

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: P850557

Luminaire Tested: **GLAN-SB8A-840-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850557
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-SB8A-840-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 4000K, 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: 25299 lumens
Efficiency: N/A
Efficacy: 111.4 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

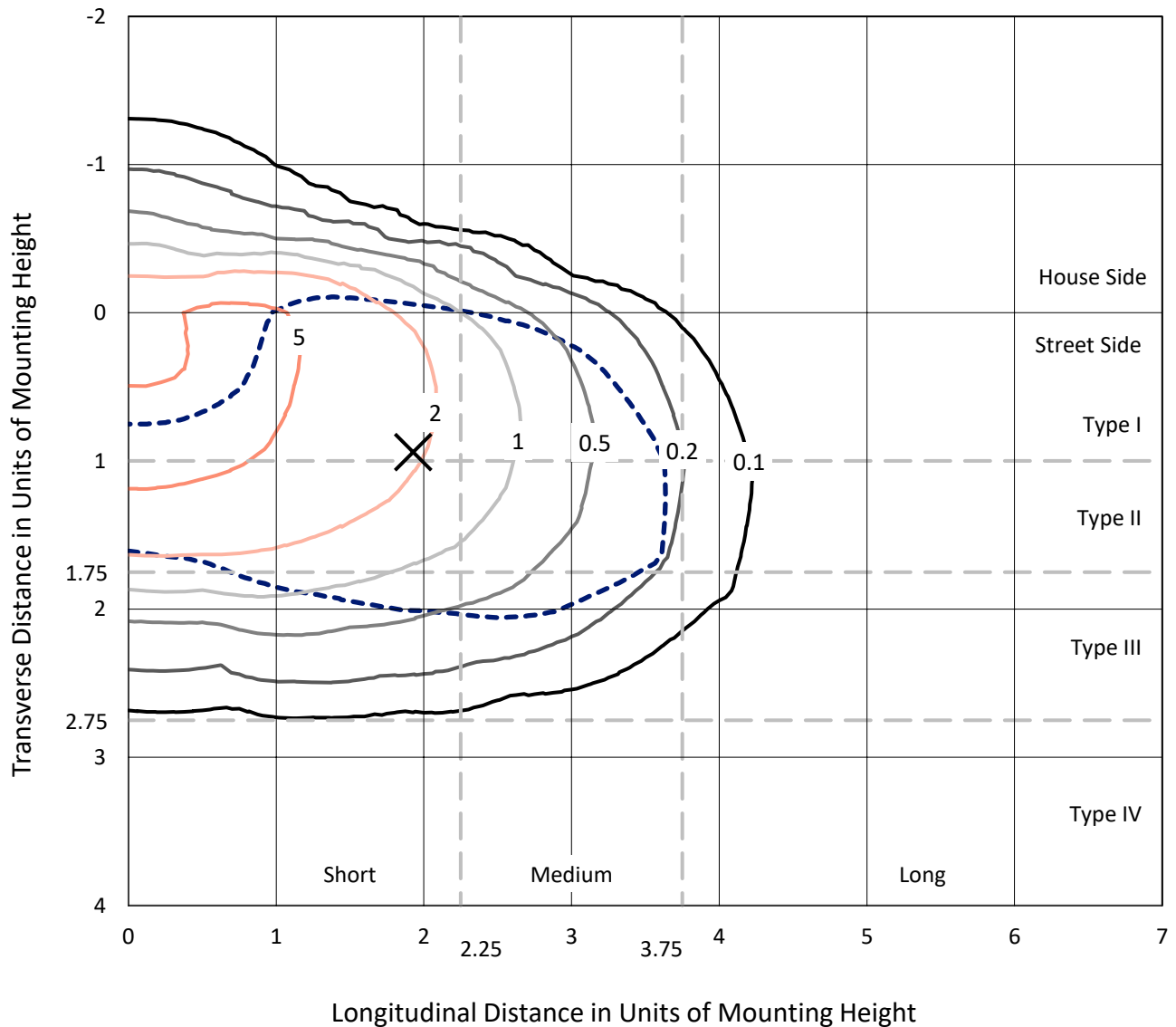
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

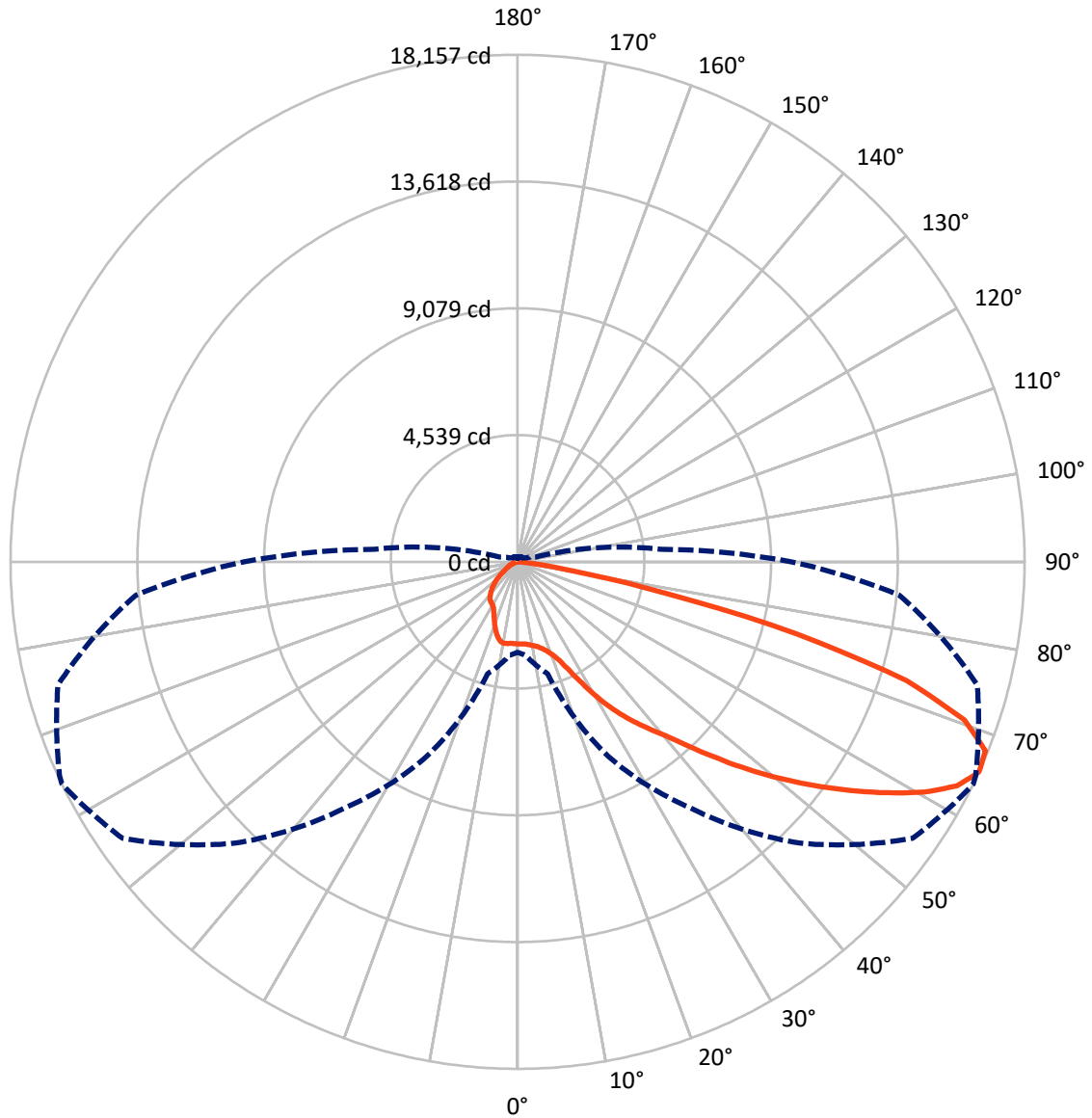
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	3383.2	0.0	3383.2
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21915.8	0.0	21915.8
	% Fixture	86.6	0.0	86.6
Total	Lumens	25299.0	0.0	25299.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.5	1.1
10°-20°	736.3	2.9
20°-30°	1395.3	5.5
30°-40°	2823.4	11.2
40°-50°	4809.7	19.0
50°-60°	6540.8	25.9
60°-70°	6142.1	24.3
70°-80°	2460.8	9.7
80°-90°	119.2	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°	25299.0	100.0
0°-180°	25299.0	100.0

Coefficient of Utilization

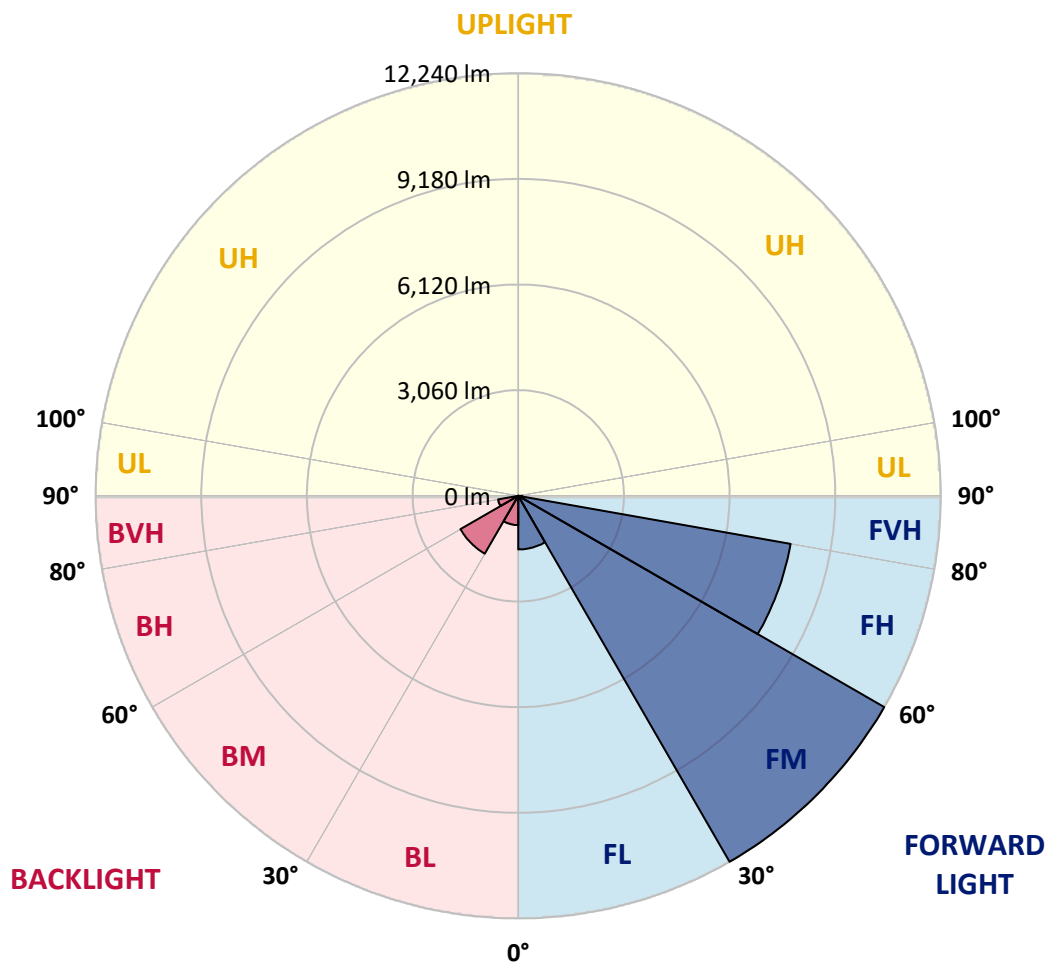


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1553.6	6.1			
FM (30°-60°)	12239.6	48.4			
FH (60°-80°)	8009.1	31.7			G4/12000
FVH (80°-90°)	113.4	0.4			G2/225
BL (0°-30°)	849.4	3.4	B2/1000		
BM (30°-60°)	1934.2	7.6	B2/2500		
BH (60°-80°)	593.8	2.3	B2/1000		G2/1000
BVH (80°-90°)	5.8	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°	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5
2.5°	2932.4	2952.7	2947.6	2942.5	2940.8	2944.2	2945.9	2944.2	2944.2	2944.2
5°	2876.4	2893.4	2893.4	2905.2	2922.2	2942.5	2957.8	2961.2	2964.6	2969.7
7.5°	2769.5	2783.1	2793.3	2832.3	2874.7	2929.0	2974.8	2998.5	3001.9	3020.6
10°	2696.6	2713.6	2730.5	2771.2	2832.3	2913.7	2991.7	3049.4	3057.9	3102.0
12.5°	2693.2	2710.2	2732.2	2776.3	2847.6	2934.1	3029.0	3112.1	3127.4	3191.8
15°	2728.8	2749.2	2769.5	2823.8	2900.1	3005.3	3107.0	3210.5	3225.8	3317.3
17.5°	2801.8	2828.9	2844.2	2898.4	2979.8	3096.9	3230.9	3349.6	3363.1	3470.0
20°	2945.9	2978.2	2983.2	3027.3	3107.0	3232.6	3392.0	3539.5	3556.5	3678.6
22.5°	3244.4	3290.2	3249.5	3271.6	3342.8	3468.3	3641.3	3827.8	3851.6	3990.7
25°	3770.2	3834.6	3729.5	3692.2	3722.7	3853.3	4070.4	4306.1	4333.2	4445.2
27.5°	4803.0	4719.9	4560.5	4404.5	4312.9	4387.5	4631.7	4923.4	4957.4	5065.9
30°	5937.6	5864.7	5649.3	5303.3	5086.3	5074.4	5300.0	5625.6	5664.6	5768.0
32.5°	7074.0	7004.4	6770.4	6344.7	5968.2	5781.6	5937.6	6298.9	6319.2	6385.4
35°	8191.6	8120.4	7886.3	7450.5	6987.5	6563.5	6532.9	6940.0	6946.8	7016.3
37.5°	9316.1	9256.7	9007.4	8580.0	8123.8	7538.7	7255.4	7547.1	7555.6	7623.5
40°	10118.3	10143.7	9972.4	9641.7	9249.9	8610.5	8066.1	8193.3	8142.4	8256.1
42.5°	10806.8	10857.7	10708.5	10542.3	10315.0	9751.9	9070.1	9048.1	8966.7	9027.7
45°	11402.1	11444.5	11310.5	11271.5	11266.4	10871.3	10167.4	10035.2	9921.5	9909.6
47.5°	11620.9	11702.3	11760.0	11890.6	12145.0	11978.8	11302.1	11096.8	10969.6	10876.4
50°	11704.0	11790.5	11987.2	12367.1	12969.2	13040.4	12431.6	12200.9	12044.9	11875.3
52.5°	11592.1	11746.4	12011.0	12650.4	13523.8	13891.8	13515.3	13313.5	13135.4	12859.0
55°	10932.3	11086.7	11627.7	12647.0	13800.2	14488.8	14539.7	14449.8	14249.7	13813.8
57.5°	9541.6	9770.6	10627.1	12216.2	13795.2	15002.7	15543.7	15608.2	15384.3	14760.2
60°	7615.0	7925.3	8970.1	11261.3	13369.5	15280.8	16423.9	16746.2	16508.7	15693.0
62.5°	5313.5	5673.1	6661.8	9765.5	12396.0	15080.7	17066.7	17662.0	17482.2	16527.4
65°	3241.0	3356.4	4153.5	7684.5	10740.7	14242.9	17265.1	18157.2	18097.9	17037.9
67.5°	2159.0	2255.7	2484.6	5269.4	8337.5	12569.0	16790.3	18070.7	18087.7	16954.8
70°	1300.8	1383.9	1533.2	3064.6	5403.4	9948.7	15319.8	16968.3	17066.7	15843.9
72.5°	535.9	591.9	727.6	1389.0	2798.4	6314.2	12199.2	14568.5	14797.5	13322.0
75°	303.6	332.4	427.4	697.1	1214.3	2942.5	7389.4	10342.1	10679.6	9182.1
77.5°	201.8	215.4	276.4	451.1	683.5	1004.0	3157.9	5388.1	6032.6	5015.0
80°	135.7	147.6	190.0	301.9	444.3	430.8	1005.7	1996.2	2455.8	1723.1
82.5°	91.6	93.3	135.7	198.4	281.5	208.6	296.8	620.7	780.2	498.6
85°	52.6	50.9	100.1	115.3	125.5	86.5	89.9	186.6	244.2	210.3
87.5°	6.8	10.2	39.0	30.5	17.0	18.7	18.7	32.2	47.5	50.9
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°
2942.5	0°	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5	2942.5
2945.9	2.5°	2945.9	2944.2	2939.1	2934.1	2922.2	2915.4	2918.8	2915.4	2913.7	2915.4
2968.0	5°	2968.0	2962.9	2949.3	2932.4	2908.6	2879.8	2861.1	2834.0	2808.6	2793.3
3027.3	7.5°	3027.3	3022.2	3003.6	2956.1	2879.8	2759.4	2649.1	2552.5	2479.5	2437.1
3122.3	10°	3122.3	3113.8	3085.0	2979.8	2779.7	2516.8	2298.1	2116.6	1997.9	1941.9
3234.2	12.5°	3234.2	3224.1	3173.2	2957.8	2589.8	2179.3	1877.5	1675.6	1565.4	1516.2
3363.1	15°	3366.5	3353.0	3252.9	2852.6	2313.3	1806.2	1529.8	1378.8	1307.6	1263.5
3527.7	17.5°	3531.0	3507.3	3312.3	2694.9	2013.1	1521.3	1316.1	1202.5	1139.7	1097.3
3743.0	20°	3744.7	3705.7	3359.7	2506.7	1736.7	1341.5	1171.9	1077.0	1029.5	992.2
4048.3	22.5°	4043.2	3987.3	3417.4	2303.1	1541.7	1217.7	1065.1	995.5	956.5	914.1
4474.0	25°	4413.0	4346.8	3488.6	2114.9	1407.7	1110.9	987.1	929.4	883.6	834.4
5032.0	27.5°	4930.2	4811.5	3573.4	1960.6	1292.3	1019.3	915.8	851.4	798.8	758.1
5664.6	30°	5506.9	5311.8	3648.1	1867.3	1187.2	934.5	822.6	758.1	708.9	680.1
6232.8	32.5°	6053.0	5788.4	3697.3	1826.6	1092.2	837.8	720.8	651.3	613.9	605.5
6789.0	35°	6568.6	6219.2	3692.2	1787.6	1007.4	741.1	620.7	549.5	520.7	525.8
7387.7	37.5°	7162.2	6678.8	3656.5	1726.5	937.9	653.0	534.2	471.5	446.0	447.7
8115.3	40°	7852.4	7209.6	3634.5	1611.2	861.6	571.5	463.0	412.1	393.5	386.7
8881.9	42.5°	8588.5	7723.5	3637.9	1480.6	766.6	498.6	413.8	371.4	354.5	349.4
9735.0	45°	9327.9	8213.7	3643.0	1344.9	666.5	442.7	378.2	342.6	332.4	325.6
10599.9	47.5°	10023.3	8630.9	3548.0	1199.1	568.2	400.3	349.4	325.6	317.1	308.7
11468.3	50°	10671.1	8909.0	3319.0	1029.5	490.1	366.3	327.3	310.4	301.9	293.4
12255.2	52.5°	11174.9	8953.1	2940.8	854.8	435.9	340.9	313.8	298.5	288.3	279.8
12891.2	55°	11398.7	8676.7	2403.2	692.0	393.5	318.8	300.2	284.9	273.1	264.6
13391.5	57.5°	11341.1	8094.9	1874.1	556.3	352.8	296.8	283.2	273.1	259.5	245.9
13796.8	60°	11057.8	7316.5	1412.8	463.0	315.5	273.1	264.6	256.1	237.4	217.1
13952.9	62.5°	10567.7	6337.9	1007.4	383.3	274.7	245.9	242.5	235.7	208.6	171.3
13722.2	65°	9818.1	5149.0	678.4	318.8	235.7	215.4	217.1	205.2	169.6	127.2
12877.6	67.5°	8722.5	3765.1	434.2	261.2	196.7	179.8	181.5	174.7	144.2	108.5
11276.6	70°	7326.7	2493.1	283.2	198.4	157.7	139.1	149.2	150.9	122.1	88.2
8654.6	72.5°	5371.2	1472.1	198.4	147.6	115.3	96.7	122.1	125.5	98.4	66.1
5206.7	75°	3061.3	698.7	149.2	106.8	71.2	67.8	95.0	95.0	67.8	44.1
2254.0	77.5°	1285.6	291.7	105.2	69.5	40.7	39.0	64.4	59.4	33.9	20.4
549.5	80°	371.4	130.6	56.0	33.9	17.0	15.3	25.4	18.7	8.5	3.4
208.6	82.5°	145.9	57.7	22.0	13.6	6.8	6.8	3.4	0.0	0.0	0.0
118.7	85°	86.5	23.7	10.2	5.1	1.7	0.0	0.0	0.0	0.0	0.0
25.4	87.5°	22.0	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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<u>180°</u>
2942.5
2922.2
2796.7
2438.8
1936.8
1511.1
1265.2
1093.9
985.4
907.4
829.3
749.6
675.0
610.6
525.8
454.5
385.0
347.7
325.6
308.7
293.4
278.1
262.9
244.2
213.7
167.9
123.8
103.5
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