
Report No	:		Voltage : 229.980 V
Test No	:	A2113906A001	Current : 0.150 A
LumCAT	:		Power : 32.954 W
Luminaire	:	1200mm Batten, White, 220-240V, 34W, 4200lm, 123lm/w, 4000K	PF : 0.957
LampCAT	:	-	Ballast : type
Lamp flux	:	lm	Width : 0 mm
Number of Lamps	:	1	Lengt : 0 mm
Phm Type	:	C	Height : 0 mm

Photometric Results

Lumens(lm)	: 4200.61	Central intensity(cd)	: 1069.600
Efficiency(%)	: 100.00%	Maximum intensity(cd)	: 1071.000
Luminous Efficacy(lm/W)	: 127.47	Angle of maximum intensity	: C=150.0 γ =0.0
Beam Angle(50%Imax)	: [C0/180]Total=137.2 [C90/270]Total=113.3		
Field angle(10%Imax)	: [C0/180]Total=265.2 [C90/270]Total=160.1		
Maximum s/h(1/2)	: C0_180=1.30 C90_270=1.27		
Maximum s/h(1/4)	: C0_180=1.45 C90_270=1.39		
CIE Type	: Semidirect lighting		
Output flux ratio in π solid angle :	: 60.760%		

Equipment:
Temperature(°C): 24.9

Date: 2021/10/16
Humidity(%): 50.0%

Operator: CWQ
Distance(m): 10.00

Zonal flux distribution table

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$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	1069.433	0.000	0	0.00%	0.00%
5.0	1065.375	25.521	25.521	0.61%	0.61%
10.0	1053.158	75.787	101.308	1.80%	2.41%
15.0	1032.933	123.746	225.053	2.95%	5.36%
20.0	1005.042	167.958	393.011	4.00%	9.36%
25.0	970.183	207.165	600.176	4.93%	14.29%
30.0	928.425	240.270	840.446	5.72%	20.01%
35.0	880.475	266.373	1106.819	6.34%	26.35%
40.0	826.775	284.842	1391.661	6.78%	33.13%
45.0	767.500	295.193	1686.854	7.03%	40.16%
50.0	703.217	297.180	1984.034	7.07%	47.23%
55.0	635.367	291.053	2275.086	6.93%	54.16%
60.0	563.900	277.207	2552.293	6.60%	60.76%
65.0	489.800	256.156	2808.45	6.10%	66.86%
70.0	416.467	229.473	3037.922	5.46%	72.32%
75.0	344.717	198.961	3236.884	4.74%	77.06%
80.0	277.317	166.439	3403.322	3.96%	81.02%
85.0	221.808	135.624	3538.947	3.23%	84.25%
90.0	179.192	109.797	3648.744	2.61%	86.86%
95.0	151.408	90.521	3739.264	2.15%	89.02%
100.0	130.450	76.588	3815.852	1.82%	90.84%
105.0	114.292	65.486	3881.338	1.56%	92.40%
110.0	101.917	56.513	3937.852	1.35%	93.74%
115.0	91.583	48.995	3986.847	1.17%	94.91%
120.0	82.900	42.417	4029.264	1.01%	95.92%
125.0	74.583	36.402	4065.666	0.87%	96.79%
130.0	66.733	30.727	4096.393	0.73%	97.52%
135.0	60.067	25.622	4122.015	0.61%	98.13%
140.0	53.242	20.980	4142.995	0.50%	98.63%
145.0	46.758	16.684	4159.679	0.40%	99.03%
150.0	40.933	12.913	4172.592	0.31%	99.33%
155.0	36.167	9.757	4182.349	0.23%	99.57%
160.0	32.308	7.182	4189.531	0.17%	99.74%
165.0	29.308	5.078	4194.609	0.12%	99.86%
170.0	27.525	3.371	4197.98	0.08%	99.94%
175.0	27.525	1.969	4199.95	0.05%	99.98%
180.0	27.817	0.662	4200.611	0.02%	100.00%

Equipment:
Temperature($^{\circ}\text{C}$): 24.9

Date: 2021/10/16
Humidity(%): 50.0%

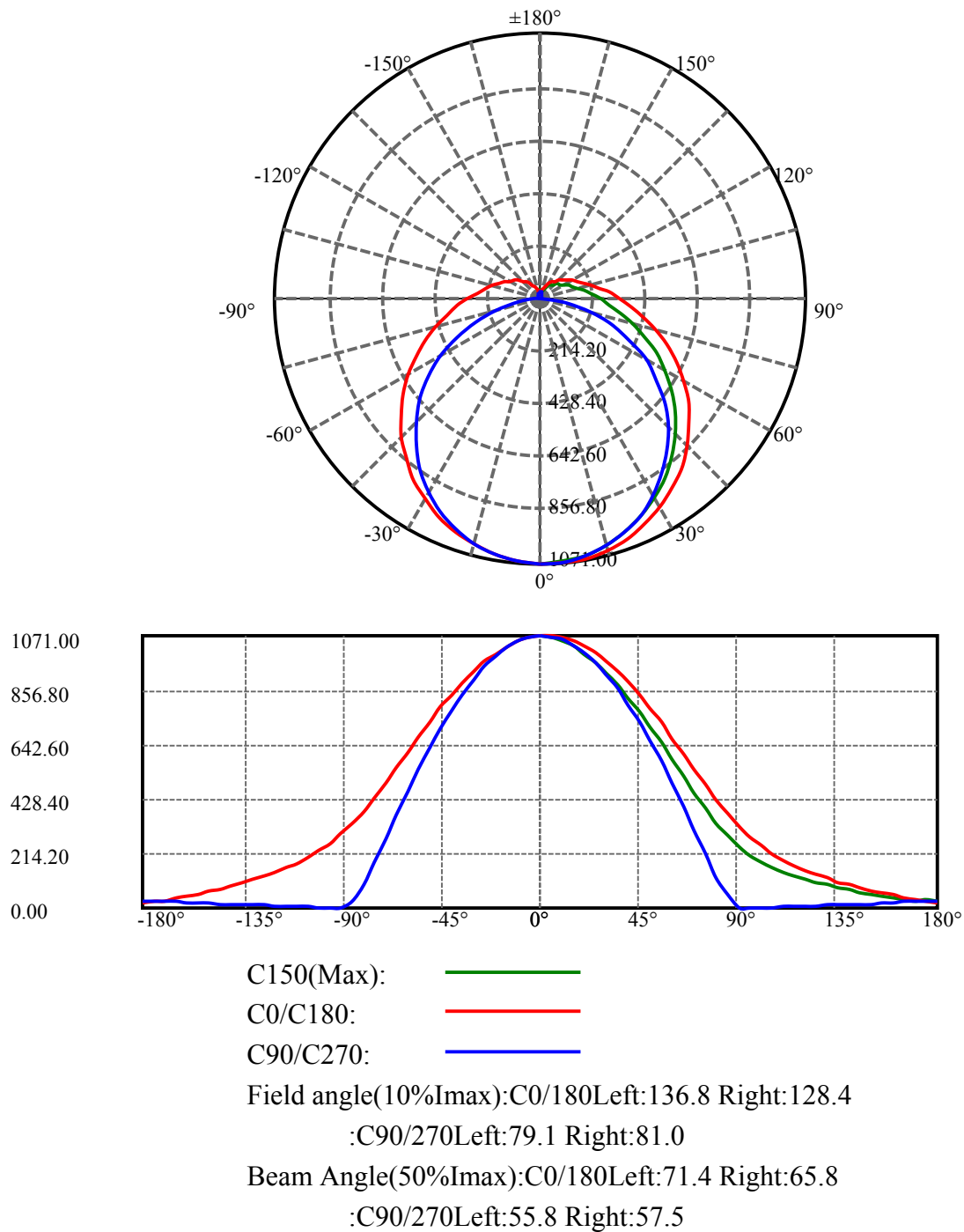
Operator: CWQ
Distance(m): 10.00

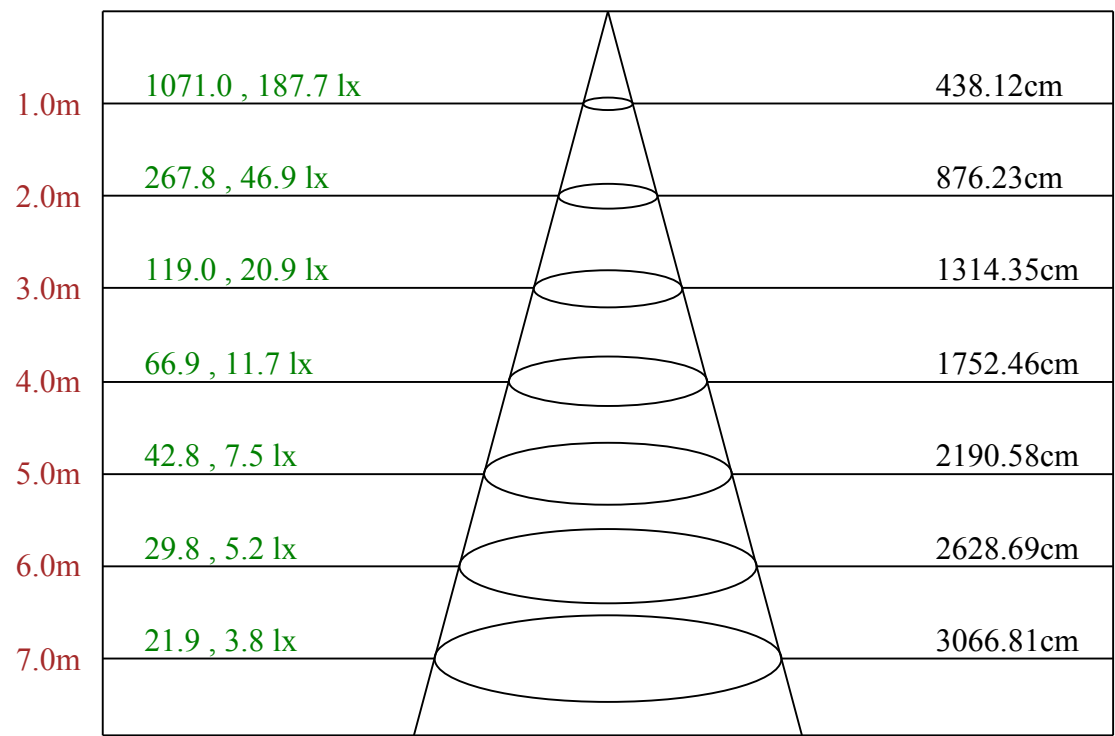
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	840.45	20.01%
0-40	1391.66	33.13%
0-60	2552.29	60.76%
0-90	3648.74	86.86%
0-120	4029.26	95.92%
0-180	4200.61	100.00%
60-90	1096.45	26.10%
90-120	380.52	9.06%
90-130	447.65	10.66%
90-150	523.85	12.47%
90-180	551.21	13.12%
0-78.71	3360.49	80.00%

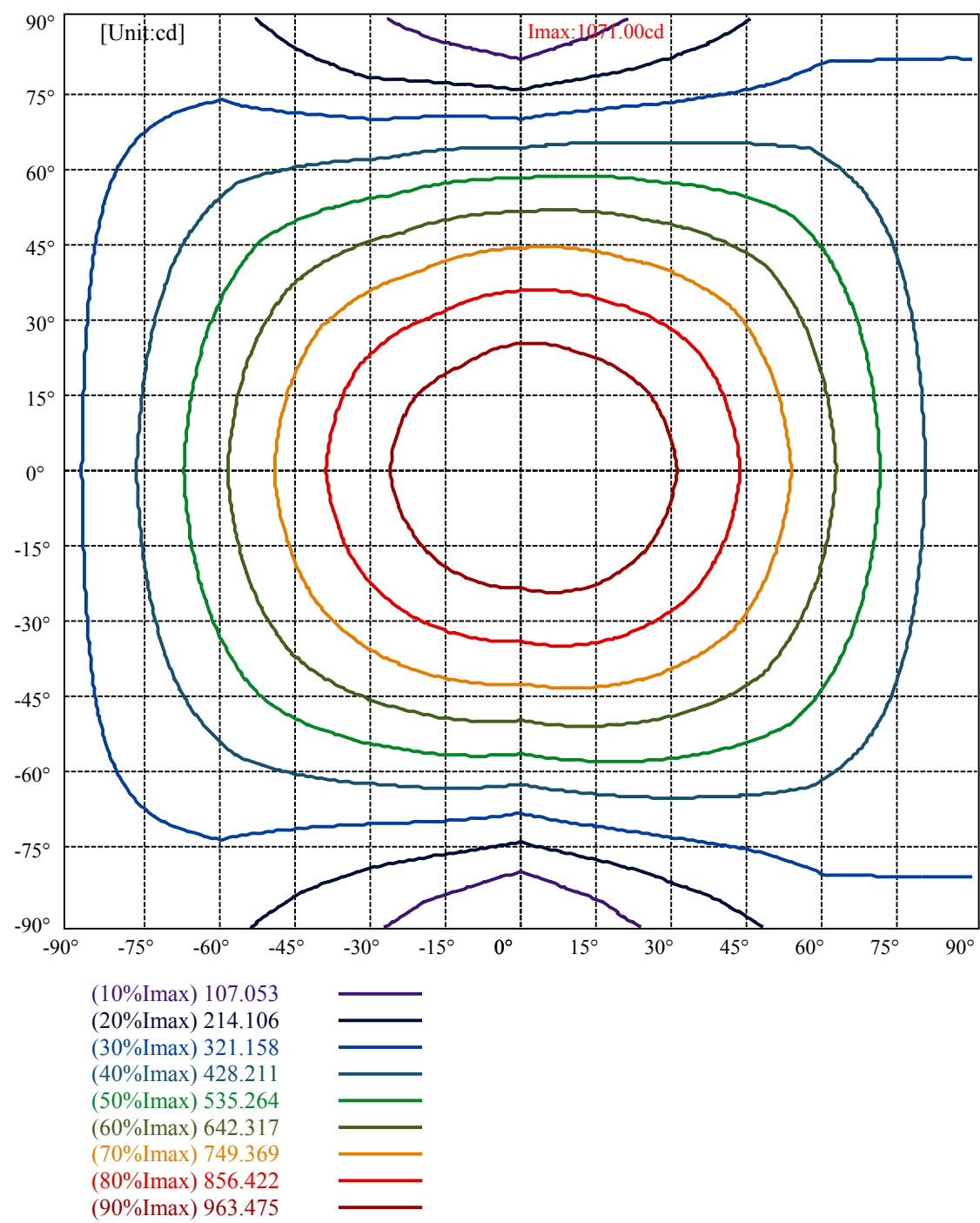
ZONAL LUMEN SUMMARY

0-10	101.31
10-20	291.70
20-30	447.44
30-40	551.21
40-50	592.37
50-60	568.26
60-70	485.63
70-80	365.40
80-90	245.42
90-100	167.11
100-110	122.00
110-120	91.41
120-130	67.13
130-140	46.60
140-150	29.60
150-160	16.94
160-170	8.45
170-180	1.97





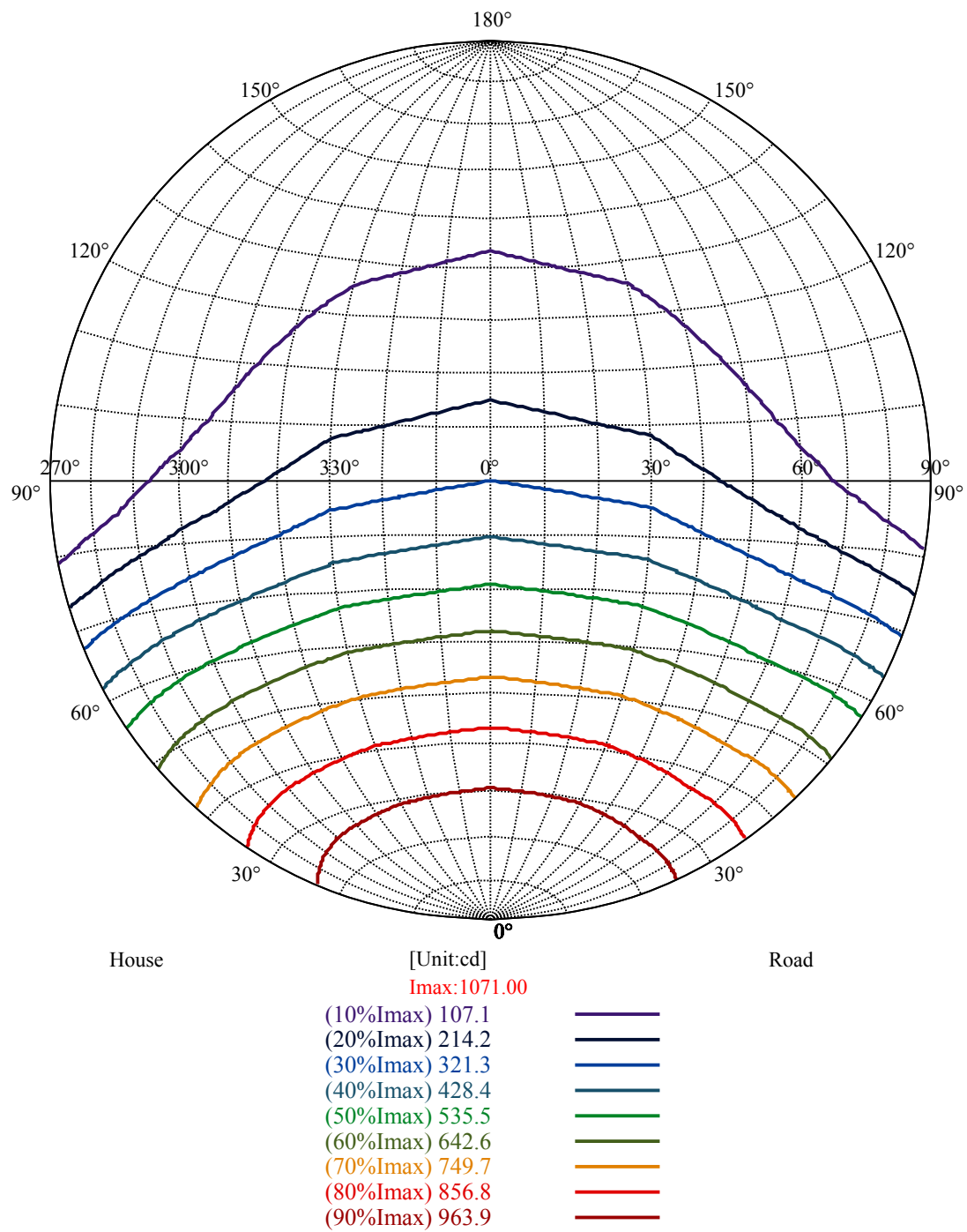
Max , Ave Beam angle of C150 plane 130.93

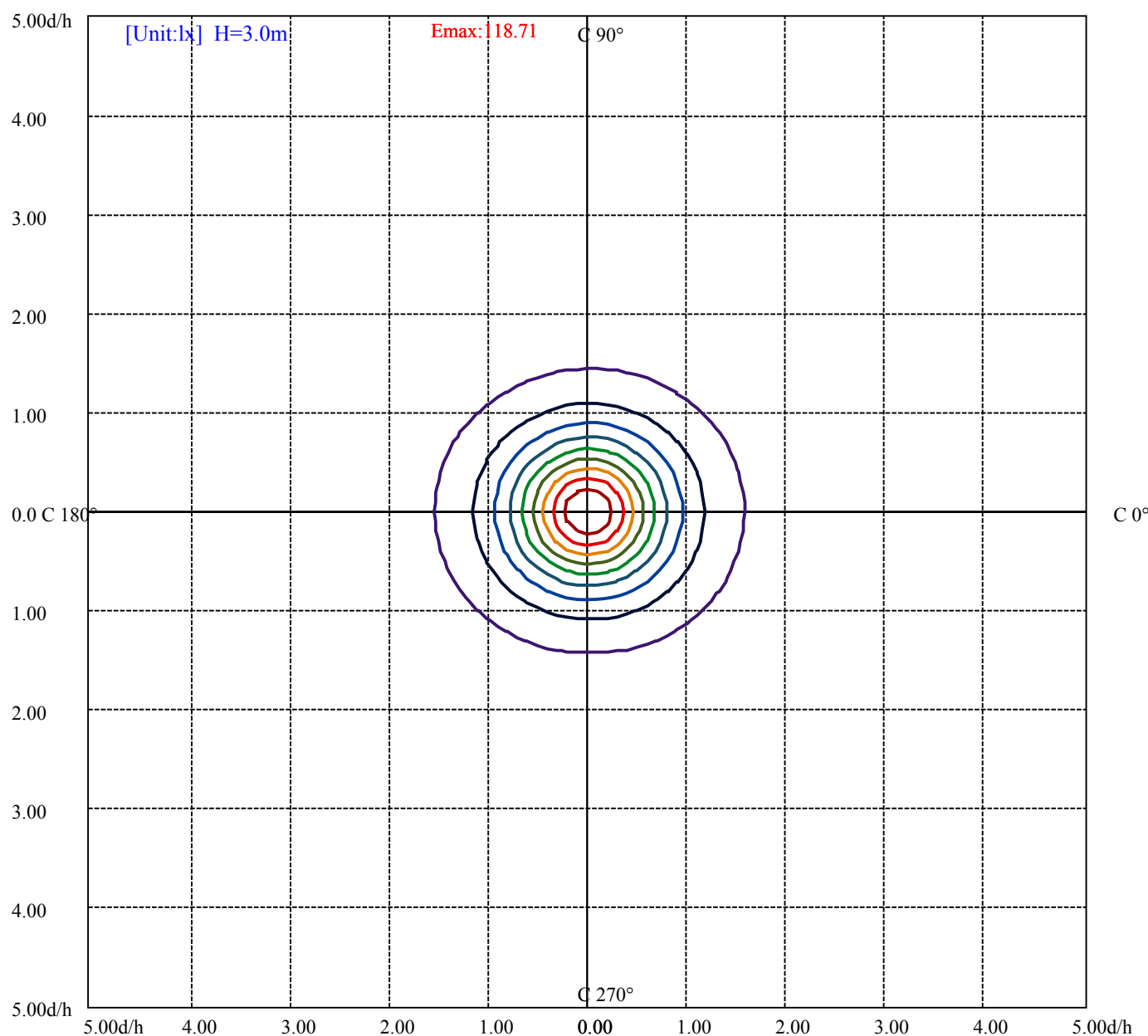


Equipment:
Temperature(°C): 24.9

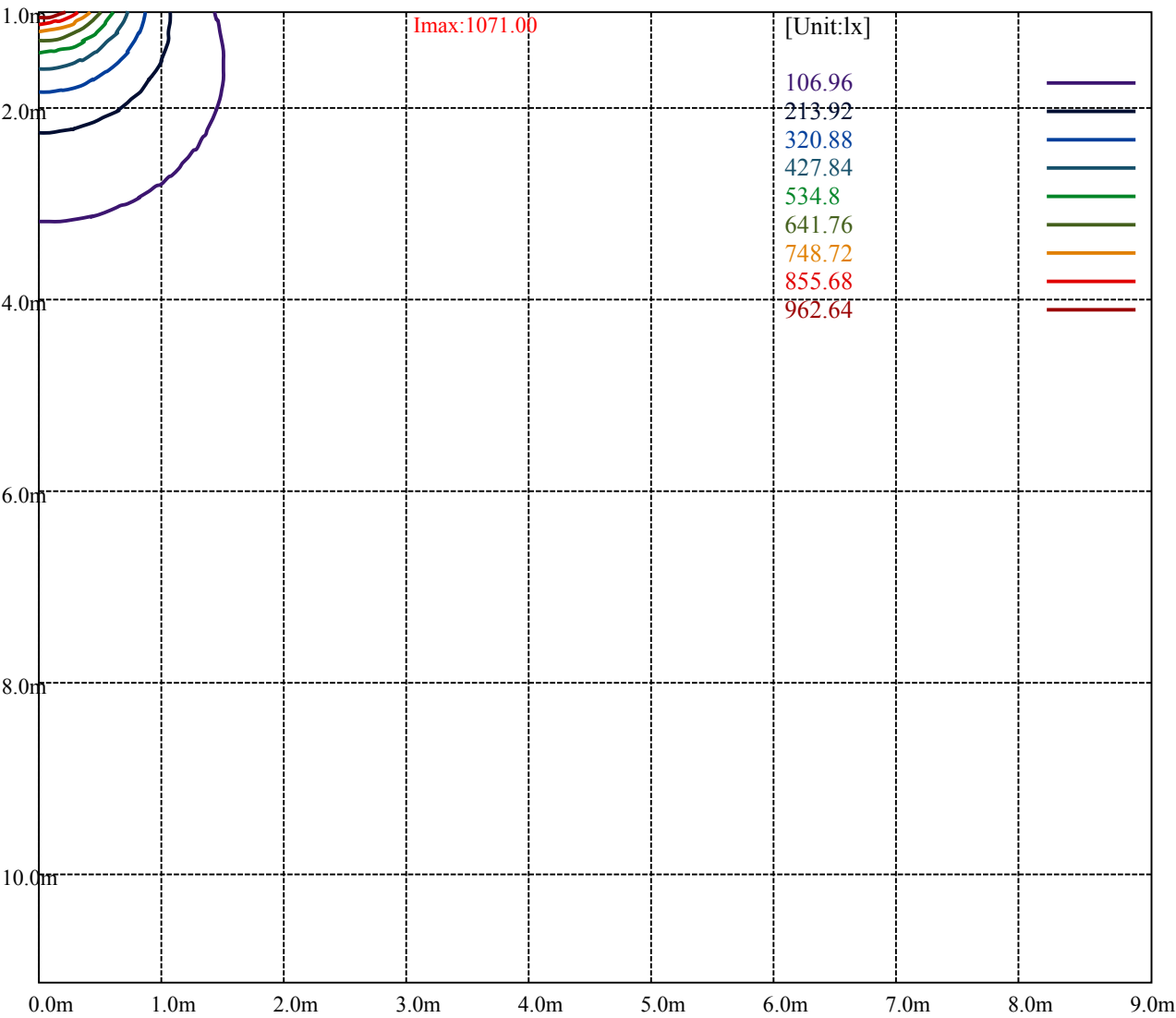
Date: 2021/10/16
Humidity(%): 50.0%

Operator: CWQ
Distance(m): 10.00





(10%E _{max}) 11.87056	
(20%E _{max}) 23.74111	
(30%E _{max}) 35.61167	
(40%E _{max}) 47.48222	
(50%E _{max}) 59.35278	
(60%E _{max}) 71.22334	
(70%E _{max}) 83.09389	
(80%E _{max}) 94.96445	
(90%E _{max}) 106.835	



Intensity data(cd)

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C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	1069.60	1069.70	1063.30	1049.10	1028.70	1002.40	969.30	931.80	888.90
30.0	1067.40	1067.40	1059.40	1044.70	1021.30	992.50	956.90	914.80	868.50
60.0	1069.30	1067.20	1056.00	1037.00	1008.80	971.70	928.60	879.10	822.70
90.0	1069.60	1066.60	1054.60	1033.50	1002.30	964.00	917.60	861.80	800.70
120.0	1069.70	1063.30	1047.80	1023.50	990.70	951.30	904.70	849.60	790.40
150.0	1071.00	1064.00	1049.50	1027.90	1000.10	964.70	925.00	880.00	827.80
180.0	1069.60	1062.10	1048.10	1027.20	999.90	968.20	931.40	888.00	840.70
210.0	1067.40	1059.80	1045.10	1022.60	994.00	959.40	918.70	872.90	821.00
240.0	1069.30	1062.40	1047.10	1023.20	991.50	952.50	904.70	851.70	793.10
270.0	1069.60	1063.70	1048.20	1022.80	989.70	948.50	897.90	841.20	778.00
300.0	1069.70	1068.10	1057.30	1038.20	1010.80	973.90	931.10	881.20	822.80
330.0	1071.00	1070.20	1061.50	1045.50	1022.70	993.10	955.20	913.60	866.70
360.0	1069.60	1069.70	1063.30	1049.10	1028.70	1002.40	969.30	931.80	888.90
C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	838.70	786.10	729.50	667.90	606.60	545.20	482.40	424.50	371.10
30.0	817.00	758.60	698.30	635.50	568.50	503.30	439.80	377.40	322.80
60.0	758.70	692.10	621.00	543.70	467.20	390.10	315.10	243.50	184.10
90.0	733.20	656.70	577.30	492.50	399.80	307.20	213.70	120.80	52.10
120.0	726.10	657.40	581.80	504.90	424.10	346.20	272.10	198.70	150.50
150.0	772.70	713.80	648.90	584.20	518.50	451.90	390.70	334.50	283.70
180.0	789.60	732.20	674.30	614.10	551.10	491.80	434.90	380.00	332.70
210.0	765.80	704.70	644.90	578.40	513.50	449.90	387.40	332.20	284.00
240.0	729.50	658.50	585.70	510.10	429.50	352.20	276.20	210.90	158.00
270.0	705.60	629.60	548.20	461.90	367.60	274.30	180.70	91.30	24.10
300.0	760.60	693.60	619.70	544.80	467.50	387.10	311.50	241.80	180.70
330.0	812.50	755.30	694.80	628.80	563.70	498.40	432.10	372.20	317.90
360.0	838.70	786.10	729.50	667.90	606.60	545.20	482.40	424.50	371.10
C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	321.10	279.70	244.20	213.30	188.50	167.50	148.70	132.60	117.10
30.0	275.00	233.90	201.70	174.90	154.30	137.40	123.10	109.30	96.40
60.0	138.00	108.30	89.60	77.60	69.90	62.40	57.50	50.30	43.30
90.0	2.40	0.90	2.10	3.30	4.60	6.10	7.70	9.30	10.80
120.0	113.20	89.30	74.10	64.80	58.60	53.80	50.00	46.00	42.40
150.0	242.40	208.50	180.40	158.50	140.00	125.10	112.20	100.70	90.40
180.0	291.60	255.00	224.80	198.50	176.00	157.10	140.40	125.00	111.50
210.0	242.20	209.30	181.60	159.20	141.50	126.60	113.30	102.10	92.10
240.0	119.00	94.80	79.40	69.50	62.90	58.00	53.60	50.50	46.10
270.0	0.10	0.70	2.00	3.50	5.40	7.00	8.70	10.30	11.80
300.0	136.00	106.20	87.50	76.40	69.20	62.20	58.10	50.70	42.90
330.0	269.30	230.30	198.00	172.00	152.10	135.80	121.50	108.20	96.00
360.0	321.10	279.70	244.20	213.30	188.50	167.50	148.70	132.60	117.10
C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	102.20	90.50	79.70	69.40	59.80	51.10	40.80	33.50	25.30
30.0	86.60	73.60	59.90	50.70	38.70	31.50	27.90	24.30	21.00
60.0	38.10	34.40	30.10	26.10	25.70	25.20	25.00	24.20	25.20
90.0	12.20	13.40	14.40	16.10	19.00	21.70	24.30	26.70	28.70
120.0	39.70	37.30	34.60	31.20	28.10	24.90	27.80	32.60	33.20
150.0	81.20	71.60	63.10	54.80	46.80	39.90	32.70	26.20	33.30
180.0	99.20	87.10	75.80	65.40	54.90	45.80	36.90	29.10	26.10
210.0	82.30	73.10	64.60	55.90	47.80	40.50	33.30	27.30	31.20
240.0	42.70	39.10	36.00	32.90	30.10	27.40	25.50	30.30	32.30
270.0	13.00	14.10	15.00	17.00	19.90	22.60	25.20	27.50	29.40
300.0	38.00	34.30	30.20	24.70	24.80	24.40	24.70	24.50	23.60
330.0	85.60	70.40	57.70	47.00	38.40	32.70	27.60	24.10	21.00
360.0	102.20	90.50	79.70	69.40	59.80	51.10	40.80	33.50	25.30

Equipment:
Temperature(°C): 24.9

Date: 2021/10/16
Humidity(%): 50.0%

Operator: CWQ
Distance(m): 10.00

Intensity data(cd)

Appendix Page: 11 Total:11

C/γ(°)	180.0
0.0	16.80
30.0	31.60
60.0	30.80
90.0	29.60
120.0	29.10
150.0	29.00
180.0	16.80
210.0	31.60
240.0	30.80
270.0	29.60
300.0	29.10
330.0	29.00
360.0	16.80

Equipment:
Temperature(°C): 24.9

Date: 2021/10/16
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