
Report No	:		Voltage	: 229.910 V
Test No	:	A2114526C001	Current	: 0.228 A
LumCAT	:		Power:	50.674 W
Luminaire	:	1500mm Batten, White, 220-240V, 52W, 6300lm, 121lm/w, 4000K	PF	: 0.966
LampCAT	:	-	Ballast type	:
Lamp flux	:	lm	Width	: 0 mm
Number of Lamps	:	1	Length	: 0 mm
Phm Type	:	C	Heigh	: 0 mm

Photometric Results

Lumens(lm)	:	6386.31	Central intensity(cd)	:	1627.900
Efficiency(%)	:	100.00%	Maximum intensity(cd)	:	1631.100
Luminous Efficacy(lm/W)	:	126.03	Angle of maximum intensity	:	C=150.0 γ =0.0
Beam Angle(50%Imax)	:	[C0/180]Total=137.6 [C90/270]Total=112.9			
Field angle(10%Imax)	:	[C0/180]Total=263.3 [C90/270]Total=159.9			
Maximum s/h(1/2)	:	C0_180=1.32 C90_270=1.27			
Maximum s/h(1/4)	:	C0_180=1.46 C90_270=1.39			
CIE Type	:	Semidirect lighting			
Output flux ratio in π solid angle	:	60.879%			

Equipment:
Temperature(°C): 24.6

Date: 2021/10/26
Humidity(%): 48.0%

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	1629.483	0.000	0	0.00%	0.00%
5.0	1623.433	38.888	38.888	0.61%	0.61%
10.0	1604.525	115.474	154.362	1.81%	2.42%
15.0	1573.967	188.546	342.908	2.95%	5.37%
20.0	1532.250	255.996	598.904	4.01%	9.38%
25.0	1478.392	315.761	914.665	4.94%	14.32%
30.0	1414.758	366.131	1280.795	5.73%	20.06%
35.0	1342.425	406.015	1686.81	6.36%	26.41%
40.0	1259.100	434.045	2120.854	6.80%	33.21%
45.0	1168.733	449.533	2570.387	7.04%	40.25%
50.0	1071.742	452.721	3023.108	7.09%	47.34%
55.0	966.608	443.205	3466.313	6.94%	54.28%
60.0	857.483	421.634	3887.947	6.60%	60.88%
65.0	746.467	389.923	4277.87	6.11%	66.99%
70.0	633.842	349.503	4627.373	5.47%	72.46%
75.0	524.392	302.744	4930.117	4.74%	77.20%
80.0	424.642	253.935	5184.052	3.98%	81.17%
85.0	337.500	207.092	5391.144	3.24%	84.42%
90.0	272.242	166.952	5558.096	2.61%	87.03%
95.0	230.383	137.623	5695.719	2.15%	89.19%
100.0	197.067	116.148	5811.867	1.82%	91.01%
105.0	171.833	98.707	5910.574	1.55%	92.55%
110.0	152.150	84.684	5995.258	1.33%	93.88%
115.0	136.367	73.054	6068.313	1.14%	95.02%
120.0	122.267	62.874	6131.187	0.98%	96.01%
125.0	110.008	53.690	6184.877	0.84%	96.85%
130.0	98.925	45.429	6230.306	0.71%	97.56%
135.0	88.367	37.845	6268.151	0.59%	98.15%
140.0	78.517	30.900	6299.05	0.48%	98.63%
145.0	69.467	24.690	6323.74	0.39%	99.02%
150.0	61.608	19.302	6343.042	0.30%	99.32%
155.0	55.625	14.836	6357.878	0.23%	99.55%
160.0	49.967	11.075	6368.953	0.17%	99.73%
165.0	46.700	7.967	6376.919	0.12%	99.85%
170.0	43.375	5.343	6382.263	0.08%	99.94%
175.0	42.692	3.079	6385.341	0.05%	99.98%
180.0	37.917	0.964	6386.305	0.02%	100.00%

Equipment:
Temperature($^{\circ}\text{C}$): 24.6

Date: 2021/10/26
Humidity(%): 48.0%

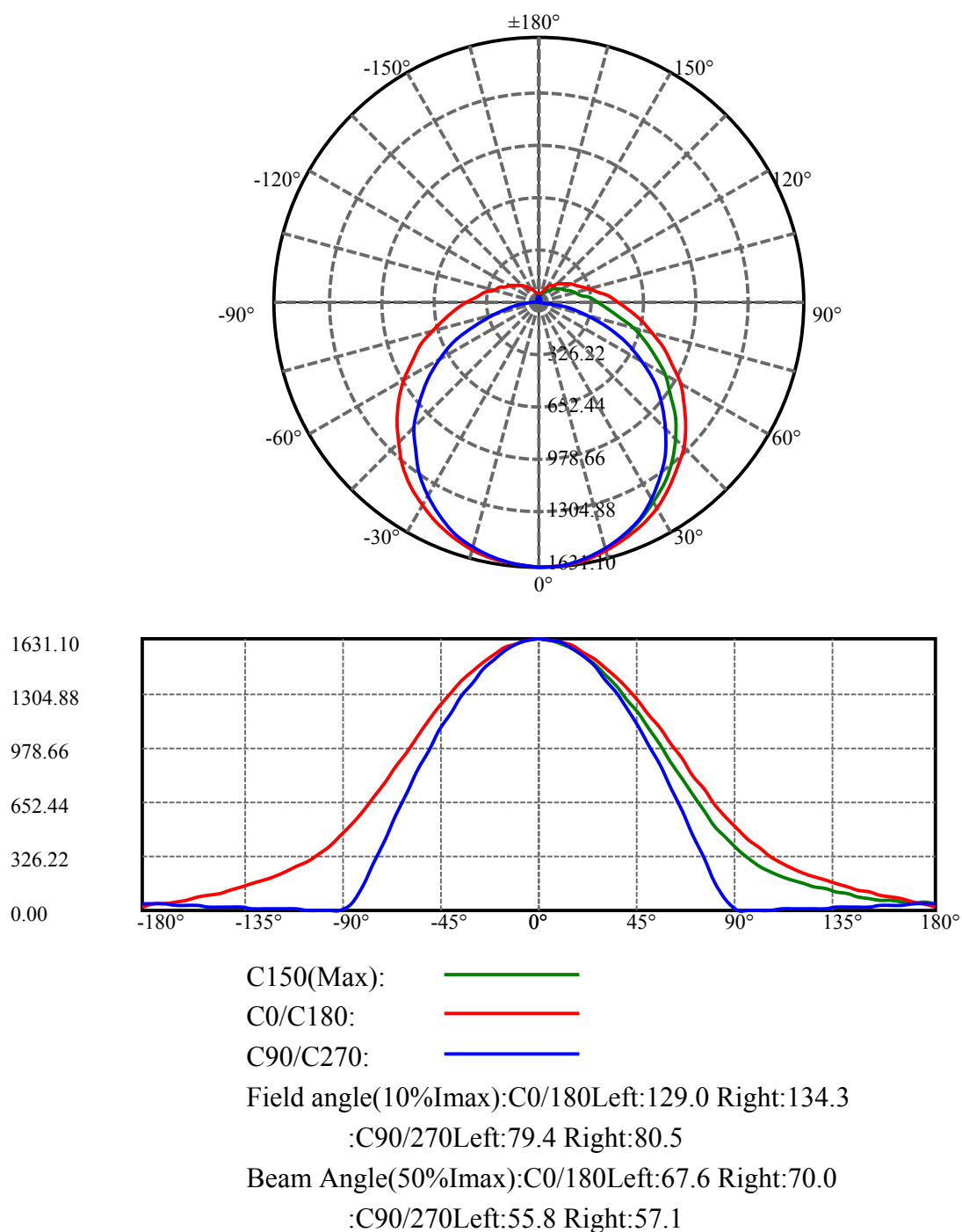
Operator: CWQ
Distance(m): 10.00

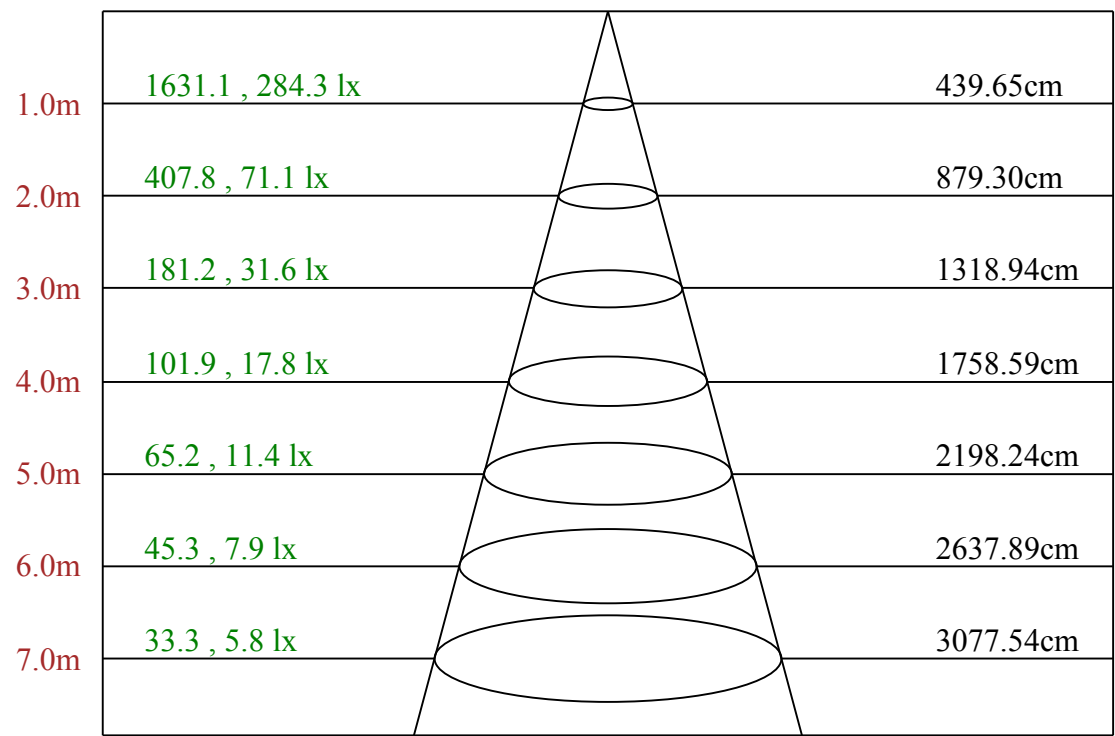
ZONAL LUMEN SUMMARY

Zone	Lumens	%Fixt
0-30	1280.80	20.06%
0-40	2120.85	33.21%
0-60	3887.95	60.88%
0-90	5558.10	87.03%
0-120	6131.19	96.01%
0-180	6386.31	100.00%
60-90	1670.15	26.15%
90-120	573.09	8.97%
90-130	672.21	10.53%
90-150	784.95	12.29%
90-180	827.25	12.95%
0-78.52	5109.04	80.00%

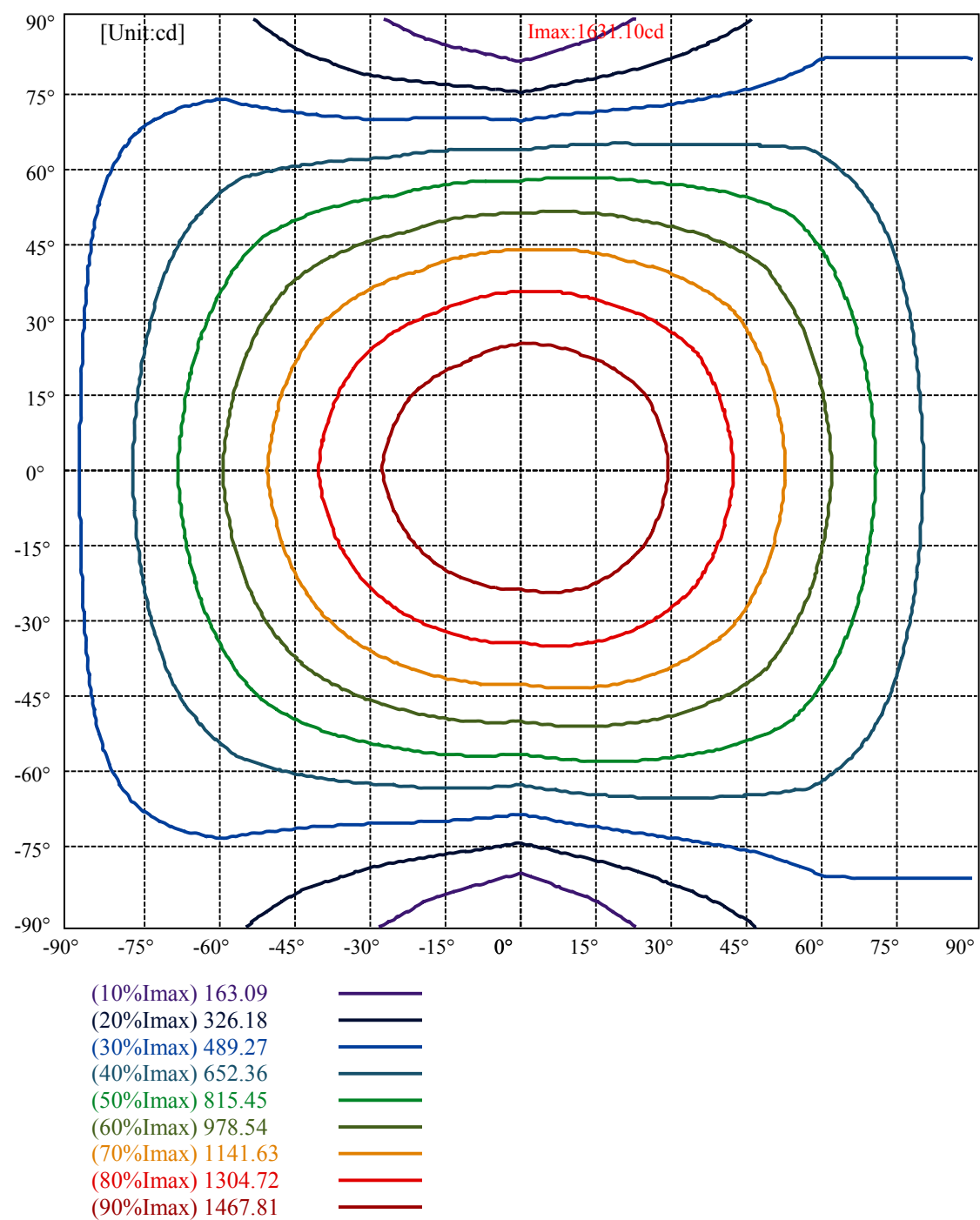
ZONAL LUMEN SUMMARY

0-10	154.36
10-20	444.54
20-30	681.89
30-40	840.06
40-50	902.25
50-60	864.84
60-70	739.43
70-80	556.68
80-90	374.04
90-100	253.77
100-110	183.39
110-120	135.93
120-130	99.12
130-140	68.74
140-150	43.99
150-160	25.91
160-170	13.31
170-180	3.08





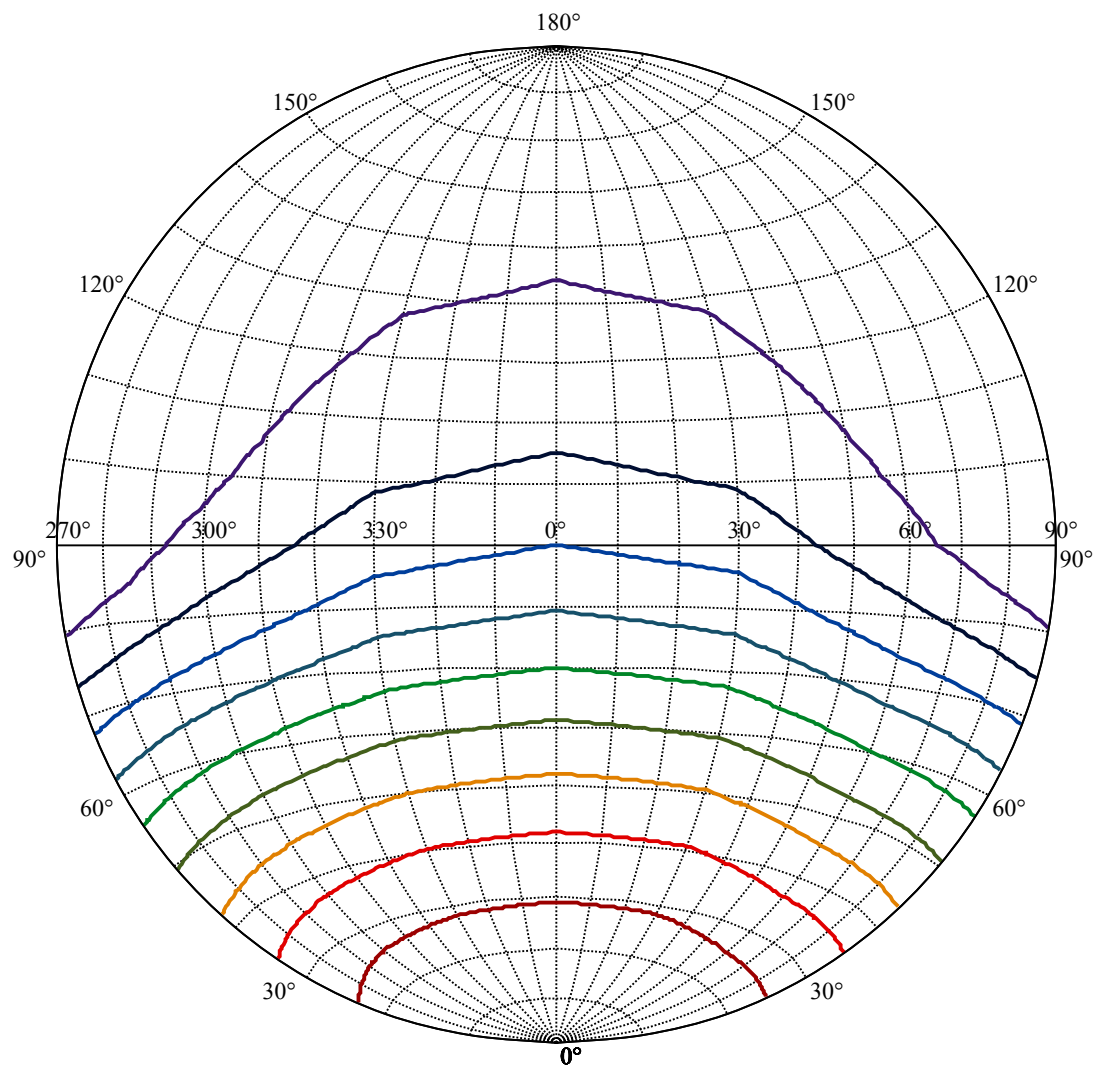
Max , Ave Beam angle of C150 plane 131.08



Equipment:
Temperature(°C): 24.6

Date: 2021/10/26
Humidity(%): 48.0%

Operator: CWQ
Distance(m): 10.00



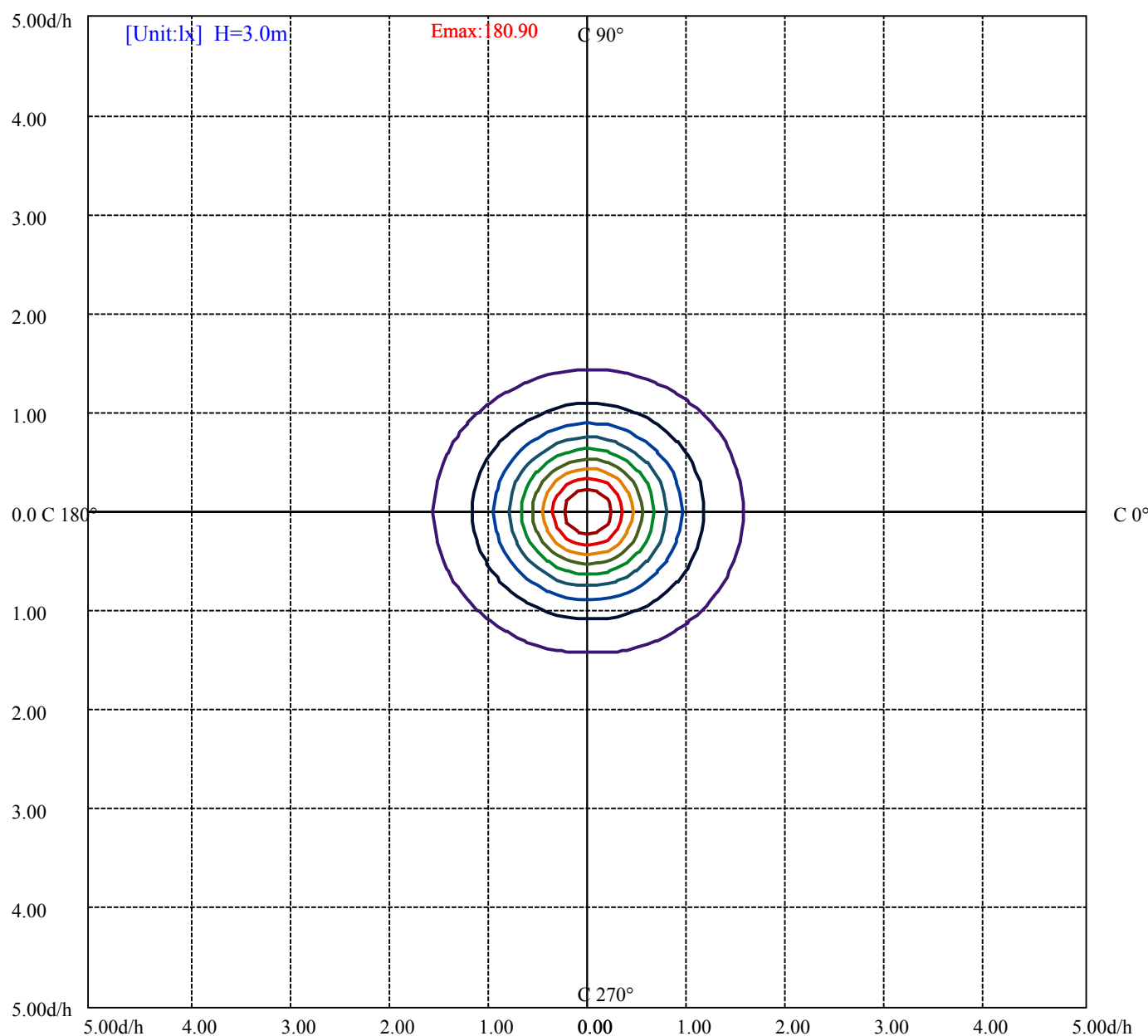
House

[Unit:cd]

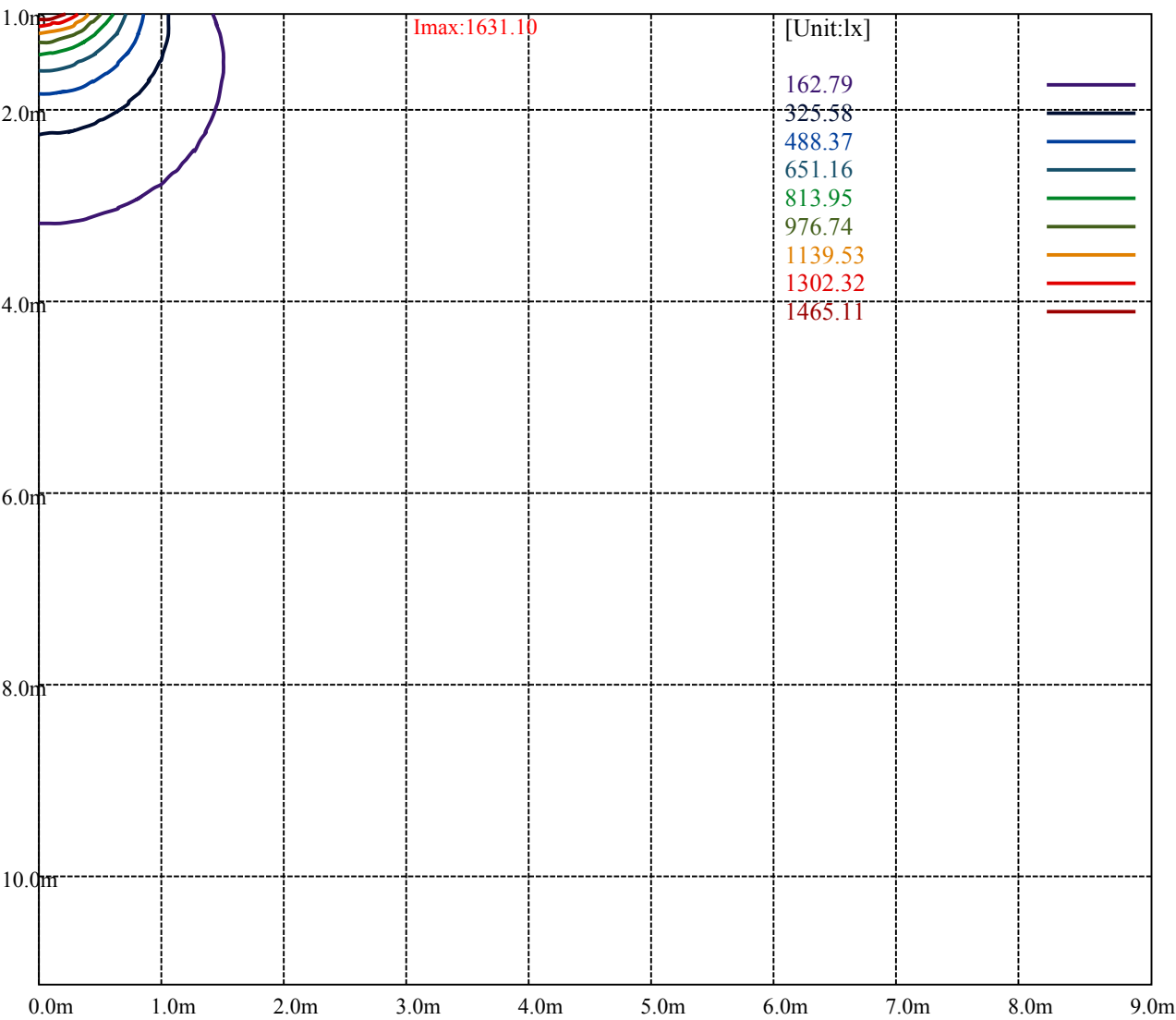
Road

- I_{max}:1631.10**
- (10%I_{max}) 163.11
 - (20%I_{max}) 326.22
 - (30%I_{max}) 489.33
 - (40%I_{max}) 652.44
 - (50%I_{max}) 815.55
 - (60%I_{max}) 978.66
 - (70%I_{max}) 1141.77
 - (80%I_{max}) 1304.88
 - (90%I_{max}) 1467.99





(10%Emax)	18.09	
(20%Emax)	36.18	
(30%Emax)	54.27	
(40%Emax)	72.36	
(50%Emax)	90.45	
(60%Emax)	108.54	
(70%Emax)	126.63	
(80%Emax)	144.72	
(90%Emax)	162.81	



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	1627.90	1624.50	1610.30	1586.20	1552.80	1508.60	1458.90	1401.20	1332.90
30.0	1627.00	1625.00	1611.90	1586.60	1551.20	1506.30	1449.90	1388.30	1318.30
60.0	1629.20	1625.40	1607.00	1576.60	1533.80	1477.10	1410.60	1334.10	1244.90
90.0	1630.90	1625.20	1606.20	1572.00	1525.40	1466.20	1391.40	1308.10	1214.50
120.0	1630.80	1621.80	1598.50	1562.80	1514.80	1452.90	1381.80	1300.60	1206.50
150.0	1631.10	1623.10	1602.30	1572.20	1531.70	1478.80	1419.10	1350.30	1270.00
180.0	1627.90	1621.50	1603.60	1576.30	1539.60	1492.60	1438.70	1376.50	1302.80
210.0	1627.00	1618.20	1597.30	1565.80	1524.10	1471.00	1410.50	1341.30	1260.70
240.0	1629.20	1620.00	1597.50	1562.30	1515.20	1455.40	1383.00	1302.20	1208.90
270.0	1630.90	1621.50	1597.70	1560.90	1511.00	1446.20	1371.20	1285.70	1186.00
300.0	1630.80	1627.50	1610.20	1579.50	1537.10	1483.20	1415.00	1339.00	1253.20
330.0	1631.10	1627.50	1611.80	1586.40	1550.30	1502.40	1447.00	1381.80	1310.50
360.0	1627.90	1624.50	1610.30	1586.20	1552.80	1508.60	1458.90	1401.20	1332.90

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	1259.70	1179.70	1090.90	1001.80	909.50	814.30	725.30	640.50	559.30
30.0	1237.50	1152.20	1061.50	962.80	864.90	767.00	668.30	579.40	498.30
60.0	1149.80	1048.70	936.60	823.10	706.40	584.70	471.50	368.10	278.00
90.0	1106.50	993.10	870.90	735.80	598.90	457.10	309.60	174.40	61.40
120.0	1107.40	1000.70	884.00	766.50	647.00	524.10	411.80	312.10	228.40
150.0	1185.40	1094.40	994.30	895.00	794.50	695.90	598.30	511.50	431.60
180.0	1224.70	1140.20	1047.60	955.10	861.90	769.30	677.10	593.80	514.50
210.0	1175.80	1084.80	985.20	886.10	785.90	684.70	591.70	505.90	427.50
240.0	1111.20	1005.50	894.10	773.60	654.60	536.70	420.40	320.00	237.90
270.0	1079.90	964.60	836.50	705.30	567.80	421.10	280.30	148.10	40.30
300.0	1155.20	1054.30	946.50	829.30	712.60	595.50	477.40	372.80	284.10
330.0	1231.70	1142.70	1051.20	955.40	853.60	755.70	661.00	569.10	488.70
360.0	1259.70	1179.70	1090.90	1001.80	909.50	814.30	725.30	640.50	559.30

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	489.20	427.40	372.40	327.00	288.50	254.80	226.80	202.30	179.60
30.0	424.40	364.20	314.30	272.50	239.70	213.20	190.20	171.10	154.20
60.0	197.90	166.40	137.60	119.00	107.60	99.40	91.20	79.40	69.90
90.0	1.50	1.20	2.90	4.80	6.90	9.00	10.90	12.80	14.60
120.0	169.50	131.70	107.90	93.50	83.70	76.20	68.90	63.50	58.60
150.0	365.90	311.40	265.80	230.80	202.90	179.10	159.60	142.60	126.80
180.0	447.10	388.50	338.20	294.30	259.10	228.50	199.20	179.10	158.80
210.0	362.90	309.10	264.50	230.00	199.00	178.30	159.00	142.10	126.50
240.0	175.70	136.40	111.30	96.60	86.30	78.80	71.60	65.60	60.70
270.0	0.30	1.30	2.90	4.70	6.80	8.60	10.50	12.40	14.20
300.0	213.90	167.70	138.10	119.30	107.80	99.90	91.20	79.80	70.90
330.0	418.60	359.30	308.90	269.50	237.50	210.60	188.10	169.40	152.30
360.0	489.20	427.40	372.40	327.00	288.50	254.80	226.80	202.30	179.60

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	159.90	141.90	124.60	109.00	94.50	79.70	66.30	52.70	40.80
30.0	135.10	112.00	93.10	76.50	66.80	58.90	50.50	40.30	36.50
60.0	64.50	62.10	55.40	50.30	46.50	42.00	40.70	40.30	39.50
90.0	16.30	17.80	20.30	23.90	27.20	30.30	33.30	36.00	38.40
120.0	54.20	50.70	47.70	44.30	42.30	40.60	48.10	51.10	48.20
150.0	111.70	97.90	86.10	75.00	64.70	55.90	47.60	43.50	52.90
180.0	139.60	120.80	104.80	90.10	76.70	64.30	53.10	44.40	42.20
210.0	111.10	97.70	85.70	74.40	64.40	55.10	48.10	43.30	53.00
240.0	55.60	51.90	48.50	45.00	43.10	39.70	47.20	50.90	49.00
270.0	15.70	17.00	20.30	23.80	27.10	30.30	33.20	35.90	38.10
300.0	66.00	63.50	57.10	51.80	47.00	43.50	41.70	40.10	38.40
330.0	130.70	108.90	90.00	75.20	67.20	59.30	50.60	42.00	35.30
360.0	159.90	141.90	124.60	109.00	94.50	79.70	66.30	52.70	40.80

Equipment:
Temperature(°C): 24.6

Date: 2021/10/26
Humidity(%): 48.0%

Operator: CWQ
Distance(m): 10.00

Intensity data(cd)

Appendix Page: 11 Total:11

C/γ(°)	180.0
0.0	24.60
30.0	42.60
60.0	40.80
90.0	39.60
120.0	39.20
150.0	40.70
180.0	24.60
210.0	42.60
240.0	40.80
270.0	39.60
300.0	39.20
330.0	40.70
360.0	24.60

Equipment:
Temperature(°C): 24.6

Date: 2021/10/26
Humidity(%): 48.0%

Operator: CWQ
Distance(m): 10.00