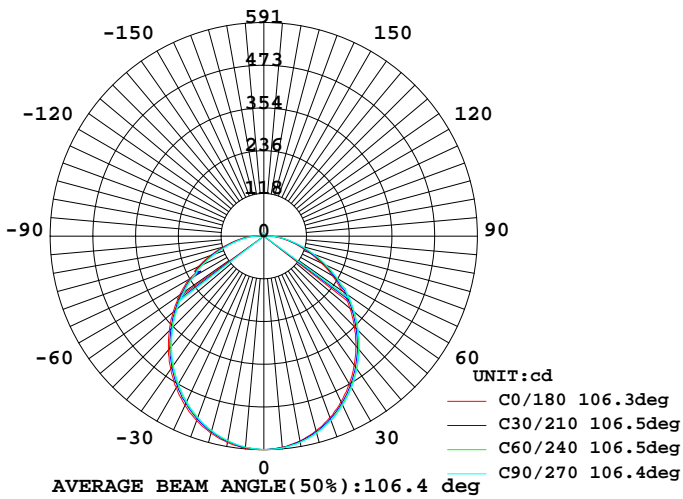


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3976	DIMENSION:	SERIAL No.:

MODEL:		Imax(cd):	591.0	Effective Flux(lm):	1658.4
NOMINAL POWER(W):	16	MAXIMUM(C, γ):	300, 1.0	EET	0.138
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	1658.4	η street_up(%):	1.6	Current(A)	0.080
TEST FLUX(lm):	1658.4	η street_down(%):	47.1	Power(W)	16.74
LAMPS QUANTITY:	1	η house_up(%)	1.8	Power Factor	0.944
TOTAL RADIANT(mw):	1658.4	η house_down(%)	49.4	EFFICIENCY(lm/W)	99.1



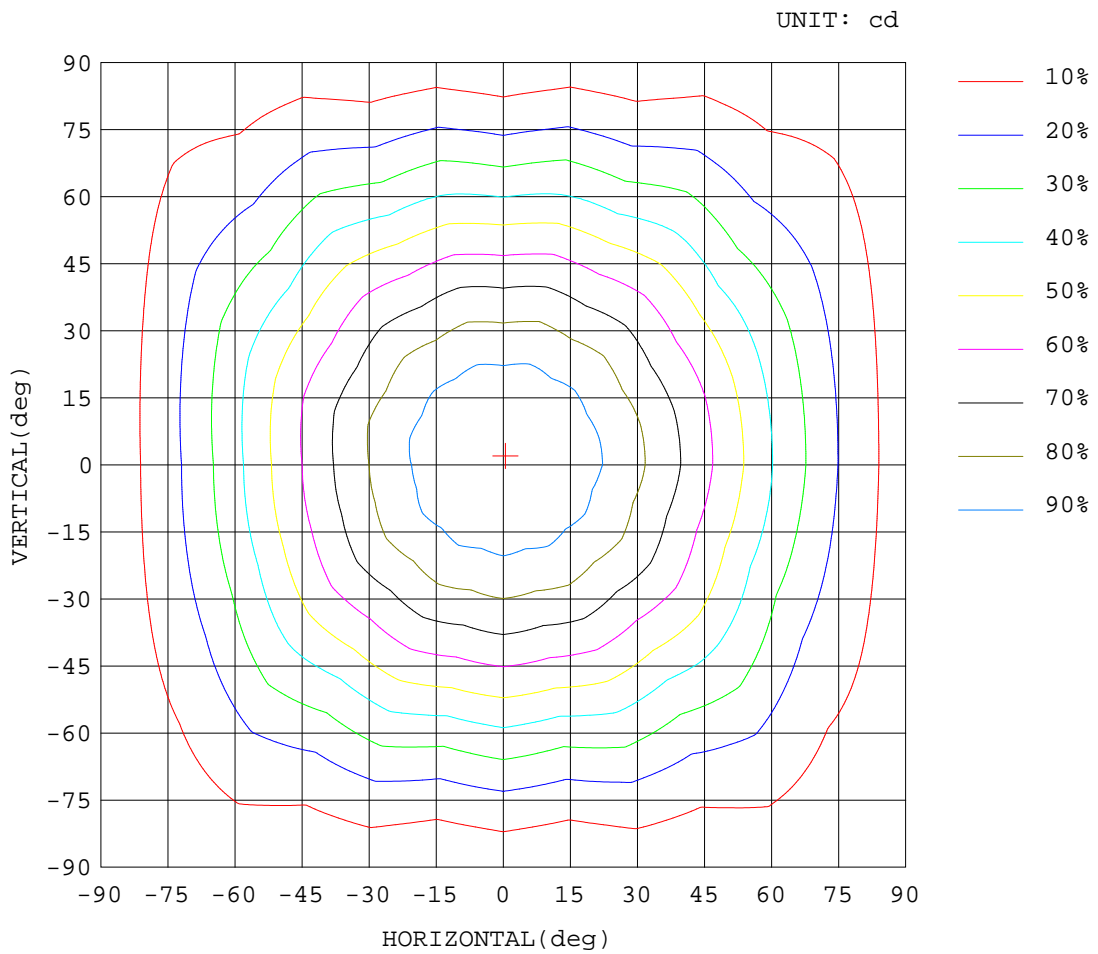
Temperature:25.3'C
 Operators:
 Test Date:02-12-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 88Ra. 0.3%Flickering. Temp 48.7 C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3976	DIMENSION:	SERIAL No.:



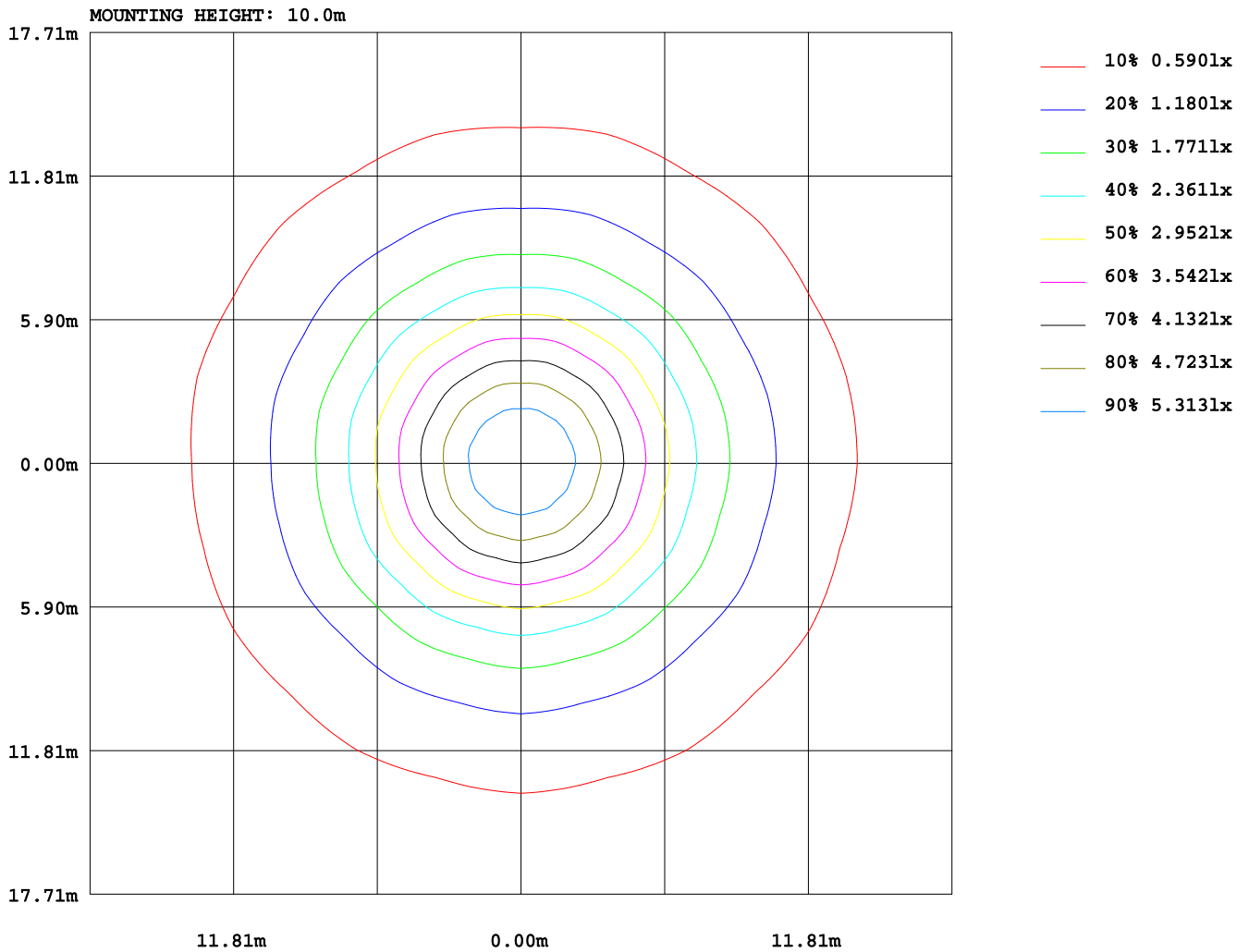
Temperature: 25.3 °C
 Operators:
 Test Date: 02-12-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 88Ra. 0.3% Flickering. Temp 48.7 °C

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3976	DIMENSION:	SERIAL No.:



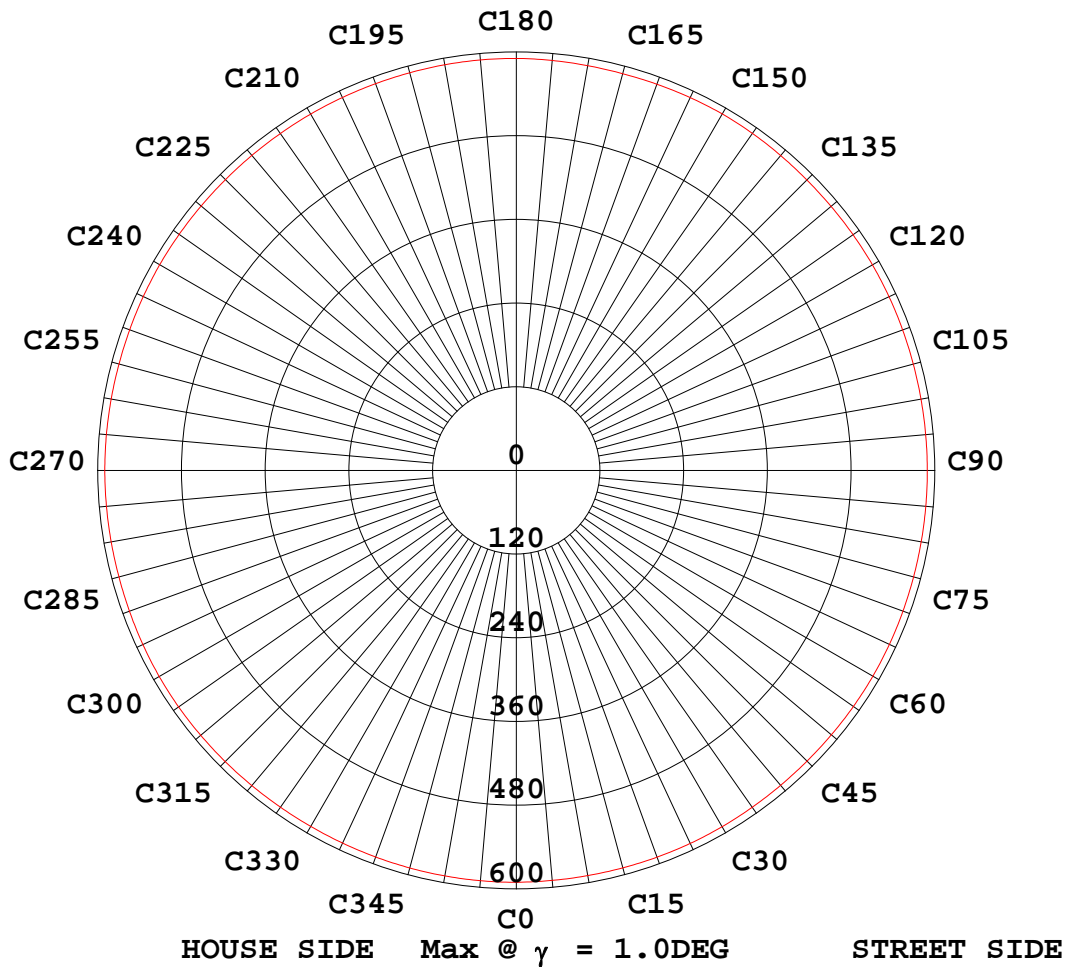
Temperature: 25.3 'C
 Operators:
 Test Date: 02-12-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 88Ra. 0.3% Flickering. Temp 48.7 C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3976	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. 0.3% Flickering. Temp 48.7 °C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3976	DIMENSION:	SERIAL No.:

UNIT: cd

γ (deg)	C(deg)														
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	590	590	590	590	590	590	591	590	590	590	591	591	590	590	590
5.0	588	586	587	585	586	584	586	583	586	585	586	585	586	587	587
10.0	580	576	576	574	575	572	575	572	575	572	575	574	575	578	577
15.0	565	558	561	555	558	553	557	552	557	554	558	556	557	563	560
20.0	543	534	539	531	536	528	534	527	534	530	537	532	534	541	538
25.0	516	507	511	502	507	500	505	498	506	501	509	504	505	514	510
30.0	484	474	479	469	475	465	472	465	473	467	476	471	473	482	478
35.0	449	437	444	432	440	428	436	427	437	429	441	434	436	446	442
40.0	411	398	405	393	400	389	397	388	398	390	402	395	396	409	402
45.0	369	356	363	351	358	347	356	345	357	348	361	353	354	367	361
50.0	328	313	322	307	317	303	314	302	315	304	319	310	311	325	318
55.0	284	271	278	271	273	256	269	255	271	270	275	270	270	283	276
60.0	240	221	221	215	225	211	225	210	225	213	224	217	220	238	227
65.0	201	177	194	171	189	167	186	166	187	169	191	174	176	199	183
70.0	157	136	151	130	146	126	143	125	144	128	148	132	134	156	141
75.0	117	97.2	111	92.2	107	88.5	103	87.5	105	90.2	109	94.5	96.5	116	103
80.0	82.9	65.2	77.7	61.0	73.9	57.7	71.0	57.0	72.2	59.2	75.7	62.9	65.0	82.3	69.7
85.0	53.2	39.0	49.2	36.0	46.2	33.5	43.9	33.0	45.0	34.7	47.4	37.4	39.2	53.2	43.0
90.0	27.1	16.9	27.7	18.7	25.7	15.7	24.0	15.6	25.2	17.9	26.4	16.0	17.1	29.0	23.1
95.0	13.0	8.70	16.9	9.30	15.0	7.30	11.9	7.60	14.8	8.80	15.9	7.70	7.70	16.0	12.1
100.0	10.5	6.40	10.9	5.90	10.1	5.60	9.70	5.70	10.1	5.70	10.4	5.80	6.70	11.4	7.30
105.0	9.40	6.60	9.80	6.10	9.40	5.90	9.20	6.00	9.30	5.90	9.50	6.30	6.70	10.4	7.00
110.0	9.20	6.60	9.50	6.20	9.09	6.00	9.09	6.10	9.09	6.10	9.20	6.10	7.10	10.0	7.10
115.0	9.40	6.40	9.30	6.40	9.00	5.90	9.30	6.10	9.00	6.20	9.00	5.90	7.40	9.40	7.20
120.0	9.50	6.40	9.09	6.70	8.90	6.10	9.40	6.20	8.80	6.60	8.90	6.00	7.50	9.20	7.30
125.0	9.50	6.60	9.00	7.10	8.80	6.60	9.40	6.50	8.80	6.90	8.70	6.50	7.90	9.09	7.40
130.0	9.60	7.10	8.80	6.80	8.70	7.00	9.60	7.00	8.70	6.60	8.60	6.90	8.20	9.20	7.40
135.0	9.09	7.30	8.50	6.80	8.40	7.20	9.40	7.20	8.29	6.60	8.29	7.10	8.29	9.09	7.20
140.0	9.00	7.40	8.20	6.80	8.20	7.30	9.30	7.30	8.10	6.70	8.10	7.20	8.29	8.90	7.10
145.0	9.30	7.50	8.40	6.80	8.40	7.50	9.40	7.40	8.29	6.70	8.40	7.30	8.20	8.90	7.30
150.0	9.30	7.70	8.40	6.90	8.40	7.60	9.40	7.60	8.40	7.00	8.40	7.50	8.10	8.80	7.40
155.0	9.09	7.70	8.40	7.20	8.50	7.80	9.20	7.70	8.40	7.20	8.40	7.70	8.29	8.80	7.50
160.0	9.00	7.80	8.40	7.50	8.40	7.80	9.09	7.70	8.40	7.50	8.50	7.70	8.29	8.70	7.60
165.0	8.80	7.70	8.50	7.60	8.50	8.00	8.90	7.70	8.50	7.60	8.60	7.80	8.40	8.80	7.80
170.0	8.80	7.80	8.29	7.70	8.50	8.00	8.70	7.60	8.29	7.70	8.40	7.90	8.50	8.70	7.90
175.0	8.90	8.00	8.40	7.80	8.60	8.00	8.70	7.70	8.20	7.70	8.50	8.00	8.70	8.80	8.00
180.0	9.20	8.70	8.70	8.29	8.80	8.40	9.09	8.40	8.70	8.20	8.60	8.50	9.40	9.00	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. 0.3% Flickering. Temp 48.7 °C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Public 15W 4000K 82Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3976	DIMENSION:	SERIAL No.:

UNIT: cd

C(deg) \ γ (deg)	225	240	255	270	285	300	315	330	345
0.0	590	590	590	591	590	590	590	591	591
5.0	589	588	589	589	589	587	589	588	588
10.0	580	579	581	579	581	579	580	577	580
15.0	565	563	567	564	568	564	567	562	564
20.0	544	542	547	542	548	543	546	540	542
25.0	519	514	522	516	524	516	521	513	516
30.0	488	483	491	484	492	484	490	480	485
35.0	452	447	456	449	457	448	455	444	450
40.0	415	408	420	410	420	409	418	406	412
45.0	375	367	379	370	380	370	377	365	371
50.0	333	324	337	327	338	327	335	322	329
55.0	290	282	294	284	295	284	293	279	286
60.0	246	233	250	235	251	235	248	230	242
65.0	206	189	210	191	211	191	209	186	203
70.0	163	147	167	149	168	149	166	144	160
75.0	122	107	125	108	126	109	124	105	119
80.0	86.9	72.5	89.0	73.0	89.8	73.6	88.9	71.8	84.7
85.0	56.4	44.4	57.0	44.0	57.4	45.1	57.7	44.4	54.9
90.0	33.0	23.8	30.1	19.4	29.8	23.1	33.5	23.5	28.6
95.0	19.3	12.4	16.7	8.10	15.5	12.0	19.5	12.1	15.9
100.0	11.5	7.30	11.5	6.50	11.0	6.90	11.1	6.80	11.0
105.0	10.5	6.80	10.4	6.40	10.0	6.30	9.90	6.40	10.0
110.0	10.1	6.90	9.90	6.80	9.60	6.50	9.60	6.50	9.60
115.0	9.80	7.10	9.30	7.20	8.90	6.70	9.30	6.70	9.09
120.0	9.70	7.10	9.00	7.60	8.60	6.70	9.20	6.90	8.80
125.0	9.70	7.20	8.80	7.80	8.70	6.90	9.30	7.00	8.70
130.0	9.50	7.20	9.09	8.00	9.00	6.90	9.00	7.10	8.90
135.0	8.90	7.10	9.09	8.20	8.90	6.80	8.60	6.80	8.90
140.0	8.70	7.00	9.09	8.20	8.90	7.10	8.40	6.80	8.80
145.0	8.50	7.30	8.70	8.00	8.90	7.20	8.29	7.10	8.70
150.0	8.29	7.30	8.90	8.40	9.00	7.50	8.20	7.20	8.70
155.0	8.40	7.50	8.90	8.40	9.00	7.60	8.40	7.40	8.60
160.0	8.50	7.60	8.80	8.29	9.00	7.70	8.50	7.50	8.50
165.0	8.60	7.70	8.70	8.20	9.09	7.90	8.50	7.50	8.40
170.0	8.60	7.70	8.60	8.20	8.90	7.80	8.40	7.60	8.40
175.0	8.50	7.80	8.50	8.20	8.80	7.90	8.40	7.70	8.50
180.0	8.80	8.40	8.90	8.70	8.90	8.29	8.50	8.20	8.90

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. 0.3% Flickering. Temp 48.7 °C