

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: McGRAW-EDISON

Report Number: P940626

Luminaire Tested: **GALN-SB3D-740-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940626
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-740-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 4000K, 900mA 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: 25333 lumens
Efficiency: N/A
Efficacy: 116.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

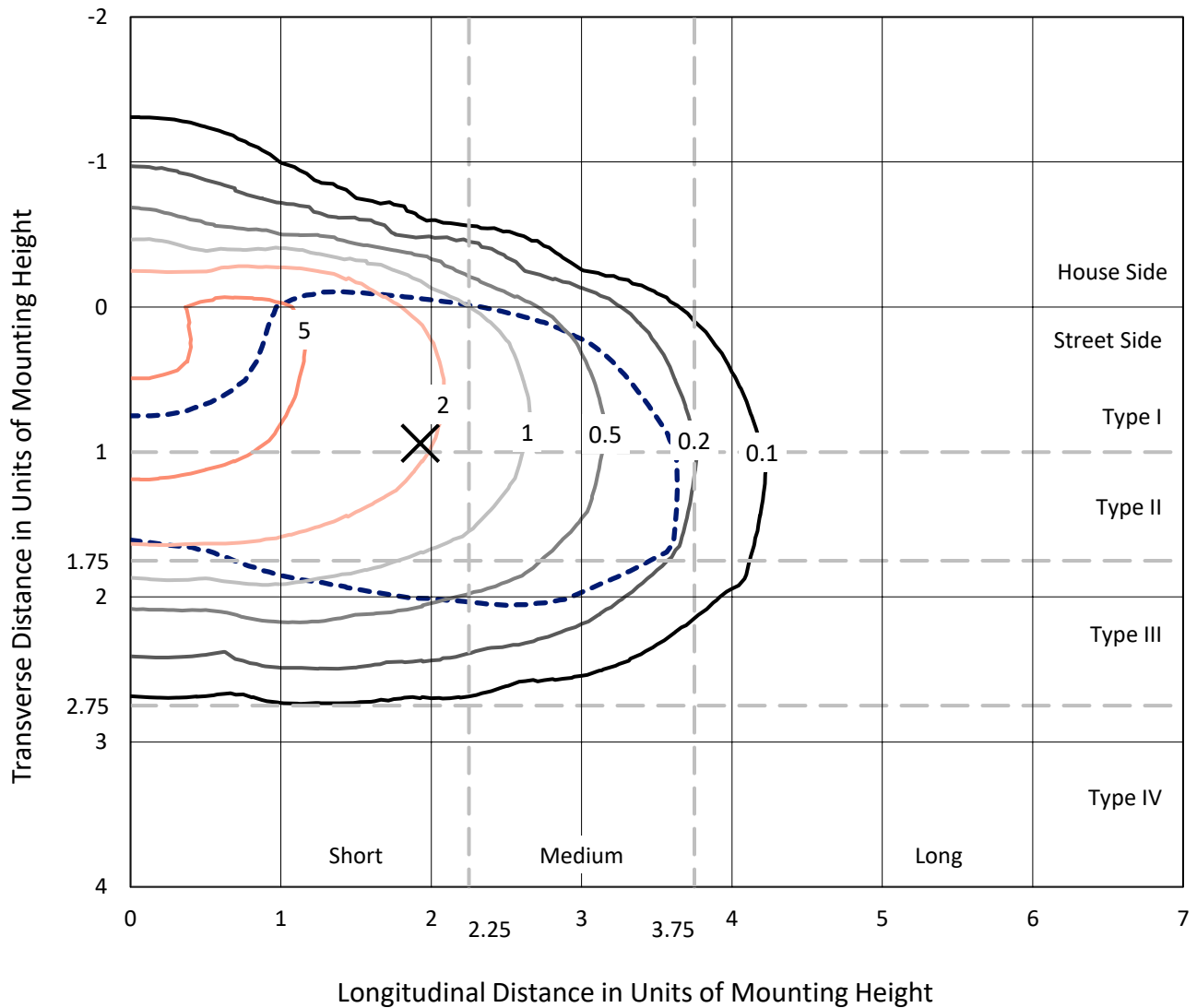
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

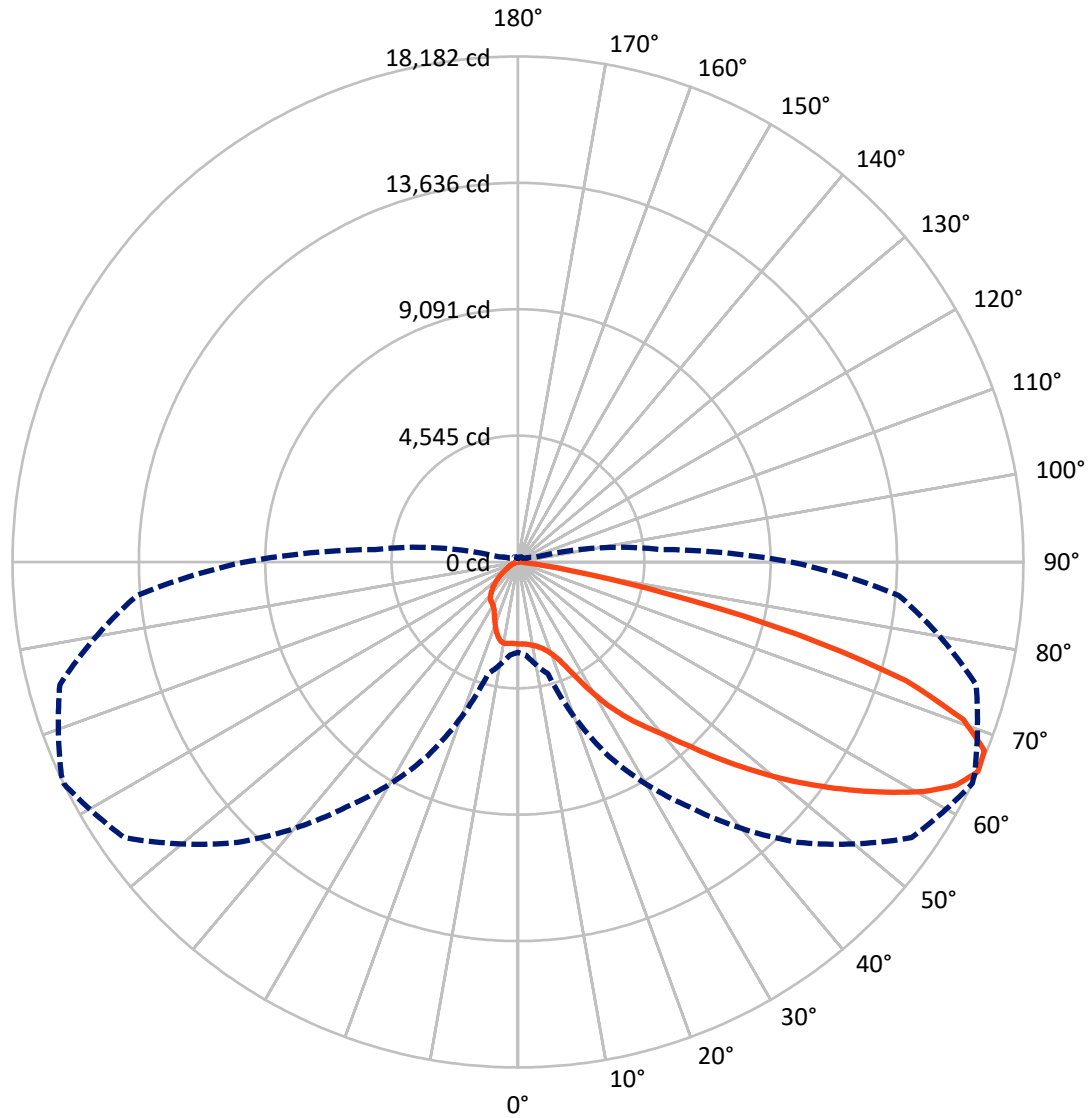
✕ Max cd
 - - - 1/2 Max cd



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	3387.8	0.0	3387.8
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	21945.2	0.0	21945.2
	% Fixture	86.6	0.0	86.6
Total	Lumens	25333.0	0.0	25333.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.8	1.1
10°-20°	737.3	2.9
20°-30°	1397.2	5.5
30°-40°	2827.2	11.2
40°-50°	4816.1	19.0
50°-60°	6549.6	25.9
60°-70°	6150.4	24.3
70°-80°	2464.1	9.7
80°-90°	119.4	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°	25333.0	100.0
0°-180°	25333.0	100.0

Coefficient of Utilization



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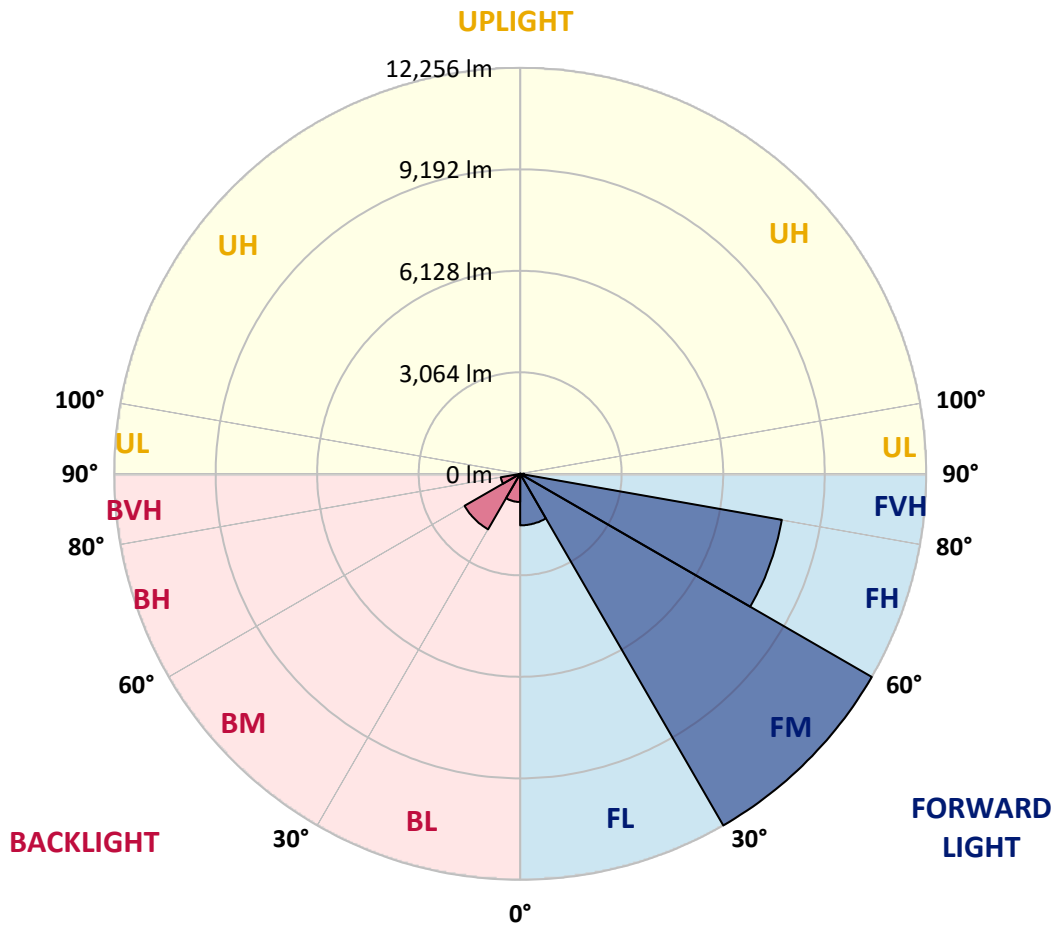
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1555.7	6.1			
FM (30°-60°)	12256.1	48.4			
FH (60°-80°)	8019.8	31.7			G4/12000
FVH (80°-90°)	113.6	0.4			G2/225
BL (0°-30°)	850.6	3.4	B2/1000		
BM (30°-60°)	1936.8	7.6	B2/2500		
BH (60°-80°)	594.6	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°	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5
2.5°	2936.3	2956.7	2951.6	2946.5	2944.8	2948.2	2949.9	2948.2	2948.2	2948.2
5°	2880.3	2897.2	2897.2	2909.1	2926.1	2946.5	2961.8	2965.2	2968.6	2973.7
7.5°	2773.3	2786.9	2797.0	2836.1	2878.6	2932.9	2978.8	3002.5	3005.9	3024.6
10°	2700.2	2717.2	2734.2	2775.0	2836.1	2917.6	2995.7	3053.5	3062.0	3106.1
12.5°	2696.8	2713.8	2735.9	2780.1	2851.4	2938.0	3033.1	3116.3	3131.6	3196.1
15°	2732.5	2752.9	2773.3	2827.6	2904.0	3009.3	3111.2	3214.8	3230.1	3321.8
17.5°	2805.5	2832.7	2848.0	2902.3	2983.9	3101.0	3235.2	3354.1	3367.7	3474.7
20°	2949.9	2982.2	2987.2	3031.4	3111.2	3236.9	3396.5	3544.3	3561.3	3683.5
22.5°	3248.8	3294.6	3253.9	3276.0	3347.3	3473.0	3646.2	3833.0	3856.8	3996.0
25°	3775.2	3839.8	3734.5	3697.1	3727.7	3858.5	4075.8	4311.9	4339.1	4451.2
27.5°	4809.5	4726.3	4566.6	4410.4	4318.7	4393.4	4638.0	4930.1	4964.0	5072.7
30°	5945.6	5872.6	5656.9	5310.5	5093.1	5081.2	5307.1	5633.1	5672.2	5775.8
32.5°	7083.5	7013.8	6779.5	6353.2	5976.2	5789.4	5945.6	6307.4	6327.7	6394.0
35°	8202.6	8131.3	7896.9	7460.5	6996.9	6572.3	6541.7	6949.3	6956.1	7025.7
37.5°	9328.6	9269.1	9019.5	8591.5	8134.7	7548.8	7265.2	7557.3	7565.8	7633.7
40°	10131.9	10157.3	9985.8	9654.6	9262.3	8622.1	8077.0	8204.3	8153.4	8267.2
42.5°	10821.3	10872.3	10722.8	10556.4	10328.9	9765.0	9082.3	9060.2	8978.7	9039.9
45°	11417.4	11459.9	11325.7	11286.7	11281.6	10885.9	10181.1	10048.6	9934.9	9923.0
47.5°	11636.5	11718.0	11775.8	11906.5	12161.3	11994.9	11317.2	11111.8	10984.4	10891.0
50°	11719.7	11806.3	12003.3	12383.8	12986.6	13058.0	12448.3	12217.3	12061.1	11891.3
52.5°	11607.6	11762.2	12027.1	12667.4	13542.0	13910.5	13533.5	13331.4	13153.1	12876.3
55°	10947.0	11101.6	11643.3	12664.0	13818.8	14508.3	14559.2	14469.2	14268.8	13832.4
57.5°	9554.4	9783.7	10641.3	12232.6	13813.7	15022.9	15564.6	15629.1	15405.0	14780.0
60°	7625.2	7936.0	8982.1	11276.5	13387.4	15301.4	16446.0	16768.7	16530.9	15714.1
62.5°	5320.7	5680.7	6670.8	9778.6	12412.6	15101.0	17089.6	17685.7	17505.7	16549.6
65°	3245.4	3360.9	4159.1	7694.8	10755.1	14262.0	17288.3	18181.6	18122.2	17060.8
67.5°	2161.9	2258.7	2488.0	5276.5	8348.7	12585.8	16812.8	18095.0	18112.0	16977.6
70°	1302.6	1385.8	1535.2	3068.8	5410.7	9962.0	15340.4	16991.1	17089.6	15865.2
72.5°	536.7	592.7	728.6	1390.9	2802.1	6322.6	12215.6	14588.1	14817.4	13339.9
75°	304.0	332.9	428.0	698.0	1216.0	2946.5	7399.3	10356.0	10694.0	9194.4
77.5°	202.1	215.7	276.8	451.7	684.4	1005.4	3162.2	5395.4	6040.7	5021.8
80°	135.9	147.7	190.2	302.3	444.9	431.4	1007.1	1998.9	2459.1	1725.4
82.5°	91.7	93.4	135.9	198.7	281.9	208.9	297.2	621.6	781.2	499.3
85°	52.6	50.9	100.2	115.5	125.7	86.6	90.0	186.8	244.6	210.6
87.5°	6.8	10.2	39.1	30.6	17.0	18.7	18.7	32.3	47.6	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°
2946.5	0°	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5	2946.5
2949.9	2.5°	2949.9	2948.2	2943.1	2938.0	2926.1	2919.3	2922.7	2919.3	2917.6	2919.3
2972.0	5°	2972.0	2966.9	2953.3	2936.3	2912.5	2883.7	2865.0	2837.8	2812.3	2797.0
3031.4	7.5°	3031.4	3026.3	3007.6	2960.1	2883.7	2763.1	2652.7	2555.9	2482.9	2440.4
3126.5	10°	3126.5	3118.0	3089.1	2983.9	2783.5	2520.2	2301.1	2119.4	2000.6	1944.5
3238.6	12.5°	3238.6	3228.4	3177.5	2961.8	2593.3	2182.3	1880.0	1677.9	1567.5	1518.2
3367.7	15°	3371.1	3357.5	3257.3	2856.5	2316.4	1808.7	1531.8	1380.7	1309.4	1265.2
3532.4	17.5°	3535.8	3512.0	3316.7	2698.5	2015.8	1523.3	1317.9	1204.1	1141.2	1098.8
3748.1	20°	3749.8	3710.7	3364.3	2510.0	1739.0	1343.3	1173.5	1078.4	1030.8	993.5
4053.8	22.5°	4048.7	3992.6	3422.0	2306.2	1543.7	1219.4	1066.5	996.9	957.8	915.4
4480.0	25°	4418.9	4352.7	3493.3	2117.7	1409.6	1112.4	988.4	930.6	884.8	835.5
5038.8	27.5°	4936.9	4818.0	3578.2	1963.2	1294.1	1020.7	917.1	852.5	799.9	759.1
5672.2	30°	5514.3	5319.0	3653.0	1869.8	1188.8	935.7	823.7	759.1	709.9	681.0
6241.1	32.5°	6061.1	5796.2	3702.2	1829.0	1093.7	838.9	721.8	652.1	614.8	606.3
6798.2	35°	6577.4	6227.5	3697.1	1790.0	1008.8	742.1	621.6	550.2	521.4	526.5
7397.6	37.5°	7171.8	6687.8	3661.5	1728.8	939.1	653.8	535.0	472.1	446.6	448.3
8126.2	40°	7863.0	7219.3	3639.4	1613.4	862.7	572.3	463.6	412.7	394.0	387.2
8893.8	42.5°	8600.0	7733.9	3642.8	1482.6	767.6	499.3	414.4	371.9	354.9	349.8
9748.0	45°	9340.5	8224.7	3647.9	1346.7	667.4	443.2	378.7	343.0	332.9	326.1
10614.2	47.5°	10036.8	8642.5	3552.8	1200.7	568.9	400.8	349.8	326.1	317.6	309.1
11483.7	50°	10685.5	8921.0	3323.5	1030.8	490.8	366.8	327.8	310.8	302.3	293.8
12271.7	52.5°	11189.9	8965.1	2944.8	855.9	436.5	341.4	314.2	298.9	288.7	280.2
12908.5	55°	11414.0	8688.3	2406.4	692.9	394.0	319.3	300.6	285.3	273.4	264.9
13409.5	57.5°	11356.3	8105.8	1876.6	557.0	353.2	297.2	283.6	273.4	259.8	246.2
13815.4	60°	11072.7	7326.3	1414.7	463.6	315.9	273.4	264.9	256.4	237.8	217.4
13971.6	62.5°	10581.9	6346.4	1008.8	383.8	275.1	246.2	242.9	236.1	208.9	171.5
13740.7	65°	9831.3	5155.9	679.3	319.3	236.1	215.7	217.4	205.5	169.8	127.4
12894.9	67.5°	8734.2	3770.1	434.8	261.5	197.0	180.0	181.7	174.9	144.4	108.7
11291.8	70°	7336.5	2496.5	283.6	198.7	157.9	139.3	149.4	151.1	122.3	88.3
8666.2	72.5°	5378.4	1474.1	198.7	147.7	115.5	96.8	122.3	125.7	98.5	66.2
5213.7	75°	3065.4	699.7	149.4	107.0	71.3	67.9	95.1	95.1	67.9	44.2
2257.0	77.5°	1287.3	292.1	105.3	69.6	40.8	39.1	64.5	59.4	34.0	20.4
550.2	80°	371.9	130.8	56.0	34.0	17.0	15.3	25.5	18.7	8.5	3.4
208.9	82.5°	146.1	57.7	22.1	13.6	6.8	6.8	3.4	0.0	0.0	0.0
118.9	85°	86.6	23.8	10.2	5.1	1.7	0.0	0.0	0.0	0.0	0.0
25.5	87.5°	22.1	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>
2946.5
2926.1
2800.4
2442.1
1939.4
1513.2
1266.9
1095.4
986.7
908.6
830.5
750.6
675.9
611.4
526.5
455.1
385.5
348.1
326.1
309.1
293.8
278.5
263.2
244.6
214.0
168.1
124.0
103.6
84.9
62.8
40.8
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3.4
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