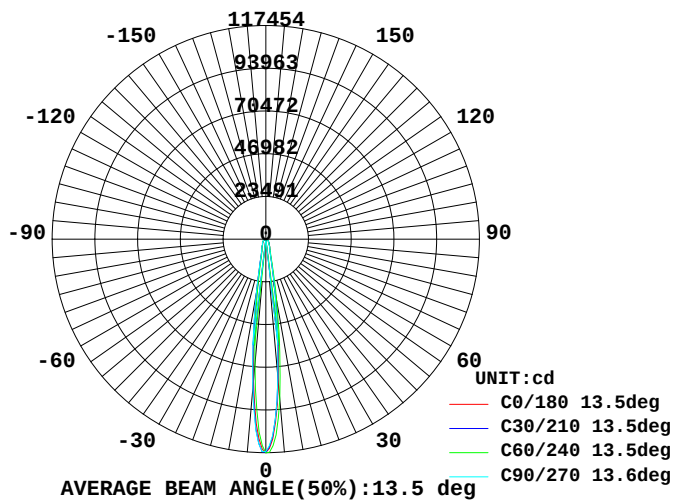


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 4Mx2L 160W 3000K K2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3033	DIMENSION: 671x251x40	SERIAL No.:

MODEL:		Imax(cd):	117454	Effective Flux(lm):	19298.2
NOMINAL POWER(W):	118	MAXIMUM(C, γ):	60, 0.0	EEI	0.083
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.1
NOMINAL FLUX(lm):	19298.2	η street_up(%):	0.6	Current(A)	0.542
TEST FLUX(lm):	19298.2	η street_down(%):	49.1	Power(W)	117.0
LAMPS QUANTITY:	1	η house_up(%)	0.6	Power Factor	0.979
TOTAL RADIANT(mw):	19298.2	η house_down(%)	49.6	EEFICIENCY(lm/W)	164.9



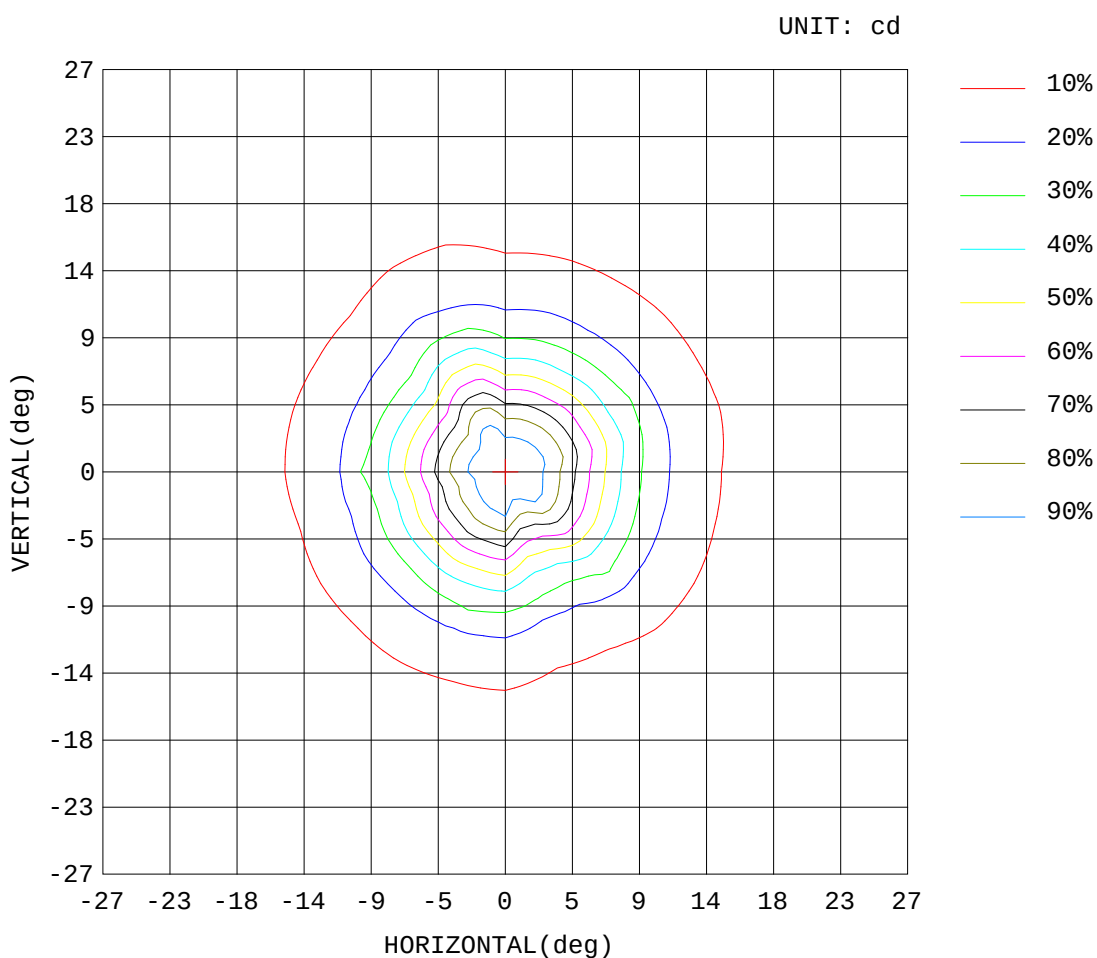
Temperature: 25.3°C
Operators:
Test Date: 07-20-2020

Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 70Ra 0,3% Flickering

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 4Mx2L 160W 3000K K2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3033	DIMENSION: 671x251x40	SERIAL No.:



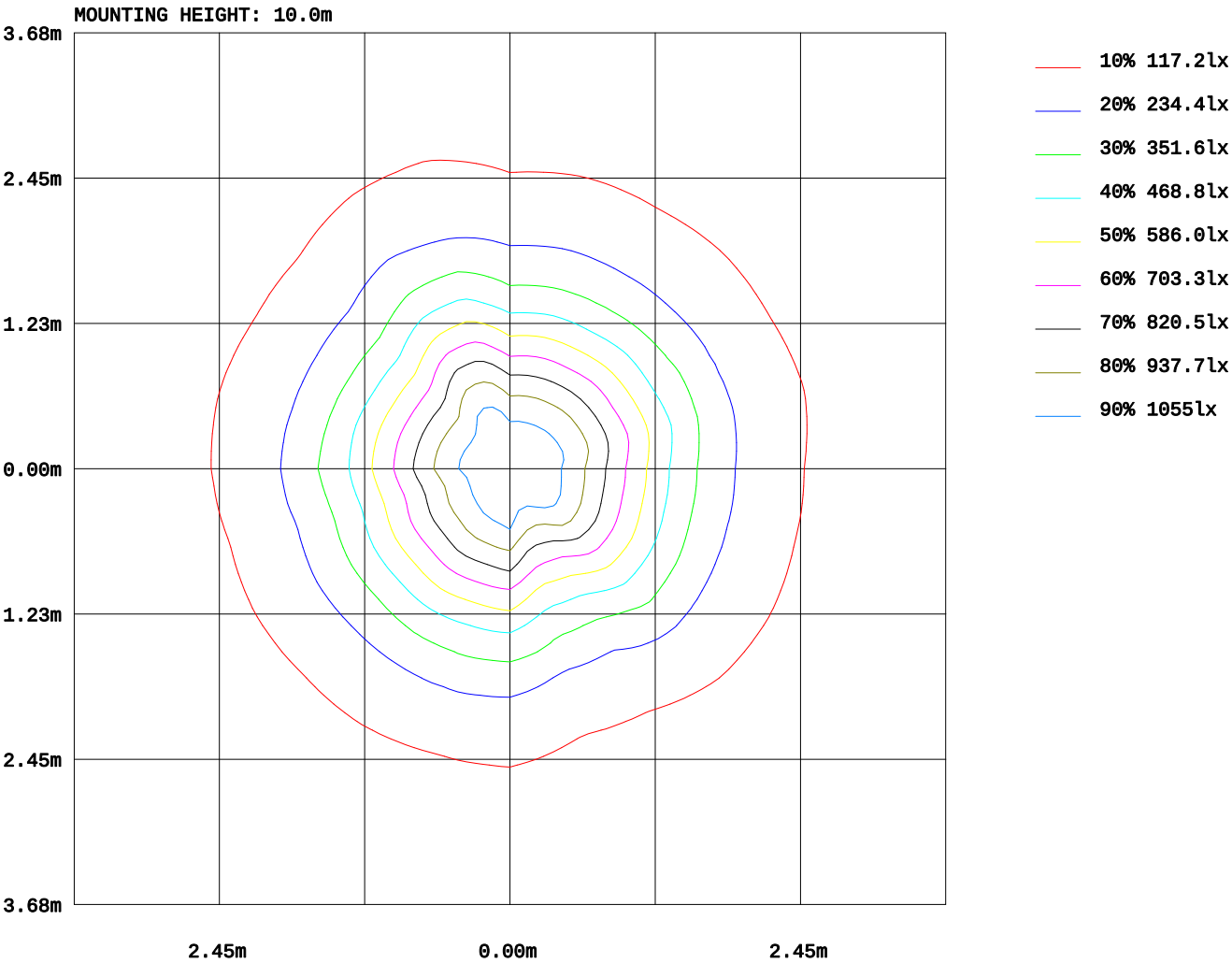
Temperature:25.3'C
Operators:
Test Date:07-20-2020

Humidity:65.0%
Test Distance:10.000 m
Remarks: 70Ra 0,3%Flickering

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 4Mx2L 160W 3000K K2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3033	DIMENSION: 671x251x40	SERIAL No.:



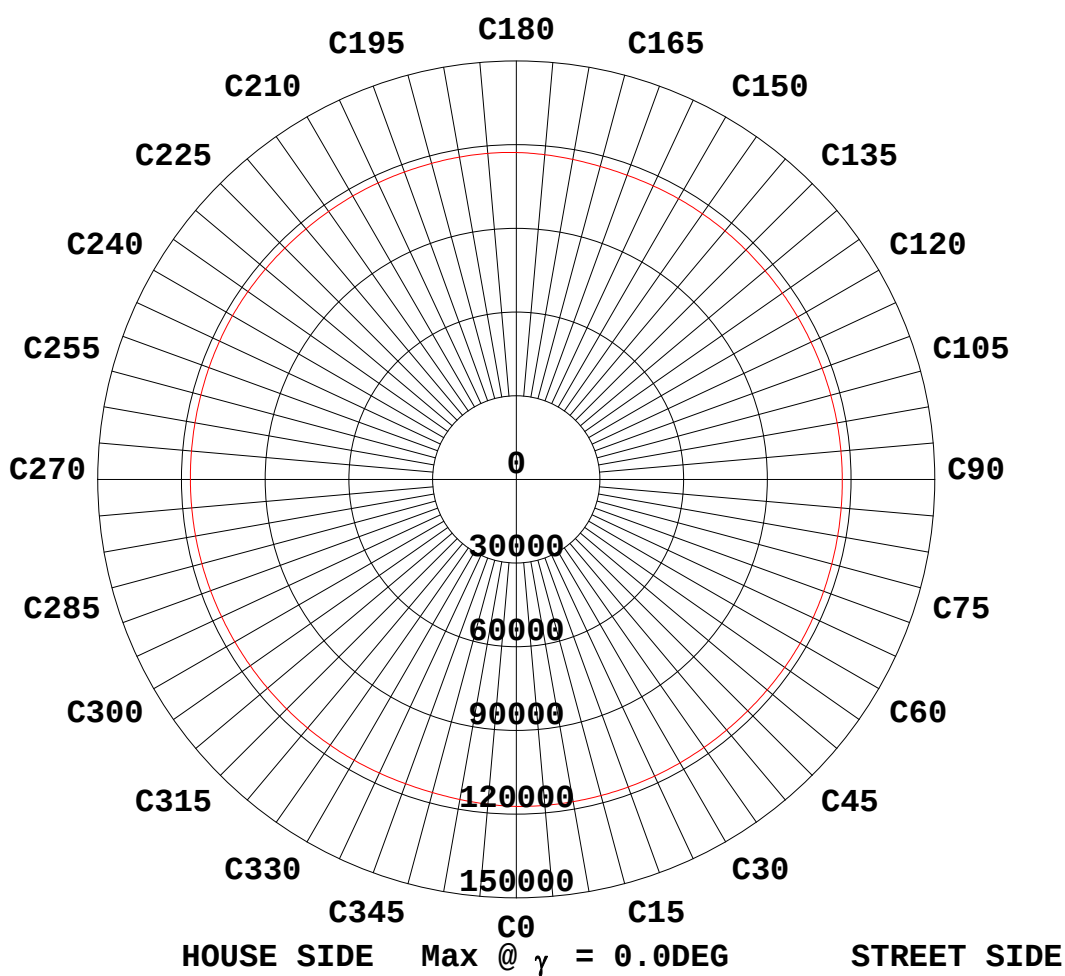
Temperature:25.3'C
Operators:
Test Date:07-20-2020

Humidity:65.0%
Test Distance:10.000 m
Remarks: 70Ra 0,3%Flickering

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 4Mx2L 160W 3000K K2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3033	DIMENSION: 671x251x40	SERIAL No.:



Temperature: 25.3'C
 Operators:
 Test Date: 07-20-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 70Ra 0,3% Flickering

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 4Mx2L 160W 3000K K2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3033	DIMENSION: 671x251x40	SERIAL No.:

UNIT: $\mu\text{A}100\text{cd}$

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	1172	1173	1173	1173	1175	1171	1168	1167	1165	1164	1162	1162	1172	1173	1173
5.0	786	780	812	799	694	689	824	793	800	762	767	734	789	776	764
10.0	286	295	301	345	243	242	306	341	296	289	282	281	344	296	290
15.0	108	109	111	110	96.4	93.7	110	108	108	106	107	105	113	113	111
20.0	69.0	66.2	66.6	65.8	62.7	62.6	67.7	64.9	65.6	64.4	65.0	65.2	69.5	67.0	65.9
25.0	52.5	52.3	52.3	52.0	50.9	50.5	52.7	52.1	51.5	50.8	51.5	51.0	51.8	52.1	51.1
30.0	38.1	38.3	39.5	39.9	38.1	37.7	40.9	40.6	41.1	40.5	40.5	39.3	40.1	40.1	39.3
35.0	33.2	31.6	31.5	31.5	31.6	32.0	33.4	32.5	32.2	31.3	31.5	32.2	33.5	32.1	30.1
40.0	27.2	27.4	28.4	28.7	29.1	29.4	30.1	29.5	29.3	28.4	28.1	27.9	28.7	27.5	26.1
45.0	22.2	22.9	24.2	24.5	23.9	23.5	25.3	24.6	24.5	23.5	22.4	21.9	21.9	22.3	21.9
50.0	18.5	18.1	19.4	19.7	19.7	19.7	20.5	20.2	20.2	19.6	19.1	18.1	18.7	18.2	18.2
55.0	18.6	16.6	16.8	17.2	17.5	17.0	18.0	17.4	17.8	17.0	16.7	17.0	18.3	17.3	15.8
60.0	16.1	14.8	14.3	14.6	14.7	14.3	15.0	14.9	15.1	14.4	14.1	14.7	15.7	15.4	13.4
65.0	11.9	11.3	11.7	11.9	11.9	11.5	12.1	12.0	12.4	11.8	11.5	11.0	11.4	11.6	10.9
70.0	8.31	8.32	9.20	9.43	9.38	8.84	9.62	9.38	9.81	9.34	9.09	8.20	8.08	8.60	8.55
75.0	5.63	5.82	6.82	6.93	6.96	6.42	7.13	6.95	7.35	6.88	6.77	5.94	5.63	6.24	6.31
80.0	3.41	3.54	4.48	4.53	4.59	4.11	4.82	4.59	5.07	4.50	4.50	3.64	3.40	4.10	4.01
85.0	1.61	1.39	1.67	2.02	1.66	1.74	2.53	2.18	2.63	2.00	2.30	1.48	1.40	1.67	1.76
90.0	0.38	0.25	0.60	0.46	0.75	0.59	0.95	0.68	0.88	0.45	0.60	0.25	0.23	0.53	0.37
95.0	0.29	0.13	0.34	0.25	0.48	0.41	0.62	0.45	0.51	0.25	0.33	0.14	0.17	0.28	0.19
100.0	0.19	0.10	0.22	0.21	0.39	0.34	0.50	0.36	0.40	0.21	0.21	0.10	0.10	0.19	0.11
105.0	0.18	0.12	0.18	0.13	0.29	0.24	0.39	0.26	0.31	0.12	0.18	0.12	0.12	0.19	0.12
110.0	0.19	0.14	0.19	0.13	0.19	0.14	0.29	0.16	0.19	0.13	0.19	0.14	0.14	0.19	0.14
115.0	0.20	0.16	0.19	0.15	0.20	0.15	0.20	0.15	0.19	0.15	0.19	0.16	0.16	0.20	0.16
120.0	0.21	0.18	0.21	0.17	0.21	0.17	0.21	0.17	0.21	0.17	0.21	0.18	0.19	0.22	0.19
125.0	0.24	0.21	0.23	0.20	0.23	0.20	0.22	0.20	0.22	0.20	0.23	0.21	0.22	0.24	0.22
130.0	0.27	0.26	0.26	0.24	0.26	0.24	0.25	0.23	0.25	0.25	0.26	0.26	0.27	0.27	0.26
135.0	0.34	0.34	0.32	0.31	0.31	0.31	0.29	0.30	0.30	0.32	0.33	0.34	0.35	0.34	0.34
140.0	0.45	0.47	0.43	0.44	0.43	0.44	0.39	0.42	0.40	0.45	0.44	0.47	0.48	0.46	0.47
145.0	0.60	0.62	0.59	0.61	0.61	0.64	0.56	0.60	0.57	0.62	0.60	0.62	0.63	0.61	0.64
150.0	0.73	0.77	0.76	0.80	0.80	0.83	0.76	0.79	0.77	0.80	0.76	0.76	0.76	0.76	0.81
155.0	0.82	0.86	0.90	0.93	0.93	0.94	0.90	0.91	0.91	0.92	0.88	0.84	0.84	0.87	0.93
160.0	0.84	0.88	0.95	0.96	0.98	0.97	0.97	0.96	0.97	0.95	0.92	0.85	0.85	0.90	0.94
165.0	0.82	0.82	0.91	0.92	0.96	0.95	0.98	0.95	0.95	0.89	0.88	0.80	0.82	0.86	0.88
170.0	0.77	0.75	0.82	0.82	0.88	0.86	0.93	0.86	0.87	0.80	0.80	0.75	0.77	0.80	0.79
175.0	0.74	0.70	0.73	0.72	0.77	0.75	0.81	0.75	0.76	0.71	0.73	0.71	0.74	0.74	0.71
180.0	0.73	0.70	0.70	0.69	0.70	0.73	0.74	0.72	0.71	0.69	0.70	0.70	0.72	0.71	0.69

Temperature:25.3'C
Operators:
Test Date:07-20-2020

Humidity:65.0%
Test Distance:10.000 m
Remarks: 70Ra 0,3%Flickering

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 4Mx2L 160W 3000K K2		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 3033	DIMENSION: 671x251x40	SERIAL No.:

UNIT: $\text{lm}/\text{m}^2/\text{cd}$

γ (deg) \ C(deg)	225	240	255	270	285	300	315	330	345
0.0	1173	1175	1171	1168	1167	1165	1164	1162	1162
5.0	760	884	890	767	779	790	803	811	821
10.0	285	343	346	287	290	297	303	341	316
15.0	112	128	132	112	114	114	115	115	117
20.0	66.7	71.2	71.8	67.7	67.3	67.1	68.3	67.8	68.7
25.0	51.0	52.9	53.7	50.3	51.1	50.5	51.4	51.2	52.9
30.0	39.0	40.6	40.5	36.9	37.3	37.2	38.1	37.9	38.8
35.0	30.0	30.7	31.2	29.8	30.1	29.5	29.9	30.0	31.9
40.0	26.3	26.4	26.7	25.7	26.1	25.6	26.2	26.1	27.1
45.0	22.4	22.8	22.5	22.0	22.5	22.2	22.5	22.5	22.3
50.0	18.9	19.0	19.4	18.2	18.8	18.4	18.9	18.2	18.1
55.0	16.5	16.7	16.7	16.0	16.3	16.2	16.5	15.8	16.9
60.0	14.1	14.3	14.5	13.3	14.0	13.8	14.1	13.4	15.6
65.0	11.7	11.7	11.9	10.8	11.5	11.3	11.7	10.9	12.1
70.0	9.31	9.37	9.51	8.46	9.06	8.84	9.30	8.51	8.76
75.0	6.96	6.99	7.23	6.23	6.73	6.55	6.94	6.24	6.18
80.0	4.67	4.75	4.91	3.88	4.47	4.25	4.64	3.91	3.96
85.0	2.34	2.27	2.67	1.71	1.70	1.88	2.32	1.68	1.74
90.0	0.68	0.59	1.01	0.55	0.82	0.52	0.68	0.35	0.48
95.0	0.41	0.36	0.58	0.43	0.56	0.33	0.41	0.19	0.28
100.0	0.30	0.28	0.46	0.36	0.45	0.27	0.29	0.11	0.19
105.0	0.21	0.21	0.37	0.28	0.34	0.20	0.21	0.12	0.18
110.0	0.19	0.14	0.25	0.17	0.23	0.14	0.19	0.14	0.19
115.0	0.20	0.16	0.21	0.16	0.21	0.16	0.20	0.16	0.20
120.0	0.22	0.18	0.22	0.19	0.22	0.18	0.22	0.19	0.22
125.0	0.24	0.21	0.23	0.22	0.24	0.21	0.24	0.22	0.24
130.0	0.27	0.24	0.26	0.25	0.26	0.25	0.27	0.26	0.27
135.0	0.33	0.31	0.30	0.31	0.31	0.32	0.33	0.34	0.34
140.0	0.44	0.41	0.39	0.44	0.41	0.45	0.44	0.47	0.45
145.0	0.61	0.60	0.55	0.63	0.60	0.64	0.61	0.64	0.61
150.0	0.80	0.80	0.76	0.84	0.80	0.83	0.80	0.81	0.76
155.0	0.94	0.94	0.92	0.96	0.94	0.96	0.94	0.93	0.87
160.0	1.00	1.00	1.00	1.00	1.01	1.00	1.00	0.95	0.90
165.0	0.96	0.97	1.00	1.00	1.01	0.98	0.98	0.90	0.87
170.0	0.87	0.88	0.95	0.91	0.95	0.88	0.89	0.80	0.80
175.0	0.75	0.76	0.83	0.79	0.82	0.77	0.77	0.72	0.74
180.0	0.70	0.70	0.73	0.73	0.73	0.70	0.70	0.69	0.71

Temperature: 25.3°C
 Operators:
 Test Date: 07-20-2020

Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 70Ra 0,3% Flickering