

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: P952116

Luminaire Tested: **GALN-SB6A-760-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952116
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-760-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28723 lumens
Efficiency: N/A
Efficacy: 168.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

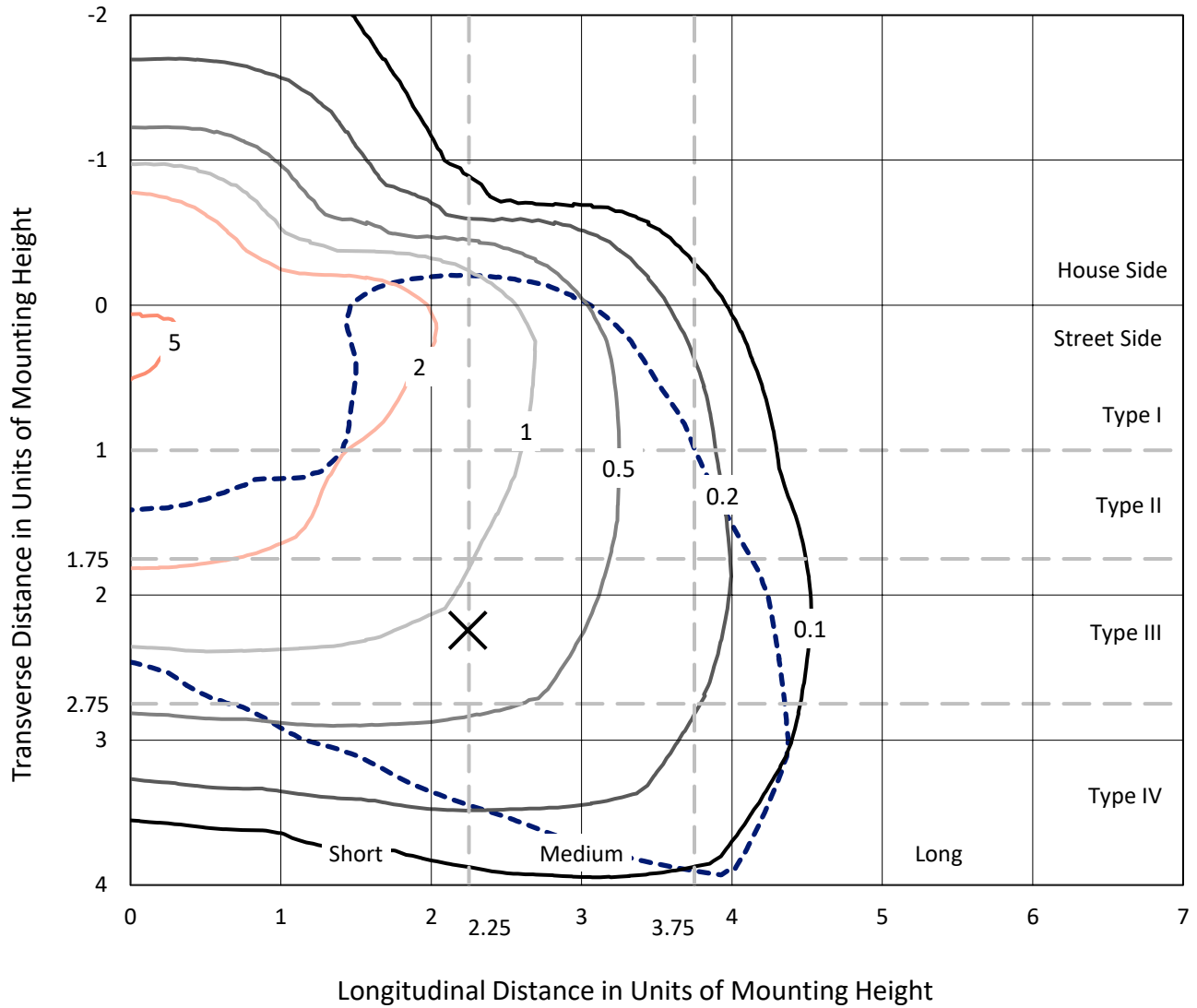
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

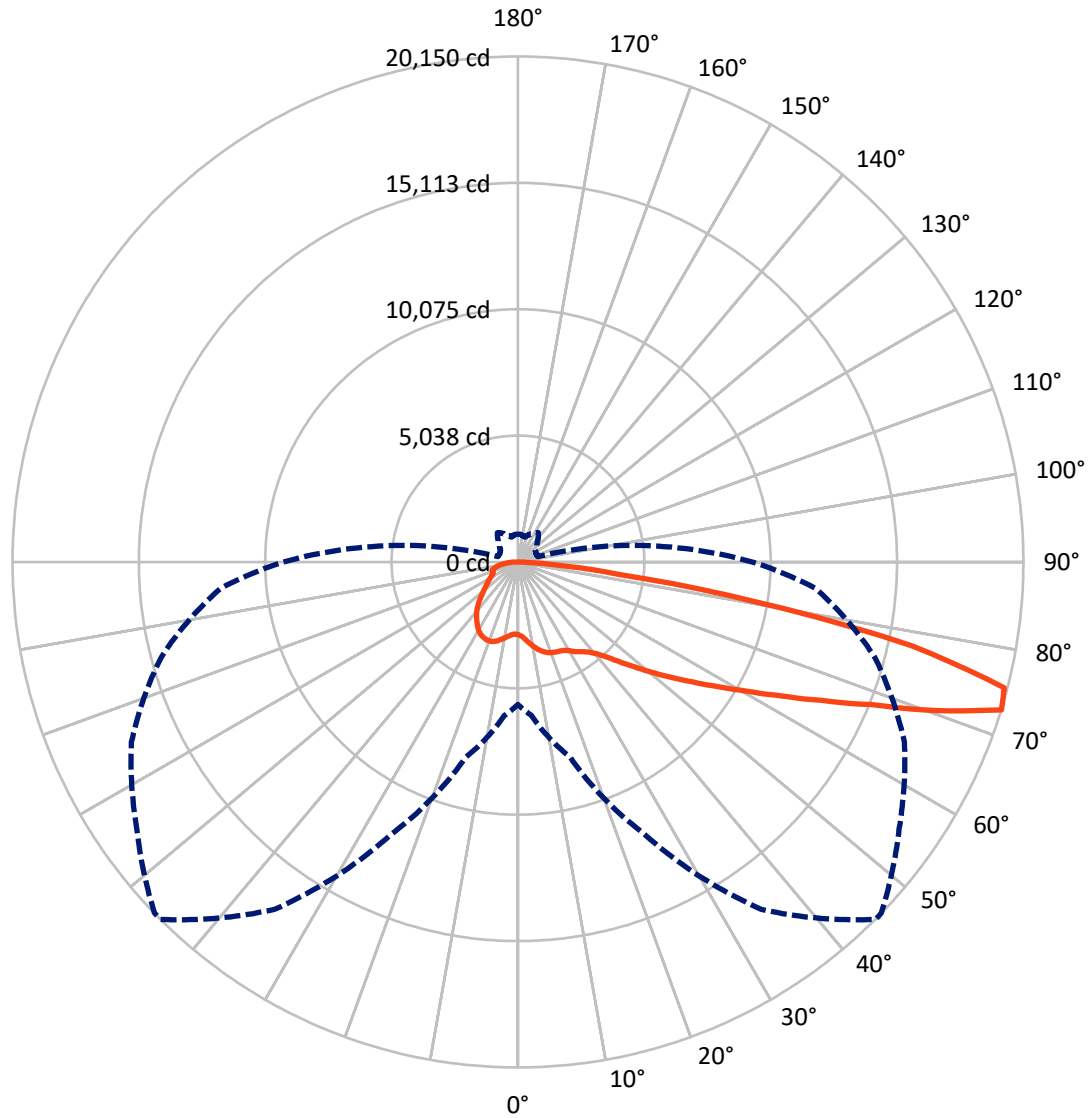
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6493.3	0.0	6493.3
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	22229.7	0.0	22229.7
	% Fixture	77.4	0.0	77.4
Total	Lumens	28723.0	0.0	28723.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.9	1.0
10°-20°	983.3	3.4
20°-30°	1710.5	6.0
30°-40°	2452.1	8.5
40°-50°	3452.7	12.0
50°-60°	5288.5	18.4
60°-70°	7661.2	26.7
70°-80°	6117.9	21.3
80°-90°	762.0	2.7
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°	28723.0	100.0
0°-180°	28723.0	100.0



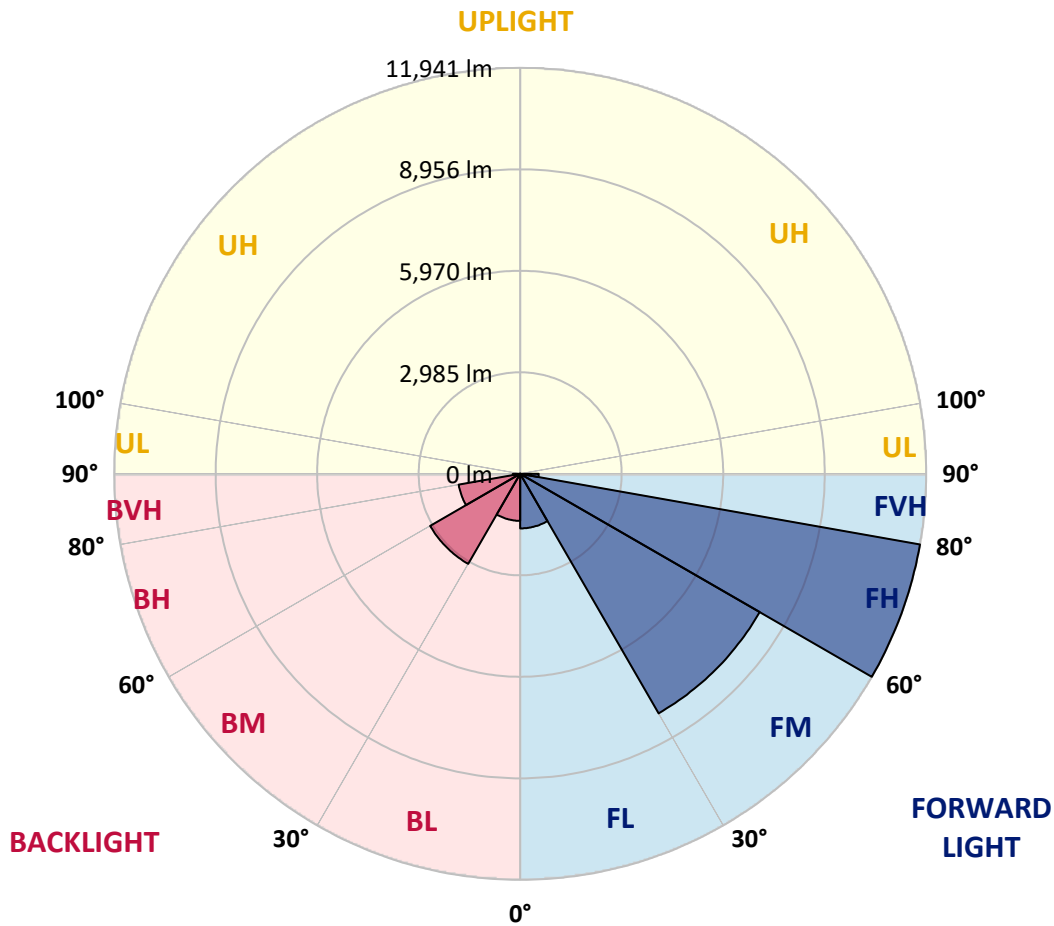
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1606.2	5.6			
FM (30°-60°)	8135.8	28.3			
FH (60°-80°)	11941.0	41.6			G4/12000
FVH (80°-90°)	546.6	1.9			G4/750
BL (0°-30°)	1382.5	4.8	B3/2500		
BM (30°-60°)	3057.4	10.6	B3/5000		
BH (60°-80°)	1838.1	6.4	B3/2500		G3/2500
BVH (80°-90°)	215.3	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6
2.5°	3011.1	3030.7	3012.6	2995.9	2988.4	2968.7	2967.2	2955.1	2947.5	2926.3
5°	3221.4	3247.1	3216.9	3183.6	3153.3	3104.9	3098.8	3064.0	3024.7	2979.3
7.5°	3459.0	3481.6	3446.8	3396.9	3344.0	3263.8	3262.2	3198.7	3136.7	3059.5
10°	3666.2	3696.5	3649.6	3581.5	3514.9	3424.2	3413.6	3340.9	3262.2	3162.4
12.5°	3849.3	3870.5	3825.1	3741.9	3664.7	3573.9	3560.3	3480.1	3392.4	3278.9
15°	3994.6	4021.8	3961.3	3872.0	3790.3	3701.0	3688.9	3616.3	3528.6	3409.0
17.5°	4089.9	4112.6	4050.6	3950.7	3872.0	3797.9	3788.8	3728.3	3651.1	3530.1
20°	4126.2	4150.4	4085.4	3984.0	3911.4	3853.9	3849.3	3805.5	3752.5	3642.0
22.5°	4162.5	4185.2	4100.5	3994.6	3931.0	3894.7	3893.2	3864.5	3843.3	3752.5
25°	4309.3	4315.4	4201.9	4049.1	3958.3	3926.5	3925.0	3923.5	3932.6	3861.4
27.5°	4436.4	4434.9	4338.1	4194.3	4053.6	3987.0	3985.5	4000.6	4029.4	3970.4
30°	4622.5	4605.9	4490.9	4341.1	4212.5	4109.6	4100.5	4086.9	4109.6	4062.7
32.5°	5017.4	4964.5	4778.4	4512.1	4344.1	4265.4	4253.3	4168.6	4177.7	4148.9
35°	5583.3	5513.7	5265.6	4835.9	4507.5	4395.6	4389.5	4282.1	4263.9	4238.2
37.5°	6256.7	6170.4	5881.4	5304.9	4789.0	4546.9	4537.8	4441.0	4366.8	4339.6
40°	6933.0	6824.1	6585.0	5876.9	5203.6	4799.6	4770.8	4624.0	4539.3	4493.9
42.5°	7589.7	7498.9	7294.7	6518.4	5715.0	5168.8	5105.2	4854.0	4790.5	4748.1
45°	8170.8	8089.0	7939.2	7203.9	6314.2	5671.1	5609.1	5199.0	5179.4	5179.4
47.5°	8642.8	8624.7	8465.8	7902.9	7020.8	6243.1	6135.6	5678.7	5731.6	5813.3
50°	9166.4	9116.4	8947.0	8591.4	7851.5	6898.2	6810.5	6267.3	6465.5	6689.4
52.5°	9647.5	9674.8	9485.6	9308.6	8789.6	7629.1	7474.7	6961.8	7390.0	7760.7
55°	10142.3	10143.8	10090.9	10066.7	9773.1	8437.1	8267.6	7797.0	8477.9	8937.9
57.5°	10606.8	10609.9	10688.6	10901.9	10914.0	9369.1	9177.0	8822.9	9686.9	10155.9
60°	11021.4	11042.6	11257.5	11756.8	11917.2	10437.4	10255.8	10034.9	10936.7	11408.8
62.5°	11160.6	11237.8	11716.0	12425.6	12908.3	11747.7	11569.2	11437.5	12250.1	12688.9
65°	10924.6	11101.6	12026.1	12977.9	13928.1	13304.7	13127.7	12983.9	13614.9	14028.0
67.5°	10345.1	10573.6	12008.0	13557.4	15165.8	15177.9	15013.0	14675.6	15078.1	15236.9
70°	8818.4	9160.3	10950.3	13773.8	16586.6	17739.6	17580.7	16712.2	16538.2	15769.6
72.5°	5681.7	6141.7	8063.3	11992.9	16902.9	20150.0	20140.9	18550.6	16999.7	14734.6
75°	2073.0	2354.4	3746.4	7527.7	14188.4	20027.4	20086.4	18235.9	15518.4	11381.6
77.5°	755.0	826.2	1222.6	2893.1	8726.1	16069.2	16191.7	14578.7	11045.6	5712.0
80°	396.4	435.8	626.4	1122.7	3738.9	9543.1	9735.3	8664.0	5191.5	1720.4
82.5°	219.4	237.6	351.0	609.8	1684.1	4080.8	4195.8	3422.6	1826.3	729.3
85°	118.0	125.6	164.9	332.9	823.1	1414.8	1446.5	1022.9	727.8	428.2
87.5°	34.8	42.4	54.5	105.9	322.3	317.8	325.3	202.8	287.5	216.4
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°
2897.6	0°	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6	2897.6
2920.3	2.5°	2911.2	2906.7	2890.0	2882.5	2873.4	2871.9	2879.4	2880.9	2882.5	2884.0
2953.6	5°	2938.4	2923.3	2908.2	2899.1	2902.1	2903.6	2918.8	2929.4	2936.9	2943.0
3015.6	7.5°	2991.4	2979.3	2953.6	2952.1	2956.6	2970.2	2989.9	3014.1	3027.7	3038.3
3095.8	10°	3070.1	3047.4	3017.1	3021.7	3030.7	3050.4	3091.3	3110.9	3133.6	3153.3
3194.2	12.5°	3150.3	3130.6	3095.8	3098.8	3114.0	3148.8	3188.1	3212.3	3227.4	3242.6
3300.1	15°	3254.7	3219.9	3182.1	3182.1	3209.3	3247.1	3265.3	3284.9	3294.0	3310.7
3413.6	17.5°	3362.1	3316.7	3266.8	3263.8	3297.1	3315.2	3325.8	3328.8	3331.9	3350.0
3524.0	20°	3469.5	3419.6	3348.5	3342.4	3350.0	3347.0	3345.5	3342.4	3347.0	3369.7
3637.5	22.5°	3575.5	3518.0	3419.6	3392.4	3371.2	3342.4	3340.9	3339.4	3342.4	3365.1
3760.1	25°	3699.5	3629.9	3498.3	3416.6	3345.5	3306.1	3310.7	3312.2	3315.2	3333.4
3887.2	27.5°	3834.2	3757.0	3570.9	3409.0	3280.4	3253.2	3245.6	3250.1	3260.7	3289.5
4014.3	30°	3968.9	3878.1	3637.5	3378.8	3198.7	3160.9	3136.7	3147.3	3180.5	3209.3
4124.7	32.5°	4091.4	4000.6	3690.5	3312.2	3094.3	3035.3	3003.5	3017.1	3050.4	3061.0
4247.3	35°	4235.2	4132.3	3713.2	3206.3	2980.8	2890.0	2847.7	2828.0	2844.6	2834.0
4391.0	37.5°	4395.6	4288.1	3710.1	3067.1	2847.7	2743.3	2684.2	2610.1	2575.3	2539.0
4602.9	40°	4633.1	4478.8	3673.8	2899.1	2682.7	2587.4	2481.5	2355.9	2277.2	2206.1
4944.8	42.5°	4956.9	4743.6	3607.2	2714.5	2496.6	2407.3	2263.6	2116.8	1992.8	1874.7
5463.8	45°	5439.6	5090.1	3524.0	2517.8	2295.4	2207.6	2051.8	1886.8	1746.1	1594.8
6200.7	47.5°	6135.6	5556.1	3445.3	2293.9	2083.5	2003.3	1862.6	1709.8	1543.4	1396.6
7265.9	50°	7091.9	6224.9	3372.7	2076.0	1874.7	1814.2	1702.2	1546.4	1378.4	1260.4
8514.2	52.5°	8308.4	7134.3	3342.4	1865.7	1679.5	1656.8	1567.6	1422.3	1263.4	1163.6
9969.8	55°	9705.0	8222.2	3342.4	1664.4	1508.6	1516.1	1454.1	1319.4	1181.7	1092.5
11470.8	57.5°	11130.4	9323.7	3281.9	1478.3	1363.3	1395.1	1355.7	1237.7	1113.6	1021.3
13049.0	60°	12443.8	10246.7	3036.8	1308.8	1234.7	1284.6	1258.9	1157.5	1006.2	929.0
14368.4	62.5°	13453.0	10767.2	2564.7	1174.2	1128.8	1186.3	1172.7	1051.6	986.5	954.8
15451.8	65°	13958.4	10682.5	1961.0	1054.6	1039.5	1128.8	1100.0	1095.5	1044.0	1007.7
15804.4	67.5°	13648.2	9953.2	1422.3	966.9	988.1	1075.8	1186.3	1204.4	1109.1	1038.0
14811.8	70°	12287.9	8633.8	1059.2	883.7	923.0	1077.3	1352.7	1260.4	1087.9	1004.7
11879.4	72.5°	9347.9	6438.3	821.6	795.9	838.3	1084.9	1426.9	1234.7	1027.4	1110.6
7400.6	75°	5345.8	3534.6	659.7	688.5	732.3	1013.8	1389.0	1168.1	980.5	1019.8
2932.4	77.5°	2038.1	1358.8	544.7	582.5	588.6	885.2	1328.5	1163.6	933.6	910.9
879.1	80°	706.6	531.1	450.9	463.0	455.4	786.8	1274.0	1012.3	764.1	683.9
363.1	82.5°	289.0	264.8	357.1	342.0	323.8	611.3	1028.9	827.7	624.9	552.3
175.5	85°	125.6	168.0	236.0	207.3	187.6	423.7	824.6	700.6	528.1	455.4
57.5	87.5°	25.7	63.6	99.9	93.8	96.8	283.0	585.6	497.8	373.7	279.9
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°
2897.6
2890.0
2946.0
3041.3
3148.8
3248.6
3316.7
3356.1
3378.8
3380.3
3357.6
3318.2
3241.1
3098.8
2867.3
2561.7
2210.6
1864.1
1576.7
1379.9
1252.8
1156.0
1083.4
1006.2
916.9
944.2
995.6
1025.9
991.1
1101.5
1019.8
830.7
661.2
546.2
453.9
219.4
0.0

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