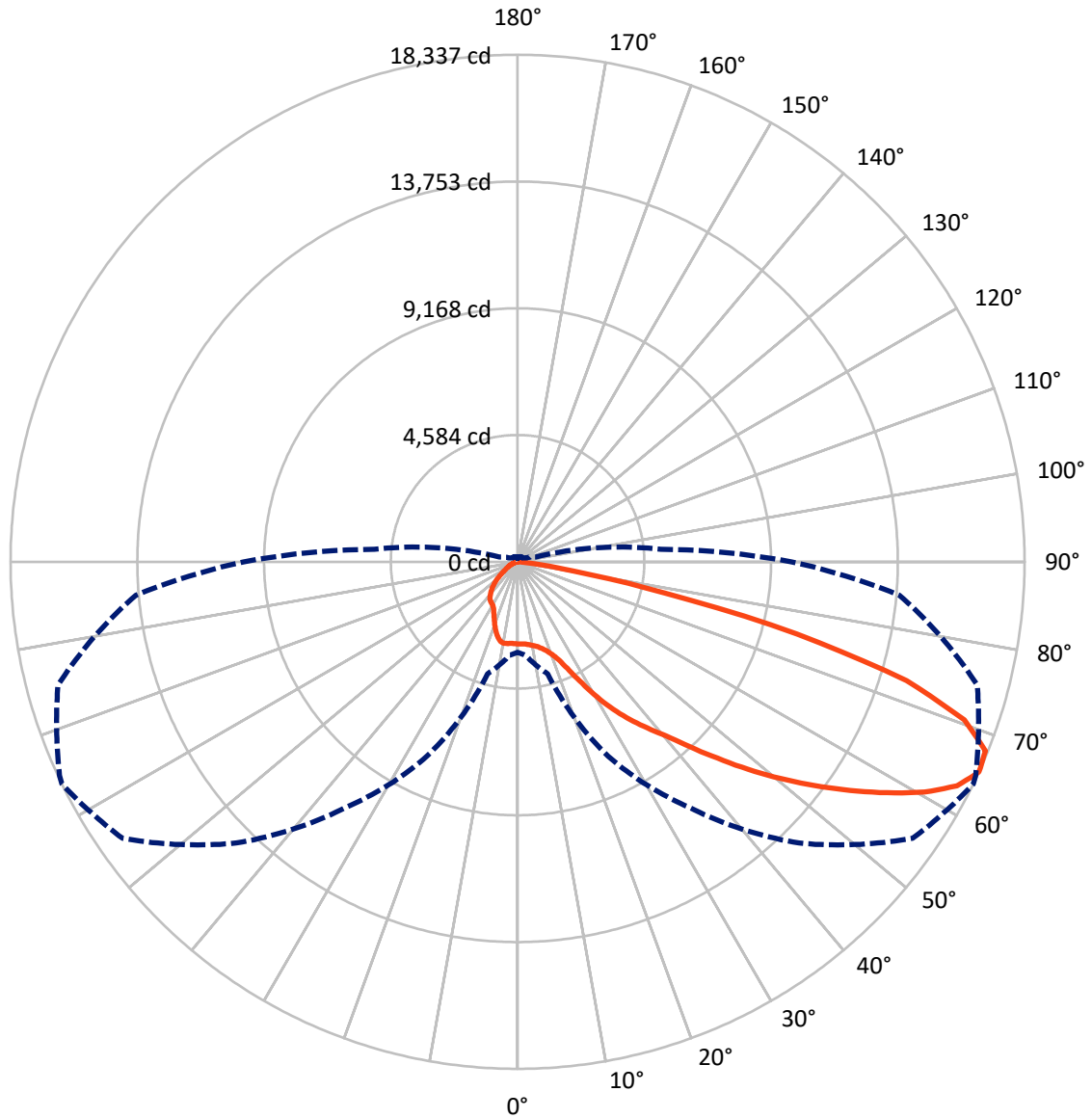
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3416.7	0.0	3416.7
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22132.3	0.0	22132.3
	% Fixture	86.6	0.0	86.6
Total	Lumens	25549.0	0.0	25549.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.2	1.1
10°-20°	743.6	2.9
20°-30°	1409.1	5.5
30°-40°	2851.3	11.2
40°-50°	4857.2	19.0
50°-60°	6605.4	25.9
60°-70°	6202.8	24.3
70°-80°	2485.1	9.7
80°-90°	120.4	0.5
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°	25549.0	100.0
0°-180°	25549.0	100.0

Coefficient of Utilization



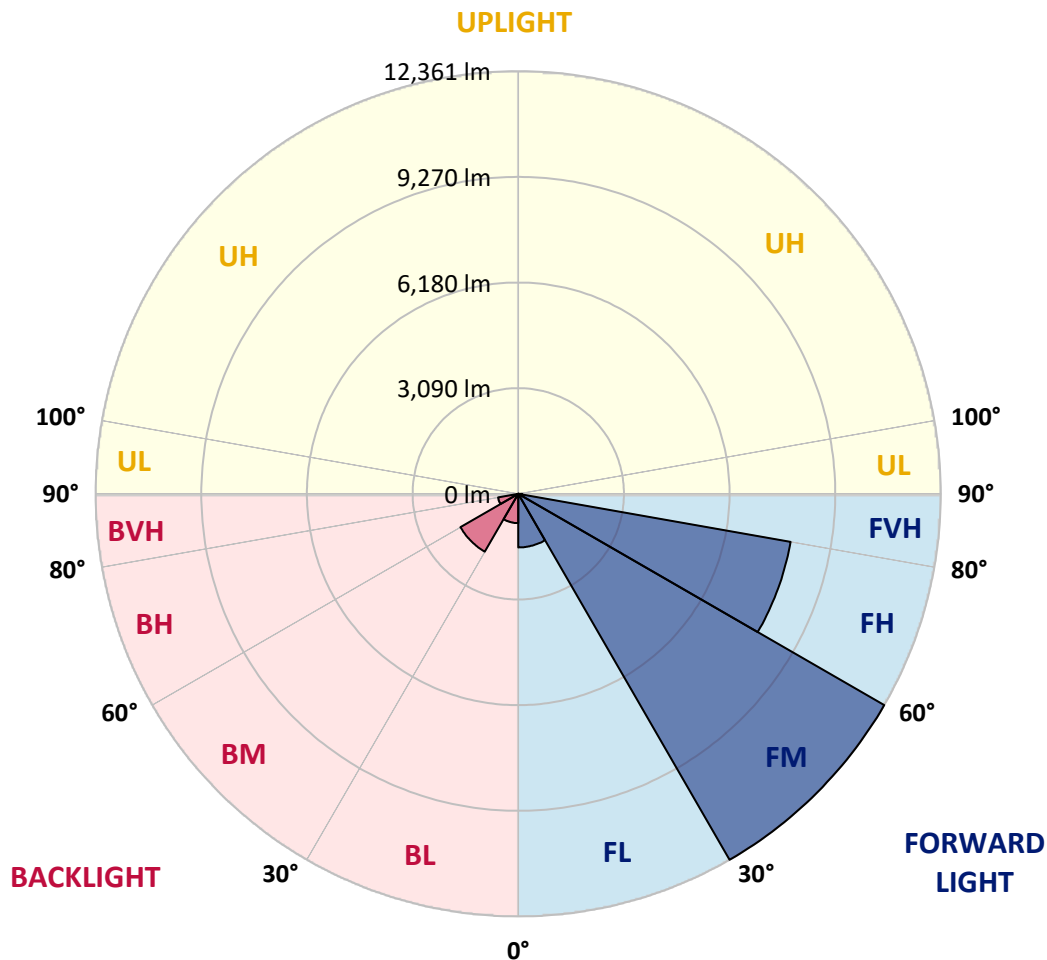
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1569.0	6.1			
FM (30°-60°)	12360.6	48.4			
FH (60°-80°)	8088.2	31.7			G4/12000
FVH (80°-90°)	114.5	0.4			G2/225
BL (0°-30°)	857.8	3.4	B2/1000		
BM (30°-60°)	1953.3	7.6	B2/2500		
BH (60°-80°)	599.7	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.9	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6
2.5°	2961.3	2981.9	2976.8	2971.6	2969.9	2973.3	2975.0	2973.3	2973.3	2973.3
5°	2904.8	2921.9	2921.9	2933.9	2951.1	2971.6	2987.0	2990.5	2993.9	2999.0
7.5°	2796.9	2810.6	2820.9	2860.3	2903.1	2957.9	3004.2	3028.1	3031.6	3050.4
10°	2723.3	2740.4	2757.5	2798.6	2860.3	2942.5	3021.3	3079.5	3088.1	3132.6
12.5°	2719.8	2737.0	2759.2	2803.8	2875.7	2963.1	3059.0	3142.9	3158.3	3223.4
15°	2755.8	2776.4	2796.9	2851.7	2928.8	3035.0	3137.8	3242.2	3257.6	3350.1
17.5°	2829.5	2856.9	2872.3	2927.1	3009.3	3127.5	3262.8	3382.7	3396.4	3504.3
20°	2975.0	3007.6	3012.7	3057.3	3137.8	3264.5	3425.5	3574.5	3591.6	3714.9
22.5°	3276.5	3322.7	3281.6	3303.9	3375.8	3502.6	3677.3	3865.7	3889.6	4030.1
25°	3807.4	3872.5	3766.3	3728.6	3759.5	3891.4	4110.6	4348.7	4376.1	4489.1
27.5°	4850.5	4766.6	4605.6	4448.0	4355.5	4430.9	4677.5	4972.1	5006.4	5116.0
30°	5996.3	5922.7	5705.2	5355.8	5136.5	5124.5	5352.3	5681.2	5720.6	5825.0
32.5°	7143.9	7073.6	6837.3	6407.4	6027.2	5838.8	5996.3	6361.1	6381.7	6448.5
35°	8272.6	8200.6	7964.3	7524.1	7056.5	6628.3	6597.5	7008.6	7015.4	7085.6
37.5°	9408.1	9348.2	9096.4	8664.8	8204.1	7613.2	7327.1	7621.7	7630.3	7698.8
40°	10218.2	10243.9	10070.9	9737.0	9341.3	8695.6	8145.8	8274.3	8222.9	8337.6
42.5°	10913.6	10965.0	10814.3	10646.4	10416.9	9848.3	9159.8	9137.5	9055.3	9116.9
45°	11514.8	11557.6	11422.3	11382.9	11377.8	10978.7	10267.9	10134.3	10019.6	10007.6
47.5°	11735.7	11817.9	11876.2	12008.1	12265.0	12097.1	11413.7	11206.5	11078.0	10983.8
50°	11819.7	11907.0	12105.7	12489.3	13097.4	13169.3	12554.4	12321.5	12163.9	11992.6
52.5°	11706.6	11862.5	12129.7	12775.4	13657.4	14029.1	13648.9	13445.1	13265.2	12986.0
55°	11040.4	11196.2	11742.6	12771.9	13936.6	14632.0	14683.4	14592.6	14390.5	13950.3
57.5°	9635.9	9867.1	10732.1	12336.9	13931.5	15150.9	15697.3	15762.4	15536.3	14906.0
60°	7690.2	8003.7	9058.7	11372.6	13501.6	15431.8	16586.2	16911.7	16671.9	15848.0
62.5°	5366.0	5729.1	6727.7	9862.0	12518.5	15229.7	17235.4	17836.5	17655.0	16690.7
65°	3273.1	3389.5	4194.5	7760.5	10846.8	14383.6	17435.8	18336.7	18276.7	17206.2
67.5°	2180.3	2278.0	2509.2	5321.5	8419.9	12693.2	16956.2	18249.3	18266.4	17122.3
70°	1313.7	1397.6	1548.3	3094.9	5456.8	10047.0	15471.2	17136.0	17235.4	16000.5
72.5°	541.2	597.7	734.8	1402.7	2826.0	6376.6	12319.8	14712.5	14943.7	13453.6
75°	306.6	335.7	431.6	703.9	1226.3	2971.6	7462.4	10444.3	10785.2	9272.8
77.5°	203.8	217.5	279.2	455.6	690.2	1013.9	3189.1	5441.4	6092.2	5064.6
80°	137.0	149.0	191.8	304.9	448.7	435.0	1015.7	2015.9	2480.1	1740.1
82.5°	92.5	94.2	137.0	200.4	284.3	210.7	299.7	626.9	787.9	503.5
85°	53.1	51.4	101.1	116.5	126.7	87.4	90.8	188.4	246.6	212.4
87.5°	6.9	10.3	39.4	30.8	17.1	18.8	18.8	32.5	48.0	51.4
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°
2971.6	0°	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6	2971.6
2975.0	2.5°	2975.0	2973.3	2968.2	2963.1	2951.1	2944.2	2947.6	2944.2	2942.5	2944.2
2997.3	5°	2997.3	2992.2	2978.5	2961.3	2937.4	2908.2	2889.4	2862.0	2836.3	2820.9
3057.3	7.5°	3057.3	3052.1	3033.3	2985.3	2908.2	2786.6	2675.3	2577.7	2504.0	2461.2
3153.2	10°	3153.2	3144.6	3115.5	3009.3	2807.2	2541.7	2320.8	2137.5	2017.6	1961.1
3266.2	12.5°	3266.2	3255.9	3204.5	2987.0	2615.4	2200.9	1896.0	1692.2	1580.9	1531.2
3396.4	15°	3399.8	3386.1	3285.0	2880.8	2336.2	1824.1	1544.9	1392.5	1320.5	1276.0
3562.5	17.5°	3565.9	3542.0	3345.0	2721.6	2033.0	1536.3	1329.1	1214.3	1151.0	1108.1
3780.0	20°	3781.7	3742.3	3392.9	2531.4	1753.9	1354.8	1183.5	1087.6	1039.6	1002.0
4088.3	22.5°	4083.2	4026.7	3451.2	2325.9	1556.9	1229.8	1075.6	1005.4	966.0	923.2
4518.2	25°	4456.6	4389.8	3523.1	2135.8	1421.6	1121.8	996.8	938.6	892.3	842.7
5081.7	27.5°	4979.0	4859.1	3608.8	1979.9	1305.1	1029.4	924.9	859.8	806.7	765.6
5720.6	30°	5561.3	5364.3	3684.1	1885.7	1198.9	943.7	830.7	765.6	715.9	686.8
6294.3	32.5°	6112.8	5845.6	3733.8	1844.6	1103.0	846.1	727.9	657.7	620.0	611.5
6856.1	35°	6633.5	6280.6	3728.6	1805.2	1017.4	748.5	626.9	554.9	525.8	531.0
7460.7	37.5°	7232.9	6744.8	3692.7	1743.6	947.1	659.4	539.5	476.1	450.5	452.2
8195.5	40°	7930.0	7280.9	3670.4	1627.1	870.1	577.2	467.6	416.2	397.4	390.5
8969.6	42.5°	8673.3	7799.8	3673.8	1495.2	774.2	503.5	417.9	375.1	358.0	352.8
9831.2	45°	9420.1	8294.8	3679.0	1358.2	673.1	447.0	381.9	346.0	335.7	328.8
10704.7	47.5°	10122.3	8716.2	3583.1	1210.9	573.8	404.2	352.8	328.8	320.3	311.7
11581.6	50°	10776.6	8997.1	3351.8	1039.6	495.0	370.0	330.6	313.4	304.9	296.3
12376.3	52.5°	11285.3	9041.6	2969.9	863.2	440.2	344.3	316.9	301.4	291.2	282.6
13018.6	55°	11511.4	8762.4	2427.0	698.8	397.4	322.0	303.2	287.7	275.8	267.2
13523.8	57.5°	11453.1	8174.9	1892.6	561.8	356.3	299.7	286.0	275.8	262.1	248.3
13933.2	60°	11167.1	7388.8	1426.7	467.6	318.6	275.8	267.2	258.6	239.8	219.2
14090.8	62.5°	10672.1	6400.5	1017.4	387.1	277.5	248.3	244.9	238.1	210.7	173.0
13857.8	65°	9915.1	5199.9	685.1	322.0	238.1	217.5	219.2	207.2	171.3	128.5
13004.9	67.5°	8808.7	3802.3	438.5	263.8	198.7	181.6	183.3	176.4	145.6	109.6
11388.0	70°	7399.1	2517.7	286.0	200.4	159.3	140.4	150.7	152.4	123.3	89.1
8740.1	72.5°	5424.3	1486.7	200.4	149.0	116.5	97.6	123.3	126.7	99.3	66.8
5258.1	75°	3091.5	705.7	150.7	107.9	71.9	68.5	95.9	95.9	68.5	44.5
2276.2	77.5°	1298.3	294.6	106.2	70.2	41.1	39.4	65.1	59.9	34.3	20.6
554.9	80°	375.1	131.9	56.5	34.3	17.1	15.4	25.7	18.8	8.6	3.4
210.7	82.5°	147.3	58.2	22.3	13.7	6.9	6.9	3.4	0.0	0.0	0.0
119.9	85°	87.4	24.0	10.3	5.1	1.7	0.0	0.0	0.0	0.0	0.0
25.7	87.5°	22.3	5.1	3.4	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°
2971.6
2951.1
2824.3
2462.9
1956.0
1526.1
1277.7
1104.7
995.1
916.3
837.5
757.0
681.7
616.6
531.0
459.0
388.8
351.1
328.8
311.7
296.3
280.9
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215.8
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