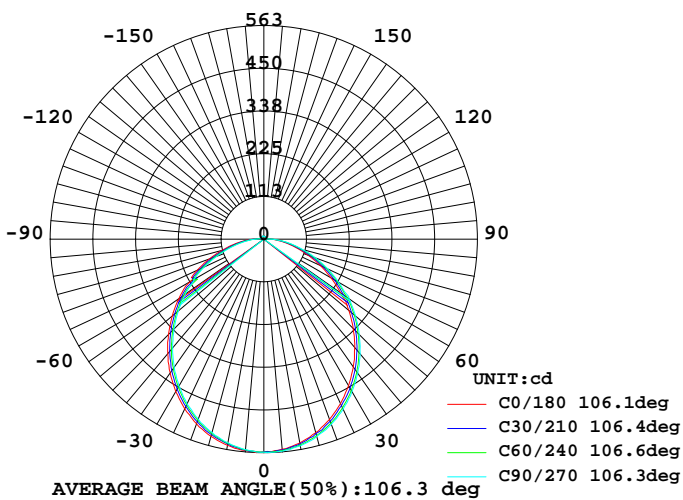


### STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra Smart		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3974	DIMENSION:	SERIAL No.:

MODEL:		Imax(cd):	562.7	Effective Flux(lm):	1577.0
NOMINAL POWER(W):	16	MAXIMUM(C, γ):	285, 2.0	EEL	0.132
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.5
NOMINAL FLUX(lm):	1577.0	η street_up(%):	1.6	Current(A)	0.071
TEST FLUX(lm):	1577.0	η street_down(%):	46.8	Power(W)	15.33
LAMPS QUANTITY:	1	η house_up(%):	1.8	Power Factor	0.966
TOTAL RADIANT(mw):	1577.0	η house_down(%):	49.9	EFFICIENCY(lm/W)	102.9



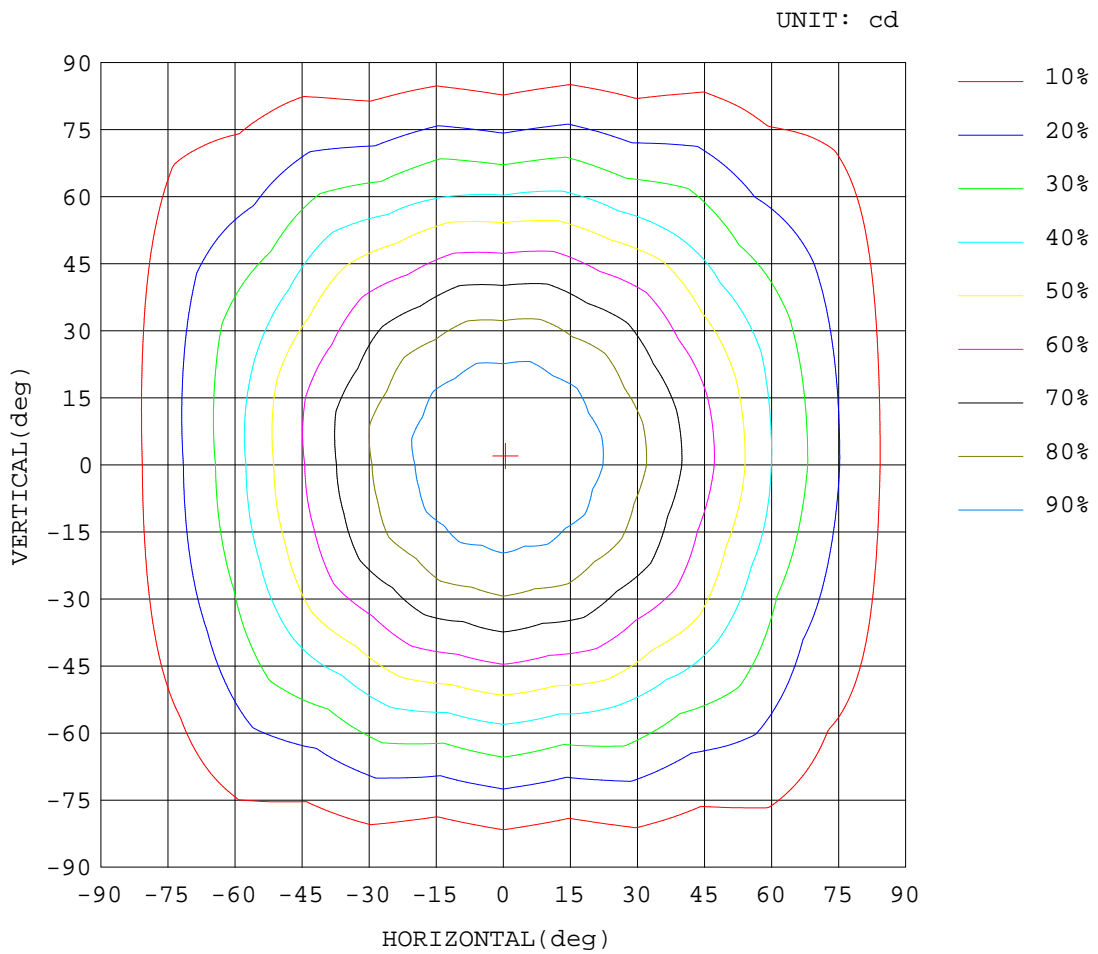
Temperature:25.3'C  
 Operators:  
 Test Date:02-12-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
 Test Distance:10.000 m  
 Remarks: 88Ra. 0.2%Flickering. Temp 46.6 C

### ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra Smart		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3974	DIMENSION:	SERIAL No.:



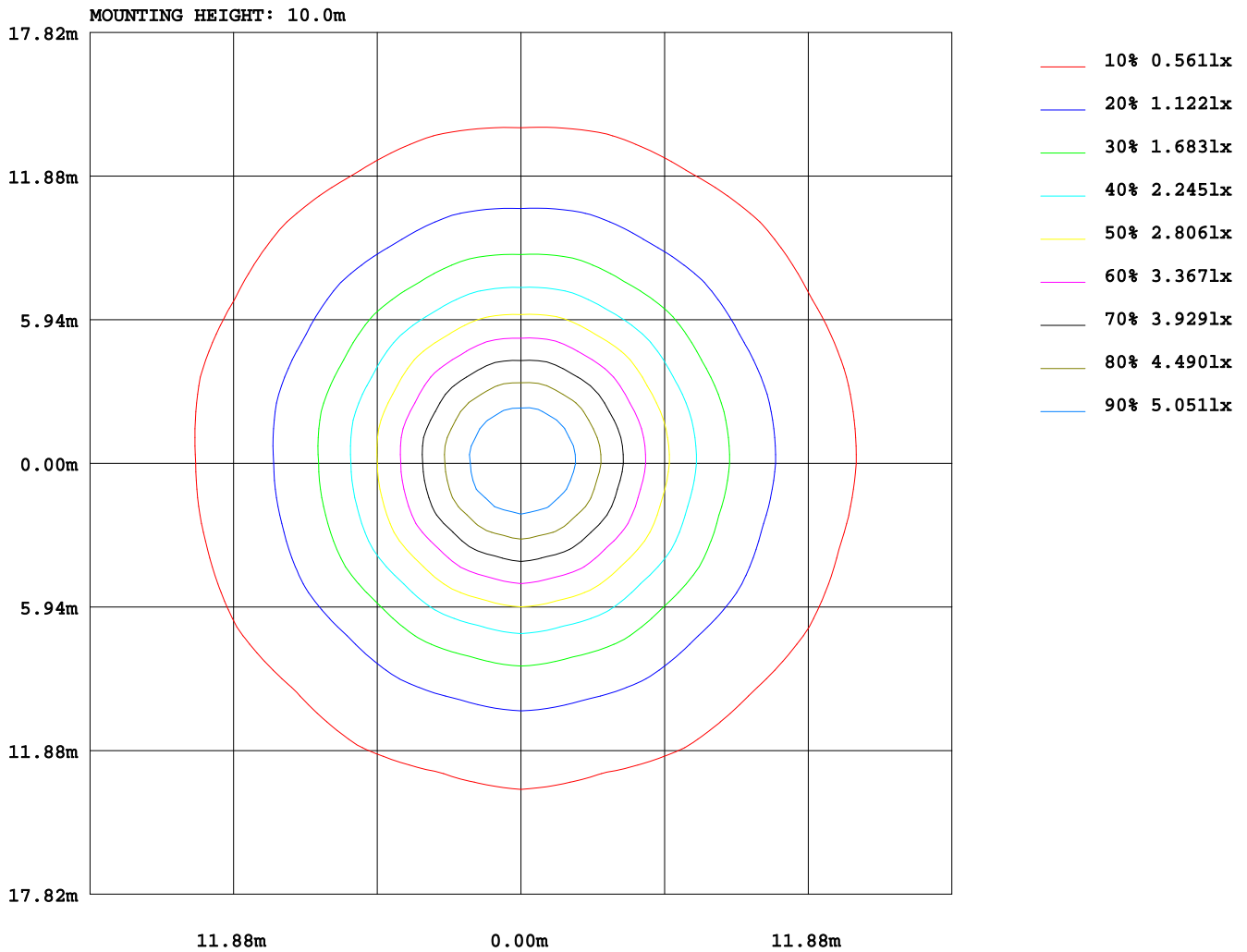
Temperature: 25.3 °C  
 Operators:  
 Test Date: 02-12-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 88Ra. 0.2% Flickering. Temp 46.6 °C

## ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra Smart		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3974	DIMENSION:	SERIAL No.:



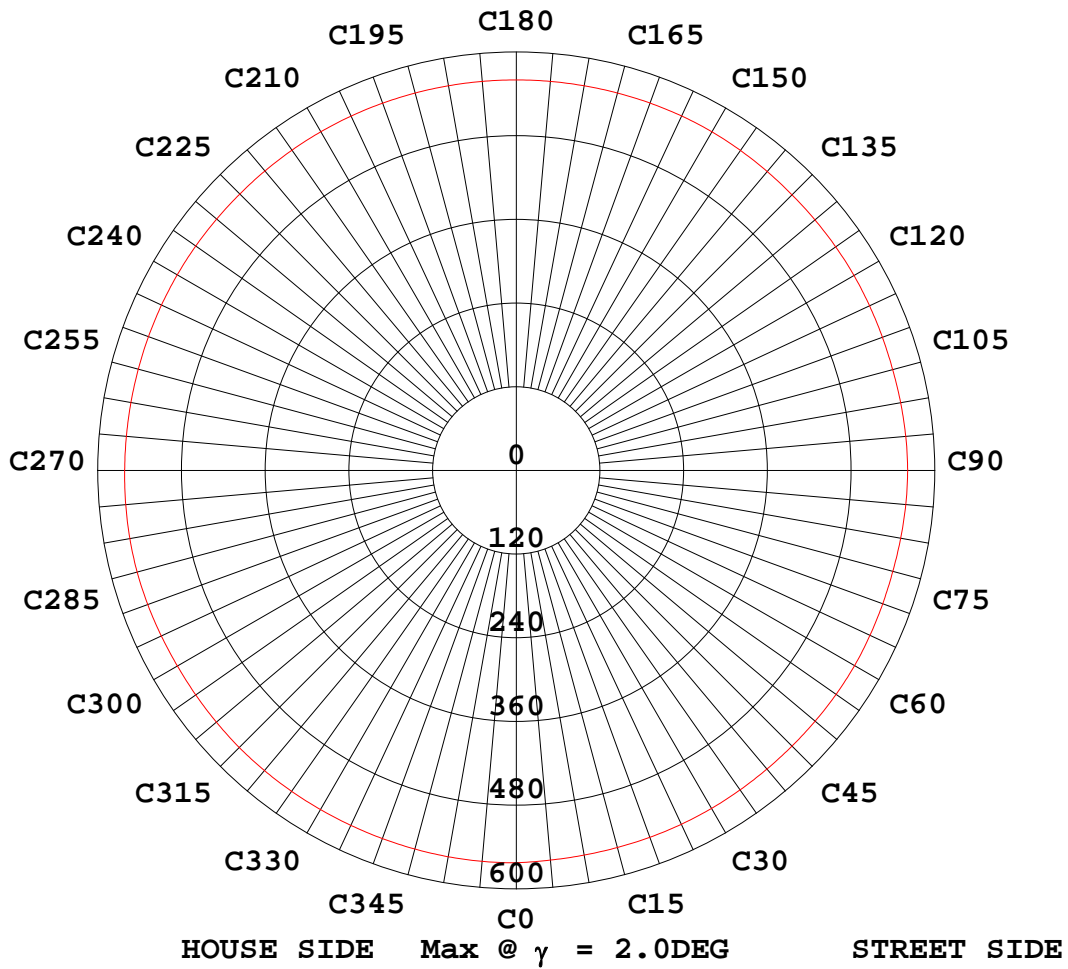
Temperature: 25.3 °C  
 Operators:  
 Test Date: 02-12-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 88Ra. 0.2% Flickering. Temp 46.6 °C

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra Smart		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3974	DIMENSION:	SERIAL No.:



Temperature: 25.3 °C  
 Operators:  
 Test Date: 02-12-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 88Ra. 0.2% Flickering. Temp 46.6 C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: Public 15W 4000K 82Ra Smart</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3974</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C(deg) \ γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	560	562	560	561	561	561	561	561	561	561	562	561	560	562	560
5.0	559	557	557	556	557	555	557	555	556	555	556	556	555	558	557
10.0	551	547	548	545	546	542	545	542	544	542	547	545	545	548	547
15.0	538	531	533	527	530	524	527	522	529	524	530	527	528	534	530
20.0	518	510	512	505	508	500	505	499	505	501	507	503	505	513	510
25.0	493	483	486	477	481	472	479	471	477	472	480	476	478	487	484
30.0	464	453	457	446	450	441	447	439	446	441	450	445	446	457	454
35.0	430	419	422	410	416	405	411	403	411	404	415	409	411	423	419
40.0	393	380	386	372	379	366	373	364	374	365	377	371	372	386	382
45.0	355	341	347	333	339	327	335	324	335	327	339	331	333	349	342
50.0	315	300	307	292	298	285	294	283	294	285	298	290	292	308	302
55.0	273	254	265	245	257	239	252	236	251	239	257	244	247	266	256
60.0	225	213	204	205	216	197	213	195	213	197	216	203	204	200	214
65.0	194	171	185	162	177	156	172	153	172	155	176	161	164	187	173
70.0	153	130	145	122	137	116	132	114	133	116	137	122	124	146	133
75.0	114	94.3	107	87.5	100	81.9	95.3	80.0	95.8	82.2	99.8	87.0	88.8	109	96.3
80.0	80.5	63.3	74.0	57.9	68.6	53.3	64.7	51.7	65.4	53.7	68.6	57.7	60.2	76.7	66.2
85.0	52.7	37.7	47.5	34.0	43.7	30.7	40.4	29.4	41.1	31.0	43.5	33.8	35.9	49.7	40.5
90.0	27.0	16.1	26.9	17.5	24.5	14.9	22.5	14.0	22.9	15.9	24.4	15.0	15.6	27.9	21.5
95.0	12.6	8.40	15.9	8.60	13.7	6.70	10.9	6.80	13.2	7.60	14.4	7.10	6.80	14.7	11.1
100.0	9.90	6.00	10.3	5.40	9.50	5.10	9.00	5.20	9.40	5.50	9.70	5.40	6.10	10.5	6.60
105.0	8.80	6.00	9.09	5.60	8.80	5.40	8.60	5.50	8.80	5.60	9.09	6.00	6.10	9.70	6.40
110.0	8.70	6.00	8.90	5.70	8.60	5.60	8.50	5.60	8.60	5.80	8.90	5.90	6.40	9.40	6.50
115.0	8.70	5.90	8.70	6.00	8.50	5.50	8.60	5.70	8.50	5.90	8.70	5.50	5.90	8.90	6.60
120.0	8.90	5.90	8.50	6.20	8.40	5.70	8.80	5.80	8.40	6.30	8.50	5.80	7.00	8.60	6.80
125.0	8.90	6.10	8.50	6.60	8.29	6.20	8.80	6.10	8.40	6.60	8.40	6.30	7.20	8.60	6.90
130.0	8.90	6.60	8.29	6.30	8.20	6.50	8.90	6.50	8.29	6.30	8.20	6.60	7.20	8.70	6.90
135.0	8.50	6.80	8.10	6.30	7.90	6.70	8.80	6.70	7.90	6.30	8.00	6.60	7.60	8.60	6.70
140.0	8.50	6.90	7.80	6.40	7.70	6.80	8.60	6.80	7.70	6.40	7.60	6.90	7.70	8.40	6.60
145.0	8.70	7.00	7.90	6.40	8.00	7.00	8.80	7.00	7.90	6.40	7.90	6.90	7.60	8.29	6.90
150.0	8.70	7.20	7.90	6.60	8.00	7.20	8.80	7.10	7.90	6.60	8.00	7.20	7.70	8.29	6.90
155.0	8.60	7.30	7.90	6.80	8.10	7.30	8.70	7.20	7.90	6.80	8.10	7.30	7.80	8.29	7.10
160.0	8.40	7.30	8.00	7.10	8.00	7.40	8.50	7.20	8.00	7.10	8.10	7.30	7.80	8.20	7.10
165.0	8.29	7.30	8.00	7.20	8.10	7.60	8.40	7.20	8.00	7.20	8.10	7.40	7.90	8.20	7.30
170.0	8.29	7.30	7.90	7.30	8.10	7.60	8.29	7.20	7.80	7.30	8.00	7.50	7.90	8.20	7.40
175.0	8.29	7.50	8.00	7.40	8.10	7.60	8.20	7.30	7.70	7.20	8.10	7.50	8.10	8.29	7.60
180.0	8.60	8.10	8.29	7.90	8.29	7.90	8.50	7.90	8.20	7.70	8.20	8.00	8.70	8.50	7.90

Temperature: 25.3 °C  
 Operators:  
 Test Date: 02-12-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 88Ra. 0.2% Flickering. Temp 46.6 C

### LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER:</b>			
<b>Address:</b>			
<b>NAME: Public 15W 4000K 82Ra Smart</b>		<b>TYPE:</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>CCT(K): 3974</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	561	561	561	561	561	561	561	562	561
5.0	559	559	560	561	560	560	561	560	561
10.0	552	551	554	553	554	553	555	552	553
15.0	538	536	542	538	543	538	542	536	540
20.0	519	516	523	519	524	521	524	517	520
25.0	494	490	497	494	501	494	500	492	495
30.0	465	460	470	464	472	465	471	461	466
35.0	431	427	438	432	441	433	439	429	433
40.0	395	390	401	395	404	395	403	392	396
45.0	358	351	364	356	367	357	366	352	358
50.0	317	311	324	316	327	317	325	312	318
55.0	276	270	283	274	285	275	284	271	276
60.0	235	223	242	227	245	228	243	224	236
65.0	196	182	203	186	206	187	204	183	197
70.0	155	141	161	145	164	146	162	142	156
75.0	117	103	123	106	125	107	124	104	118
80.0	83.0	70.5	86.5	72.6	89.0	74.1	88.4	72.0	83.5
85.0	54.0	43.0	55.8	43.5	57.5	45.5	58.0	44.6	54.5
90.0	32.1	23.0	30.0	19.1	30.5	23.4	34.2	23.6	29.1
95.0	18.1	12.0	16.5	7.90	15.2	12.3	19.7	12.3	15.7
100.0	10.7	6.80	11.2	5.90	10.5	6.60	10.9	6.40	10.7
105.0	9.80	6.20	9.70	5.80	9.40	5.70	9.20	5.80	9.40
110.0	9.40	6.30	9.20	6.20	8.90	5.90	8.90	5.90	9.00
115.0	9.20	6.50	8.70	6.60	8.29	6.00	8.70	6.10	8.60
120.0	9.09	6.60	8.40	7.00	8.00	6.20	8.60	6.30	8.20
125.0	9.09	6.70	8.29	7.20	8.20	6.30	8.70	6.50	8.20
130.0	9.00	6.80	8.60	7.40	8.40	6.40	8.40	6.60	8.40
135.0	8.40	6.70	8.60	7.50	8.40	6.30	8.10	6.40	8.29
140.0	8.20	6.60	8.50	7.60	8.29	6.60	7.90	6.40	8.20
145.0	8.00	6.80	8.20	7.30	8.29	6.70	7.80	6.60	8.20
150.0	7.90	6.90	8.40	7.80	8.50	7.00	7.80	6.70	8.20
155.0	8.00	7.00	8.40	7.80	8.60	7.10	7.90	6.90	8.20
160.0	8.00	7.10	8.29	7.80	8.50	7.20	8.10	7.10	8.10
165.0	8.10	7.30	8.20	7.70	8.50	7.40	8.00	7.20	8.00
170.0	8.10	7.30	8.10	7.70	8.40	7.40	8.00	7.20	8.00
175.0	8.10	7.50	8.10	7.70	8.29	7.50	8.00	7.40	8.10
180.0	8.29	7.90	8.40	8.10	8.40	7.80	8.20	7.80	8.40

Temperature: 25.3 °C  
 Operators:  
 Test Date: 02-12-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks: 88Ra. 0.2% Flickering. Temp 46.6 °C