

Report No	:	Voltage	:	230.080 V
Test No	:	Current	:	0.052 A
LumCAT	:	Power	:	10.002 W
Luminaire	:	PF	:	0.832
LampCAT	:	Ballast type	:	
Lamp flux	:	Width	:	0 mm
Number of Lamps	:	Length	:	0 mm
Phm Type	:	Height	:	0 mm

### Photometric Results

Lumens(lm)	:	995.86	Central intensity(cd)	:	290.600
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	291.100
Luminous Efficacy(lm/W)	:	99.57	Angle of maximum intensity	:	C=45.0 $\gamma$ =0.0
Beam Angle(50%Imax)	:	[C0/180]Total=120.2 [C90/270]Total=120.3			
Field angle(10%Imax)	:	[C0/180]Total=173.6 [C90/270]Total=174.0			
Maximum s/h(1/2)	:	C0_180=1.29 C90_270=1.30			
Maximum s/h(1/4)	:	C0_180=1.41 C90_270=1.43			
CIE Type	:	Direct lighting			
Output flux ratio in $\pi$ solid angle	:	69.681%			

## Zonal flux distribution table

Appendix Page: 2 Total:10

$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	290.925	0.000	0	0.00%	0.00%
5.0	290.138	6.946	6.946	0.70%	0.70%
10.0	287.525	20.665	27.611	2.08%	2.77%
15.0	282.750	33.828	61.44	3.40%	6.17%
20.0	275.900	46.041	107.48	4.62%	10.79%
25.0	266.763	56.915	164.395	5.72%	16.51%
30.0	255.500	66.093	230.488	6.64%	23.14%
35.0	242.188	73.288	303.776	7.36%	30.50%
40.0	226.650	78.222	381.998	7.85%	38.36%
45.0	209.250	80.710	462.709	8.10%	46.46%
50.0	189.688	80.611	543.32	8.09%	54.56%
55.0	168.563	77.895	621.215	7.82%	62.38%
60.0	145.975	72.704	693.92	7.30%	69.68%
65.0	122.088	65.166	759.086	6.54%	76.22%
70.0	97.188	55.522	814.608	5.58%	81.80%
75.0	72.900	44.458	859.066	4.46%	86.26%
80.0	51.013	33.156	892.222	3.33%	89.59%
85.0	33.475	22.957	915.179	2.31%	91.90%
90.0	22.050	15.203	930.382	1.53%	93.43%
95.0	15.938	10.401	940.783	1.04%	94.47%
100.0	13.725	8.060	948.843	0.81%	95.28%
105.0	13.100	7.178	956.021	0.72%	96.00%
110.0	12.500	6.691	962.712	0.67%	96.67%
115.0	11.788	6.150	968.862	0.62%	97.29%
120.0	11.000	5.540	974.402	0.56%	97.85%
125.0	10.150	4.889	979.291	0.49%	98.34%
130.0	9.175	4.202	983.493	0.42%	98.76%
135.0	8.175	3.506	986.998	0.35%	99.11%
140.0	7.125	2.833	989.831	0.28%	99.40%
145.0	5.975	2.186	992.017	0.22%	99.61%
150.0	4.825	1.590	993.607	0.16%	99.77%
155.0	3.675	1.076	994.683	0.11%	99.88%
160.0	2.550	0.653	995.336	0.07%	99.95%
165.0	1.563	0.339	995.675	0.03%	99.98%
170.0	0.738	0.136	995.811	0.01%	100.00%
175.0	0.288	0.037	995.848	0.00%	100.00%
180.0	0.325	0.007	995.855	0.00%	100.00%

Equipment:  
Temperature( $^{\circ}\text{C}$ ): 25.2

Date: 2020/12/28  
Humidity(%): 43.0%

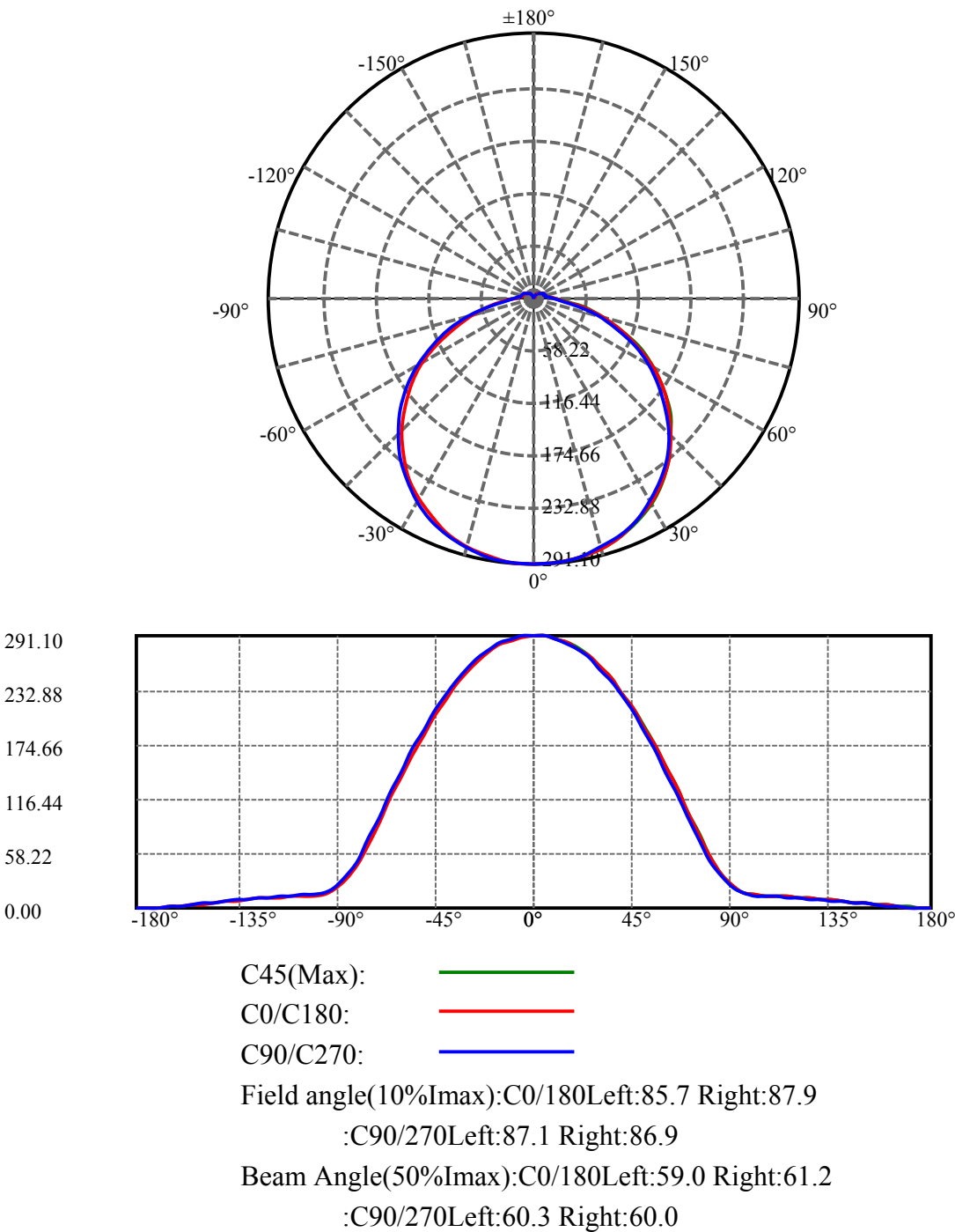
Operator: LSC  
Distance(m): 10.00

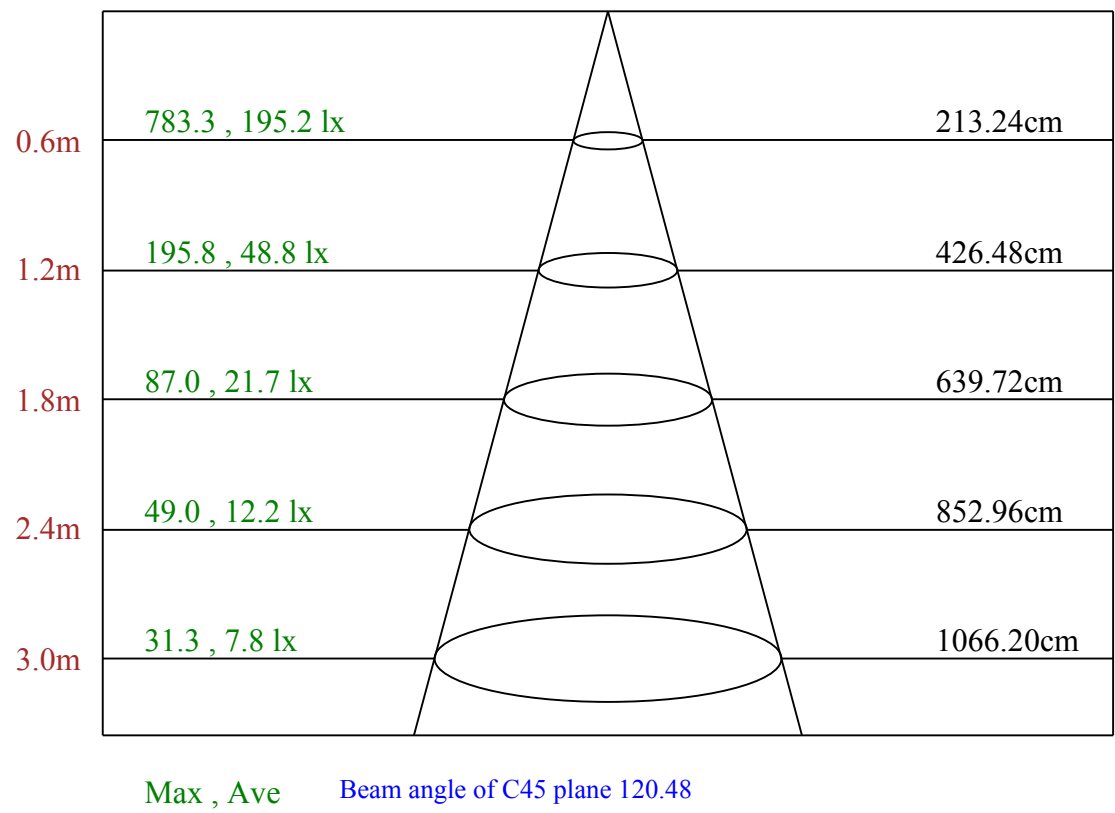
## ZONAL LUMEN SUMMARY

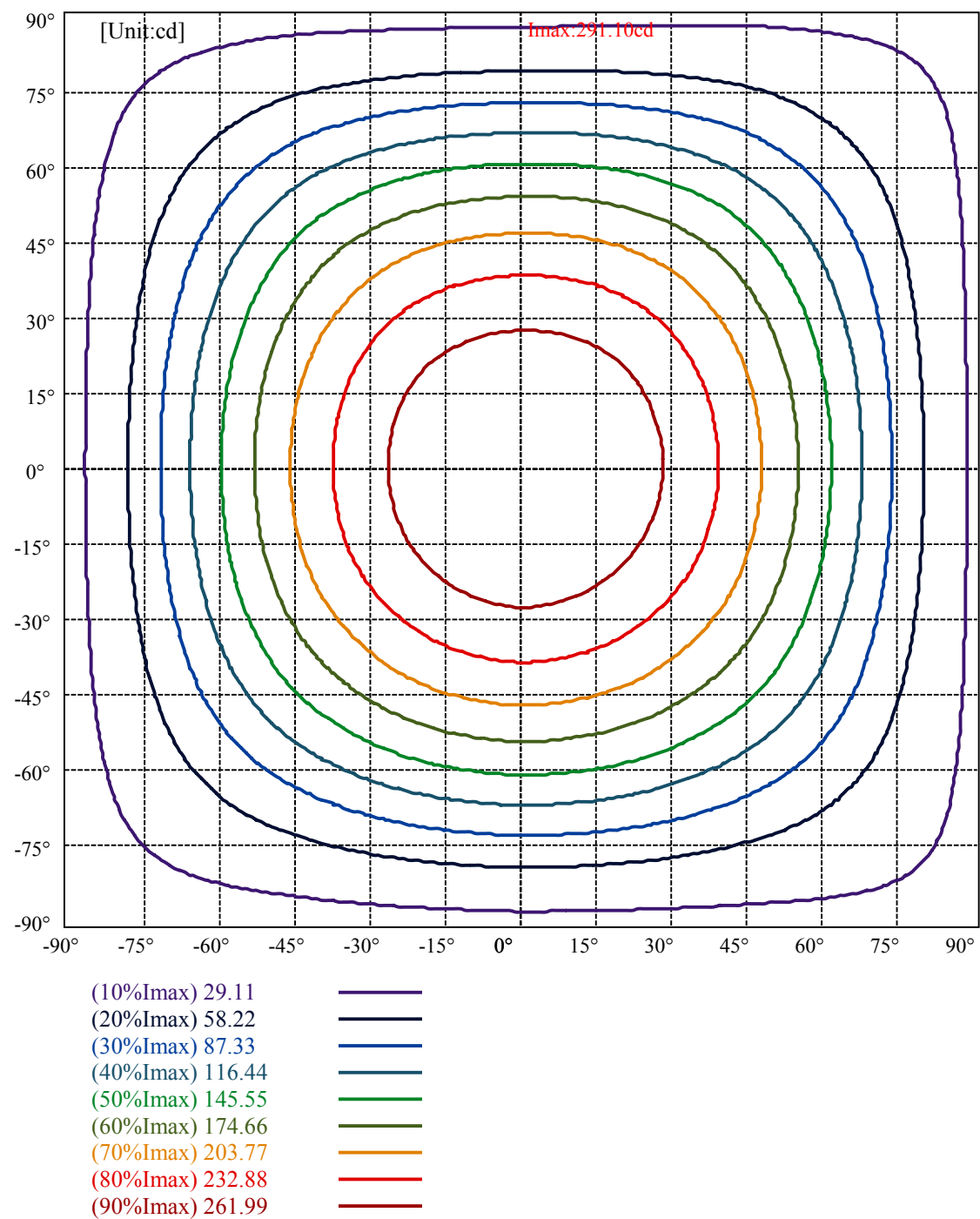
Zone	Lumens	%Fixt
0-30	230.49	23.14%
0-40	382.00	38.36%
0-60	693.92	69.68%
0-90	930.38	93.43%
0-120	974.40	97.85%
0-180	995.86	100.00%
60-90	236.46	23.74%
90-120	44.02	4.42%
90-130	53.11	5.33%
90-150	63.23	6.35%
90-180	65.47	6.57%
0-68.39	796.68	80.00%

## ZONAL LUMEN SUMMARY

0-10	27.61
10-20	79.87
20-30	123.01
30-40	151.51
40-50	161.32
50-60	150.60
60-70	120.69
70-80	77.61
80-90	38.16
90-100	18.46
100-110	13.87
110-120	11.69
120-130	9.09
130-140	6.34
140-150	3.78
150-160	1.73
160-170	0.48
170-180	0.04



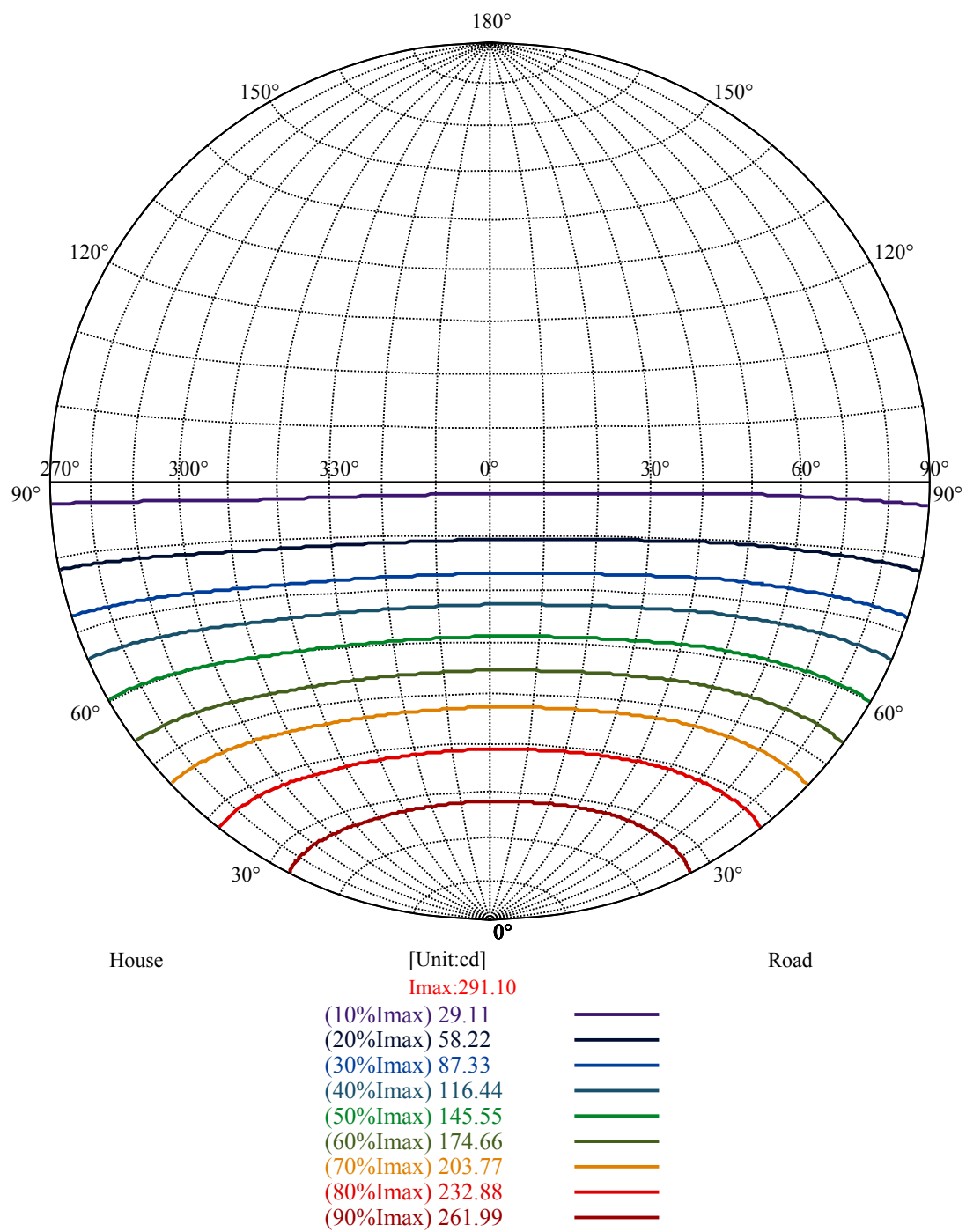


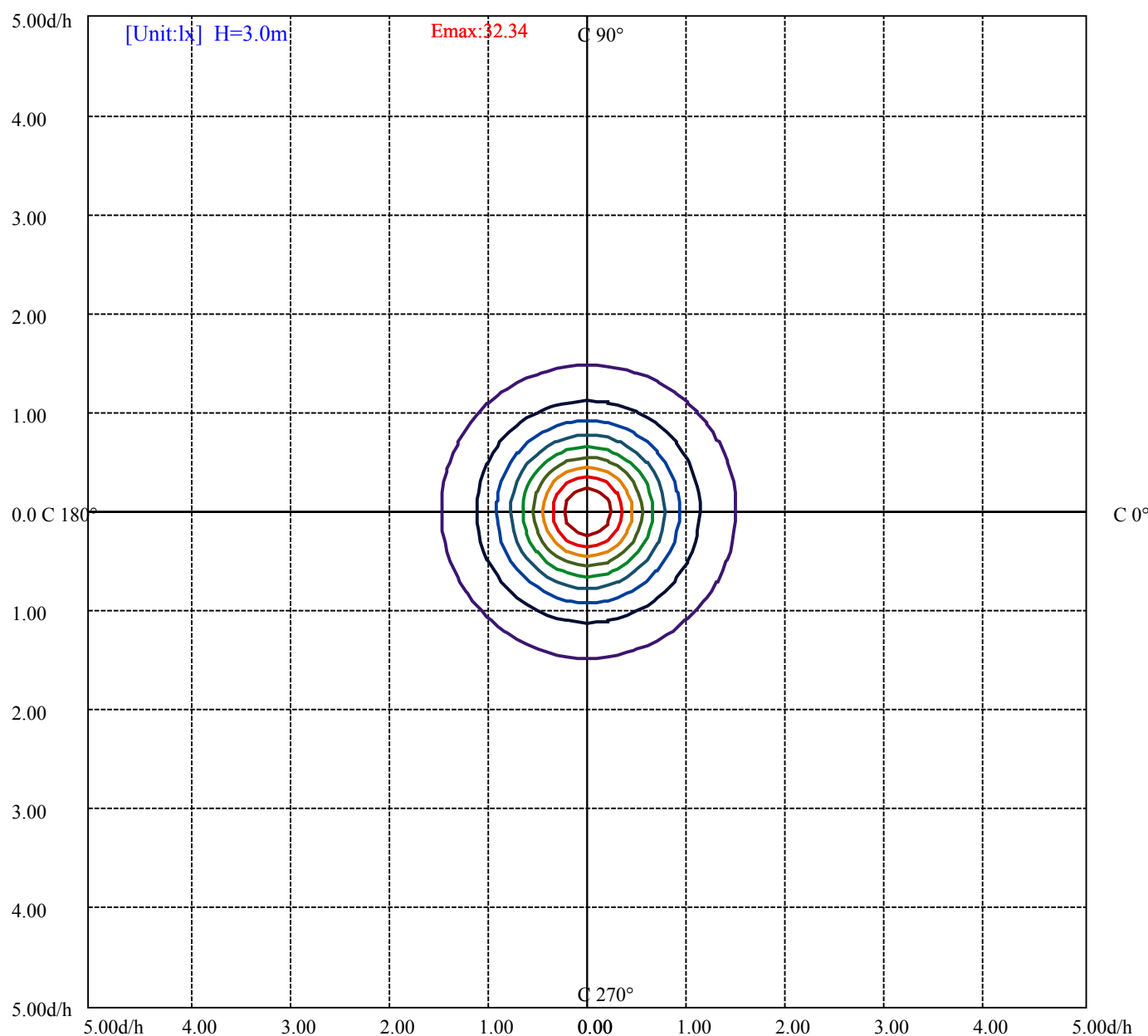


Equipment:  
Temperature(°C): 25.2

Date: 2020/12/28  
Humidity(%): 43.0%

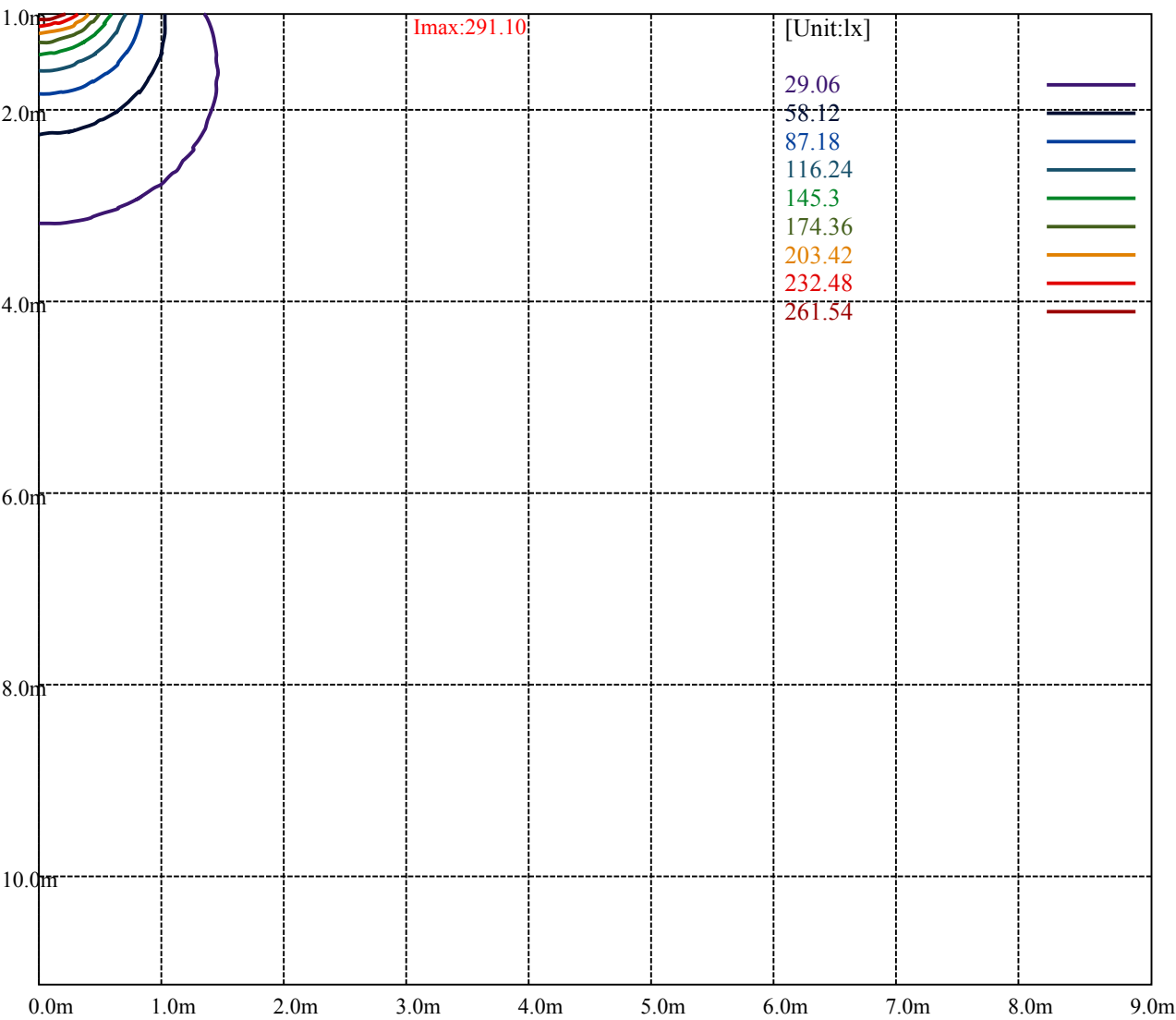
Operator: LSC  
Distance(m): 10.00





(10%Emax) 3.234445	—
(20%Emax) 6.468889	—
(30%Emax) 9.703334	—
(40%Emax) 12.93778	—
(50%Emax) 16.17222	—
(60%Emax) 19.40667	—
(70%Emax) 22.64111	—
(80%Emax) 25.87556	—
(90%Emax) 29.11	—





C/ $\gamma$ (°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	290.60	290.20	287.90	283.70	277.30	268.50	257.80	245.10	229.70
45.0	291.10	290.50	288.30	284.00	277.80	269.10	258.30	245.60	230.40
90.0	291.10	290.30	287.70	282.80	275.90	267.00	255.50	242.20	227.00
135.0	290.90	290.10	287.60	282.60	275.80	266.80	255.20	242.00	226.70
180.0	290.60	289.60	286.50	281.40	274.20	264.30	252.70	239.10	222.90
225.0	291.10	290.00	287.00	281.70	274.50	264.70	253.10	239.30	223.00
270.0	291.10	290.30	287.70	283.10	276.00	267.10	255.90	242.30	227.00
315.0	290.90	290.10	287.50	282.70	275.70	266.60	255.50	241.90	226.50
360.0	290.60	290.20	287.90	283.70	277.30	268.50	257.80	245.10	229.70

C/ $\gamma$ (°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	212.90	194.30	173.20	151.10	127.50	102.20	77.80	55.20	36.10
45.0	213.60	195.10	174.10	152.00	128.60	103.20	78.90	56.20	36.70
90.0	209.10	189.20	168.60	145.40	121.80	97.30	72.30	50.50	33.50
135.0	208.90	189.90	169.00	145.80	122.10	97.70	72.70	50.90	33.20
180.0	205.10	185.00	163.20	140.60	116.80	91.50	67.80	47.00	30.60
225.0	205.20	185.10	163.10	140.40	116.50	91.20	67.50	46.90	30.60
270.0	209.80	190.10	169.20	146.80	122.20	97.70	73.60	51.20	33.80
315.0	209.40	188.80	168.10	145.70	121.20	96.70	72.60	50.20	33.30
360.0	212.90	194.30	173.20	151.10	127.50	102.20	77.80	55.20	36.10

C/ $\gamma$ (°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	23.80	16.80	14.00	13.20	12.70	12.00	11.20	10.40	9.40
45.0	24.20	16.90	13.80	13.00	12.50	11.80	11.10	10.30	9.30
90.0	21.70	15.50	13.20	12.60	12.00	11.40	10.60	9.80	8.90
135.0	21.30	15.30	13.00	12.40	11.80	11.20	10.40	9.60	8.70
180.0	20.30	15.10	13.50	13.00	12.40	11.60	10.80	10.00	9.00
225.0	20.50	15.60	14.10	13.60	12.90	12.10	11.30	10.30	9.30
270.0	22.50	16.30	14.30	13.70	13.10	12.30	11.50	10.60	9.50
315.0	22.10	16.00	13.90	13.30	12.60	11.90	11.10	10.20	9.30
360.0	23.80	16.80	14.00	13.20	12.70	12.00	11.20	10.40	9.40

C/ $\gamma$ (°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	8.40	7.40	6.30	5.10	4.00	2.80	1.80	0.90	0.40
45.0	8.40	7.40	6.20	5.10	4.00	2.90	1.90	1.00	0.40
90.0	8.00	7.00	5.90	4.80	3.70	2.60	1.70	0.80	0.30
135.0	7.80	6.80	5.70	4.60	3.50	2.50	1.50	0.70	0.30
180.0	7.90	6.90	5.70	4.50	3.40	2.30	1.30	0.50	0.20
225.0	8.20	7.10	5.90	4.70	3.40	2.20	1.20	0.50	0.20
270.0	8.50	7.30	6.10	4.90	3.70	2.50	1.50	0.70	0.20
315.0	8.20	7.10	6.00	4.90	3.70	2.60	1.60	0.80	0.30
360.0	8.40	7.40	6.30	5.10	4.00	2.80	1.80	0.90	0.40

C/ $\gamma$ (°)	180.0
0.0	0.30
45.0	0.40
90.0	0.30
135.0	0.30
180.0	0.30
225.0	0.40
270.0	0.30
315.0	0.30
360.0	0.30