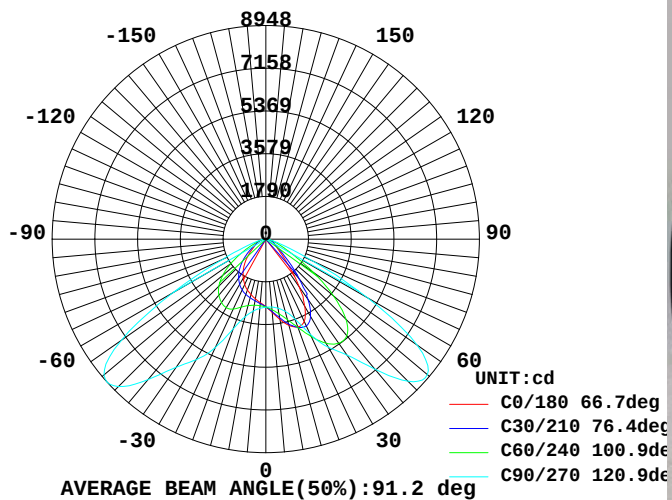


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K SH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4873	DIMENSION: 521x128x40	SERIAL No.:

MODEL:		Imax(cd):	8948	Effective Flux(lm):	10932.2
NOMINAL POWER(W):	60	MAXIMUM(C, γ):	90, 48.0	EEI	0.079
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.1
NOMINAL FLUX(lm):	10932.3	η street_up(%):	0.6	Current(A)	0.292
TEST FLUX(lm):	10932.3	η street_down(%):	49.3	Power(W)	63.73
LAMPS QUANTITY:	1	η house_up(%)	0.6	Power Factor	0.989
TOTAL RADIANT(mw):	10932.3	η house_down(%)	49.6	EEFICIENCY(lm/W)	171.5



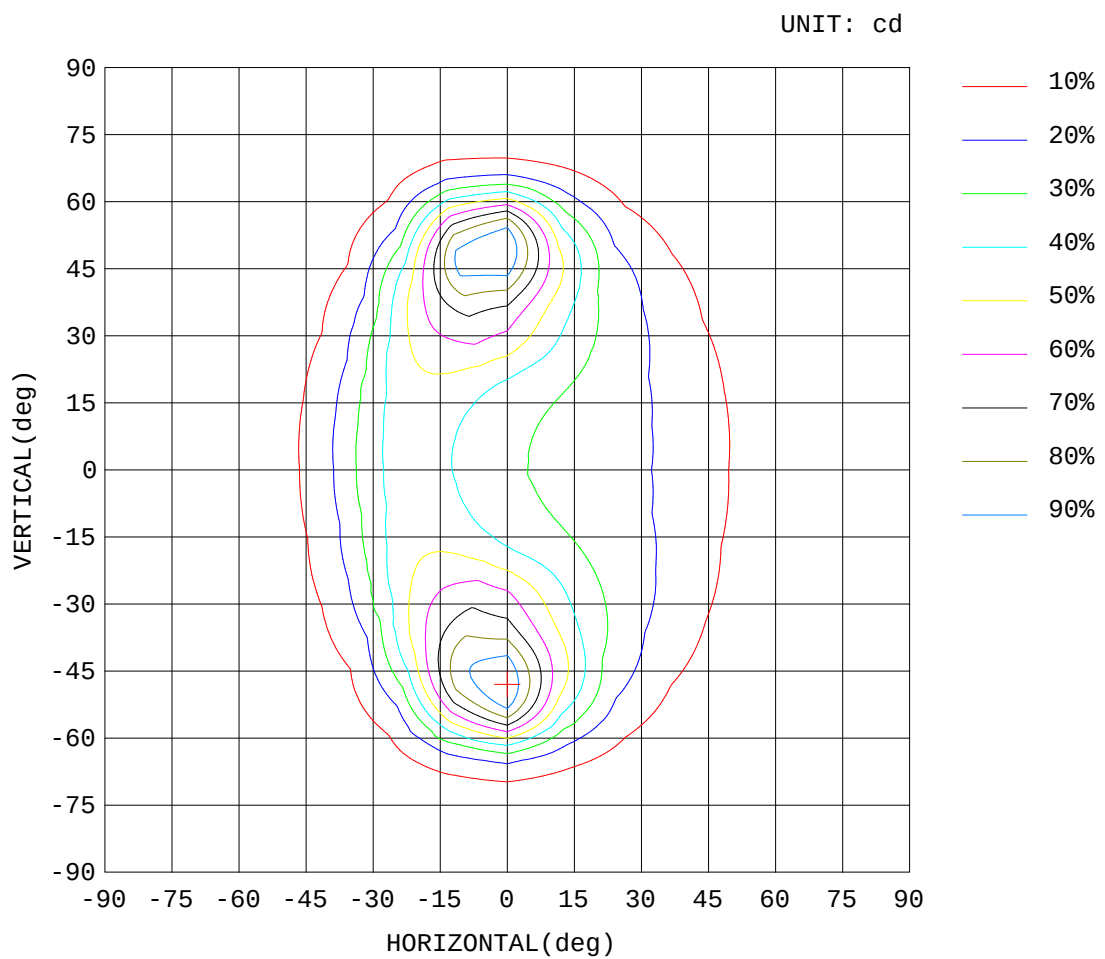
Temperature:25.3'C
Operators:
Test Date:04-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 70Ra. 0,4% Flickering. Temp 43.3C.

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K SH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4873	DIMENSION: 521x128x40	SERIAL No.:



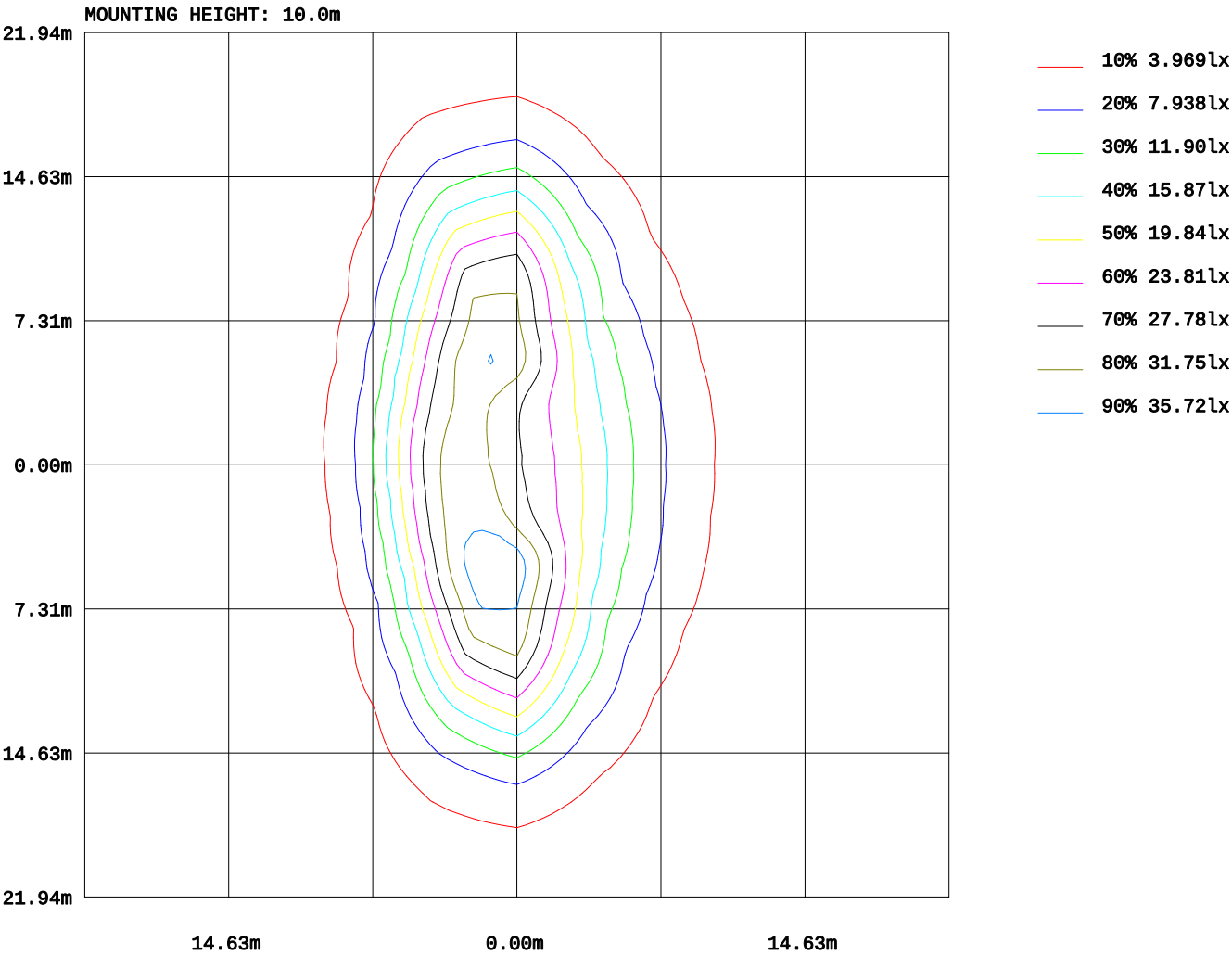
Temperature:25.3'C
Operators:
Test Date:04-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 70Ra. 0,4% Flickering. Temp 43.3C.

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K SH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4873	DIMENSION: 521x128x40	SERIAL No.:



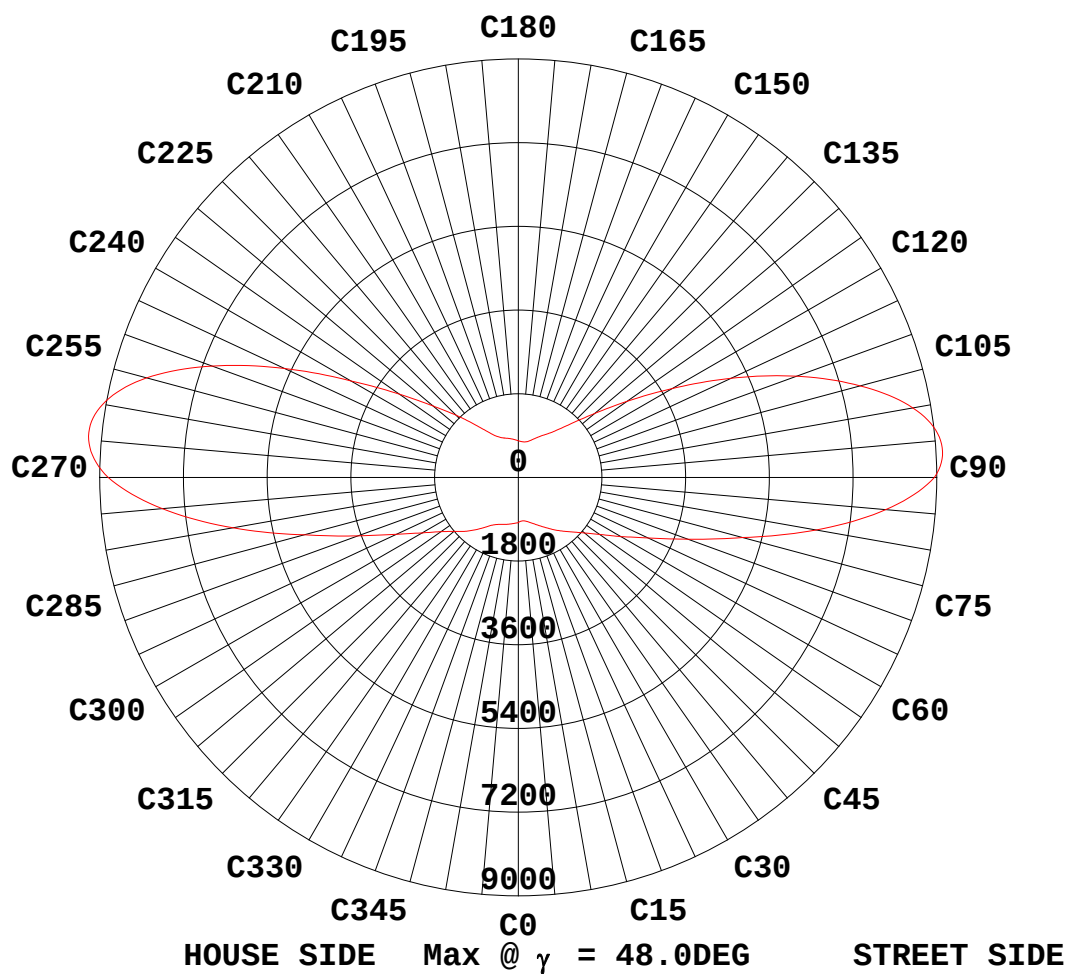
Temperature:25.3'C
Operators:
Test Date:04-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 70Ra. 0,4% Flickering. Temp 43.3C.

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K SH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4873	DIMENSION: 521x128x40	SERIAL No.:



Temperature: 25.3°C
 Operators:
 Test Date: 04-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 70Ra. 0,4% Flickering. Temp 43.3C.

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K SH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4873	DIMENSION: 521x128x40	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	2831	2826	2835	2835	2844	2849	2851	2854	2849	2849	2843	2844	2831	2826	2835
5.0	2673	2675	2713	2745	2801	2856	2912	2975	3017	3069	3084	3109	3084	3065	3047
10.0	2540	2558	2625	2702	2813	2934	3061	3193	3295	3378	3424	3448	3423	3384	3346
15.0	2408	2440	2543	2678	2885	3124	3366	3585	3711	3777	3788	3774	3739	3715	3673
20.0	2272	2315	2465	2669	3032	3540	3997	4292	4261	4161	4043	3951	3912	3915	3932
25.0	2099	2157	2337	2641	3231	4127	5002	5265	4905	4439	4093	3849	3802	3873	4011
30.0	1890	1954	2193	2552	3317	4549	5830	6062	5364	4460	3757	3323	3282	3420	3751
35.0	1663	1722	1993	2398	3242	4789	6553	6706	5512	4013	3037	2472	2433	2638	3083
40.0	1405	1465	1744	2183	3064	5083	7689	7467	5248	3180	2151	1651	1602	1793	2199
45.0	1130	1178	1447	1881	2781	5202	8732	7875	4473	2195	1376	1030	1011	1124	1422
50.0	872	898	1125	1501	2359	4731	8847	7197	3339	1363	881	699	693	755	879
55.0	660	675	817	1096	1804	3674	7385	5499	2122	841	618	533	536	566	602
60.0	522	515	589	734	1213	2352	4503	3329	1210	558	473	433	444	457	455
65.0	447	413	445	485	743	1260	1957	1585	723	398	380	359	374	383	360
70.0	394	332	342	336	445	628	860	721	455	296	306	291	311	315	287
75.0	287	220	253	220	279	321	404	351	292	205	188	210	209	237	211
80.0	187	140	177	120	181	164	178	172	187	127	164	137	149	179	137
85.0	111	61.7	88.3	55.4	89.0	72.7	98.0	74.4	94.7	58.0	83.6	53.7	60.6	91.0	62.5
90.0	16.9	5.50	21.6	7.40	26.4	13.2	26.6	13.2	24.7	7.60	19.1	4.40	4.60	20.8	7.30
95.0	12.0	3.90	11.4	5.30	15.0	9.90	18.7	8.29	14.0	4.90	11.3	4.10	4.30	11.3	4.30
100.0	10.9	4.60	10.8	7.10	16.4	13.7	20.8	11.5	14.3	6.10	10.9	4.80	5.10	10.7	5.30
105.0	10.4	5.60	11.2	9.80	19.0	18.0	23.8	15.4	15.7	7.70	10.9	5.80	6.00	10.5	6.50
110.0	10.5	7.00	12.3	13.2	22.2	21.7	26.6	19.1	17.8	9.60	11.4	6.90	7.10	10.9	7.90
115.0	11.5	8.90	14.3	16.6	25.2	24.7	29.1	22.3	20.2	11.8	12.4	8.20	8.50	11.5	9.50
120.0	13.2	11.5	17.1	20.2	27.7	26.6	30.7	24.6	22.5	14.1	13.6	9.70	10.0	12.7	11.3
125.0	15.4	14.5	20.0	23.5	29.4	27.5	31.5	26.1	24.4	16.4	14.9	11.4	11.7	13.9	13.3
130.0	18.1	17.8	23.0	26.1	30.7	28.2	31.6	27.0	26.0	18.5	16.5	13.2	13.5	15.2	15.2
135.0	21.0	21.0	25.7	28.6	32.1	29.4	31.6	27.5	27.1	20.5	18.1	15.0	15.4	16.9	17.2
140.0	23.7	23.8	28.0	30.5	33.5	31.0	32.3	28.7	28.0	22.2	19.7	17.0	17.2	18.5	19.2
145.0	26.1	26.3	30.0	31.9	35.0	33.1	34.0	30.5	29.1	23.6	21.5	18.9	19.2	20.2	21.1
150.0	28.0	28.2	31.5	33.0	36.3	35.5	36.2	32.4	30.3	25.2	23.1	21.1	21.4	22.3	23.1
155.0	29.6	30.0	32.6	33.7	37.4	37.0	37.7	33.7	31.5	26.9	25.0	23.6	23.8	24.4	25.0
160.0	31.6	31.5	33.7	34.5	37.7	37.4	38.1	34.2	32.4	28.5	27.0	26.1	26.6	26.6	27.1
165.0	33.7	33.0	34.7	34.7	37.5	36.7	37.7	34.2	33.0	30.1	29.0	28.7	29.4	29.1	29.1
170.0	35.5	34.2	35.2	34.7	36.7	35.7	37.0	34.0	33.7	31.7	31.2	31.2	32.4	31.2	31.0
175.0	36.5	34.7	35.4	34.5	36.0	35.0	36.7	34.4	34.4	33.2	33.1	33.1	34.7	33.2	32.7
180.0	36.0	34.5	34.7	34.0	35.2	34.7	36.5	35.2	35.4	34.7	34.7	34.7	36.0	34.7	34.2

Temperature:25.3'C
Operators:
Test Date:04-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 70Ra. 0,4% Flickering. Temp 43.3C.

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K SH		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4873	DIMENSION: 521x128x40	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2835	2844	2849	2851	2854	2849	2849	2843	2844
5.0	3006	2964	2912	2858	2807	2757	2722	2706	2677
10.0	3260	3176	3053	2941	2824	2720	2641	2571	2550
15.0	3601	3488	3323	3129	2921	2729	2580	2465	2421
20.0	3945	3938	3800	3553	3153	2796	2535	2359	2293
25.0	4240	4504	4656	4387	3623	2920	2488	2236	2135
30.0	4350	5027	5548	5222	4085	3008	2408	2084	1944
35.0	4076	5324	6223	5940	4330	2967	2280	1888	1728
40.0	3363	5280	7181	7107	4649	2827	2090	1652	1480
45.0	2427	4749	8149	8409	4884	2597	1830	1379	1207
50.0	1573	3696	8083	8831	4561	2220	1499	1069	942
55.0	943	2422	6612	7724	3594	1696	1109	778	709
60.0	613	1371	4227	4939	2381	1140	755	566	546
65.0	438	776	1982	2152	1349	678	513	425	445
70.0	323	468	881	849	677	401	361	325	368
75.0	236	300	423	390	357	242	255	232	262
80.0	164	161	178	176	185	141	162	148	187
85.0	89.9	71.4	117	69.5	109	62.9	83.6	65.8	102
90.0	23.6	12.0	35.0	12.2	31.7	12.2	24.1	8.90	28.5
95.0	12.2	6.30	17.5	10.0	17.4	7.00	12.2	4.20	11.3
100.0	12.1	8.50	18.7	13.9	19.4	10.0	12.2	5.10	10.4
105.0	12.7	11.4	21.1	18.1	22.5	13.9	13.5	6.50	10.2
110.0	13.9	14.5	24.0	22.2	25.7	18.0	15.8	8.60	10.7
115.0	15.6	17.6	26.8	25.4	28.9	22.1	19.0	11.4	11.9
120.0	17.5	20.5	29.0	27.7	31.0	25.5	22.5	14.8	13.9
125.0	19.5	22.7	30.4	29.0	32.2	27.9	25.6	18.4	16.5
130.0	21.4	24.6	31.2	29.6	32.7	29.6	28.4	21.7	19.5
135.0	23.1	26.1	31.6	30.1	33.1	31.0	30.7	24.9	22.5
140.0	24.6	27.2	32.1	31.0	34.0	32.5	32.5	27.5	25.4
145.0	25.9	28.6	33.1	32.7	35.4	33.7	33.8	29.6	27.9
150.0	27.2	29.8	34.7	34.7	37.2	35.2	34.9	31.4	29.9
155.0	28.5	30.8	35.7	36.1	38.7	36.2	35.7	32.6	31.5
160.0	29.6	31.6	36.2	36.8	39.5	36.8	36.3	33.7	32.7
165.0	31.0	32.2	36.1	36.7	39.2	36.8	36.7	34.5	34.2
170.0	32.2	32.7	35.9	36.2	38.2	36.3	36.7	35.2	35.2
175.0	33.5	33.5	35.7	35.7	37.0	35.6	36.2	35.1	35.7
180.0	34.5	34.2	35.7	35.7	36.0	35.0	35.2	34.5	35.2

Temperature:25.3'C
Operators:
Test Date:04-09-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 70Ra. 0,4% Flickering. Temp 43.3C.