

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: P851227

Luminaire Tested: **GLAN-SB9A-835-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851227
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-835-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3500K, 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: 26532 lumens
Efficiency: N/A
Efficacy: 103.8 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

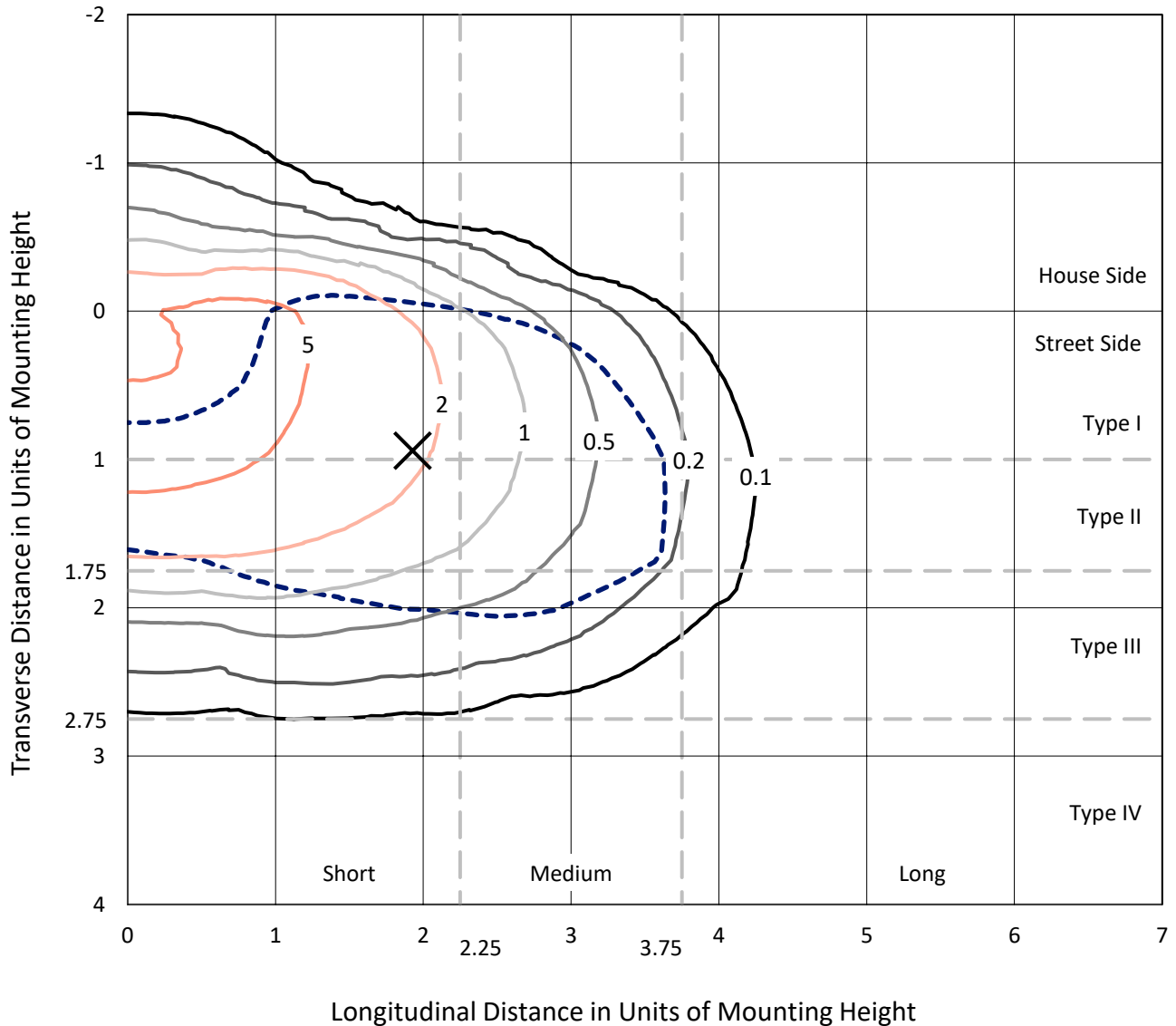
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

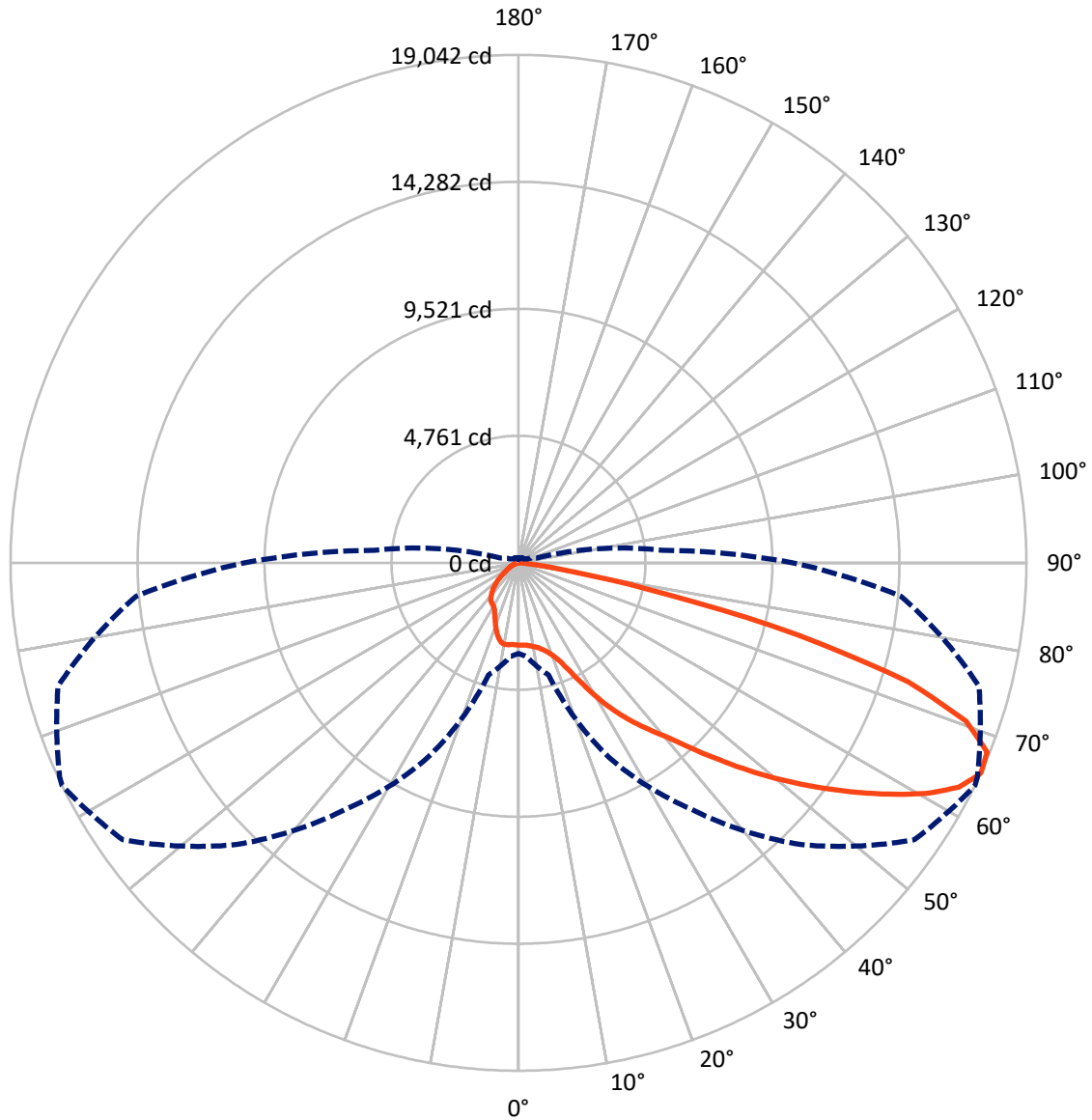
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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	3548.1	0.0	3548.1
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22983.9	0.0	22983.9
	% Fixture	86.6	0.0	86.6
Total	Lumens	26532.0	0.0	26532.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.7	1.1
10°-20°	772.2	2.9
20°-30°	1463.3	5.5
30°-40°	2961.0	11.2
40°-50°	5044.1	19.0
50°-60°	6859.5	25.9
60°-70°	6441.5	24.3
70°-80°	2580.7	9.7
80°-90°	125.0	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°	26532.0	100.0
0°-180°	26532.0	100.0

Coefficient of Utilization



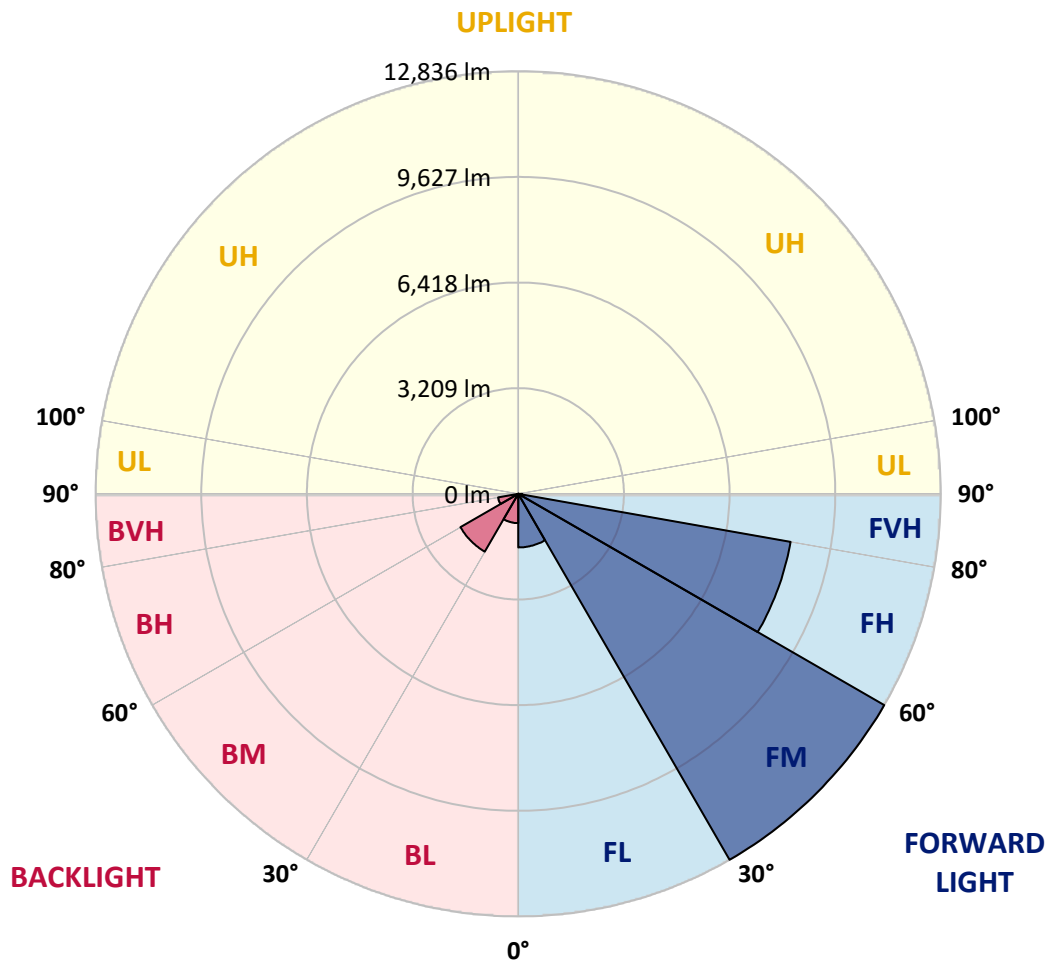
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1629.4	6.1			
FM (30°-60°)	12836.2	48.4			
FH (60°-80°)	8399.4	31.7			G4/12000
FVH (80°-90°)	118.9	0.4			G2/225
BL (0°-30°)	890.8	3.4	B2/1000		
BM (30°-60°)	2028.4	7.6	B2/2500		
BH (60°-80°)	622.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.1	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°	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9
2.5°	3075.3	3096.6	3091.3	3085.9	3084.2	3087.7	3089.5	3087.7	3087.7	3087.7
5°	3016.6	3034.4	3034.4	3046.8	3064.6	3085.9	3102.0	3105.5	3109.1	3114.4
7.5°	2904.5	2918.8	2929.4	2970.3	3014.8	3071.7	3119.7	3144.6	3148.2	3167.8
10°	2828.0	2845.8	2863.6	2906.3	2970.3	3055.7	3137.5	3198.0	3206.9	3253.1
12.5°	2824.5	2842.3	2865.4	2911.6	2986.3	3077.1	3176.7	3263.8	3279.8	3347.4
15°	2861.8	2883.2	2904.5	2961.4	3041.5	3151.8	3258.5	3367.0	3383.0	3479.0
17.5°	2938.3	2966.8	2982.8	3039.7	3125.1	3247.8	3388.3	3512.8	3527.1	3639.1
20°	3089.5	3123.3	3128.6	3174.9	3258.5	3390.1	3557.3	3712.0	3729.8	3857.9
22.5°	3402.5	3450.6	3407.9	3431.0	3505.7	3637.3	3818.7	4014.4	4039.3	4185.1
25°	3953.9	4021.5	3911.2	3872.1	3904.1	4041.1	4268.7	4516.0	4544.4	4661.8
27.5°	5037.1	4950.0	4782.8	4619.1	4523.1	4601.4	4857.5	5163.4	5199.0	5312.8
30°	6227.0	6150.6	5924.7	5561.8	5334.2	5321.7	5558.3	5899.8	5940.7	6049.2
32.5°	7418.7	7345.8	7100.3	6653.9	6259.0	6063.4	6227.0	6605.9	6627.2	6696.6
35°	8590.8	8516.1	8270.7	7813.6	7328.0	6883.4	6851.3	7278.2	7285.3	7358.2
37.5°	9770.1	9707.8	9446.4	8998.2	8519.7	7906.1	7609.0	7915.0	7923.9	7995.0
40°	10611.4	10638.1	10458.4	10111.6	9700.7	9030.2	8459.2	8592.6	8539.3	8658.4
42.5°	11333.5	11386.9	11230.4	11056.1	10817.7	10227.2	9512.2	9489.1	9403.7	9467.7
45°	11957.8	12002.3	11861.8	11820.9	11815.5	11401.1	10663.0	10524.2	10405.1	10392.6
47.5°	12187.3	12272.6	12333.1	12470.1	12736.9	12562.6	11852.9	11637.7	11504.3	11406.4
50°	12274.4	12365.1	12571.5	12969.9	13601.3	13676.0	13037.5	12795.6	12631.9	12454.1
52.5°	12157.0	12318.9	12596.4	13266.9	14182.9	14568.9	14174.0	13962.4	13775.6	13485.7
55°	11465.1	11627.0	12194.4	13263.3	14472.8	15195.0	15248.3	15154.0	14944.2	14487.1
57.5°	10006.7	10246.8	11145.0	12811.6	14467.5	15733.9	16301.3	16368.9	16134.1	15479.5
60°	7986.1	8311.6	9407.2	11810.2	14021.0	16025.6	17224.4	17562.3	17313.3	16457.8
62.5°	5572.5	5949.6	6986.5	10241.4	13000.1	15815.7	17898.5	18522.8	18334.3	17332.9
65°	3399.0	3519.9	4355.9	8059.0	11264.2	14937.1	18106.6	19042.2	18979.9	17868.3
67.5°	2264.2	2365.6	2605.7	5526.2	8743.8	13181.5	17608.6	18951.5	18969.2	17781.1
70°	1364.2	1451.4	1607.9	3214.0	5666.8	10433.5	16066.5	17795.3	17898.5	16616.1
72.5°	562.1	620.7	763.0	1456.7	2934.8	6621.9	12793.8	15278.6	15518.7	13971.2
75°	318.4	348.6	448.2	731.0	1273.5	3085.9	7749.6	10846.2	11200.1	9629.6
77.5°	211.7	225.9	289.9	473.1	716.8	1053.0	3311.8	5650.8	6326.6	5259.4
80°	142.3	154.7	199.2	316.6	466.0	451.8	1054.7	2093.5	2575.5	1807.1
82.5°	96.0	97.8	142.3	208.1	295.3	218.8	311.3	651.0	818.2	522.9
85°	55.1	53.4	104.9	120.9	131.6	90.7	94.3	195.7	256.1	220.6
87.5°	7.1	10.7	40.9	32.0	17.8	19.6	19.6	33.8	49.8	53.4
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°
3085.9	0°	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9	3085.9
3089.5	2.5°	3089.5	3087.7	3082.4	3077.1	3064.6	3057.5	3061.0	3057.5	3055.7	3057.5
3112.6	5°	3112.6	3107.3	3093.1	3075.3	3050.4	3020.1	3000.6	2972.1	2945.4	2929.4
3174.9	7.5°	3174.9	3169.5	3150.0	3100.2	3020.1	2893.9	2778.2	2676.9	2600.4	2555.9
3274.5	10°	3274.5	3265.6	3235.4	3125.1	2915.2	2639.5	2410.1	2219.7	2095.2	2036.5
3391.9	12.5°	3391.9	3381.2	3327.8	3102.0	2716.0	2285.6	1969.0	1757.3	1641.7	1590.1
3527.1	15°	3530.6	3516.4	3411.4	2991.7	2426.1	1894.3	1604.3	1446.0	1371.3	1325.1
3699.6	17.5°	3703.1	3678.2	3473.7	2826.3	2111.3	1595.4	1380.2	1261.1	1195.2	1150.8
3925.5	20°	3927.2	3886.3	3523.5	2628.8	1821.3	1406.9	1229.0	1129.4	1079.6	1040.5
4245.6	22.5°	4240.3	4181.6	3584.0	2415.4	1616.8	1277.1	1117.0	1044.1	1003.2	958.7
4692.1	25°	4628.0	4558.7	3658.7	2218.0	1476.3	1165.0	1035.2	974.7	926.7	875.1
5277.2	27.5°	5170.5	5046.0	3747.6	2056.1	1355.3	1069.0	960.5	892.9	837.7	795.1
5940.7	30°	5775.3	5570.7	3825.9	1958.3	1245.1	980.0	862.6	795.1	743.5	713.2
6536.5	32.5°	6348.0	6070.5	3877.4	1915.6	1145.4	878.7	755.9	683.0	643.9	635.0
7119.9	35°	6888.7	6522.3	3872.1	1874.7	1056.5	777.3	651.0	576.3	546.0	551.4
7747.8	37.5°	7511.2	7004.3	3834.8	1810.7	983.6	684.8	560.3	494.5	467.8	469.6
8510.8	40°	8235.1	7561.0	3811.6	1689.7	903.6	599.4	485.6	432.2	412.6	405.5
9314.8	42.5°	9007.1	8099.9	3815.2	1552.8	803.9	522.9	434.0	389.5	371.7	366.4
10209.4	45°	9782.5	8614.0	3820.5	1410.5	699.0	464.2	396.6	359.3	348.6	341.5
11116.5	47.5°	10511.8	9051.5	3720.9	1257.5	595.8	419.8	366.4	341.5	332.6	323.7
12027.2	50°	11191.2	9343.2	3480.8	1079.6	514.0	384.2	343.3	325.5	316.6	307.7
12852.5	52.5°	11719.5	9389.5	3084.2	896.4	457.1	357.5	329.0	313.0	302.4	293.5
13519.5	55°	11954.3	9099.5	2520.3	725.7	412.6	334.4	314.8	298.8	286.4	277.5
14044.2	57.5°	11893.8	8489.5	1965.4	583.4	370.0	311.3	297.0	286.4	272.1	257.9
14469.3	60°	11596.8	7673.1	1481.6	485.6	330.8	286.4	277.5	268.6	249.0	227.7
14632.9	62.5°	11082.7	6646.8	1056.5	402.0	288.1	257.9	254.3	247.2	218.8	179.6
14391.0	65°	10296.6	5400.0	711.5	334.4	247.2	225.9	227.7	215.2	177.9	133.4
13505.2	67.5°	9147.6	3948.6	455.3	273.9	206.3	188.5	190.3	183.2	151.2	113.8
11826.2	70°	7683.7	2614.6	297.0	208.1	165.4	145.8	156.5	158.3	128.1	92.5
9076.4	72.5°	5633.0	1543.9	208.1	154.7	120.9	101.4	128.1	131.6	103.2	69.4
5460.4	75°	3210.5	732.8	156.5	112.1	74.7	71.1	99.6	99.6	71.1	46.2
2363.8	77.5°	1348.2	305.9	110.3	72.9	42.7	40.9	67.6	62.3	35.6	21.3
576.3	80°	389.5	137.0	58.7	35.6	17.8	16.0	26.7	19.6	8.9	3.6
218.8	82.5°	153.0	60.5	23.1	14.2	7.1	7.1	3.6	0.0	0.0	0.0
124.5	85°	90.7	24.9	10.7	5.3	1.8	0.0	0.0	0.0	0.0	0.0
26.7	87.5°	23.1	5.3	3.6	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°
3085.9
3064.6
2933.0
2557.7
2031.2
1584.8
1326.9
1147.2
1033.4
951.6
869.8
786.2
707.9
640.3
551.4
476.7
403.8
364.6
341.5
323.7
307.7
291.7
275.7
256.1
224.1
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