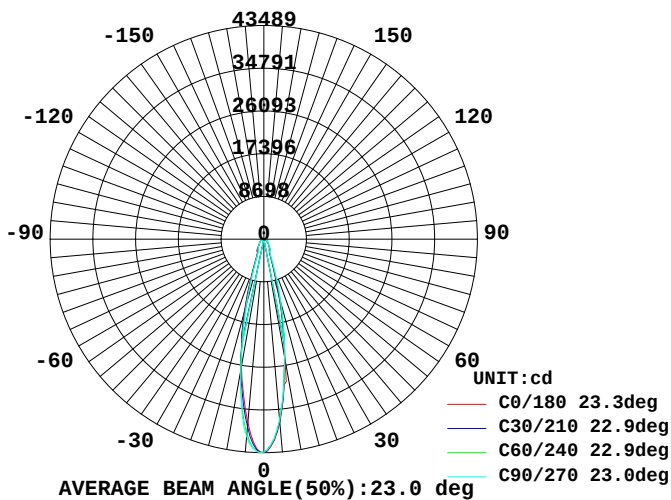


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 2Mx2L 80W 4000K K1		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4163	DIMENSION:	SERIAL No.:

MODEL :		Imax(cd) :	43489	Effective Flux(lm) :	12856.4
NOMINAL POWER(W) :	82	MAXIMUM(C, γ) :	60, 1.0	EEI	0.087
RATED VOLTAGE(V) :	220	EFFICIENCY(%) :	100.0	Voltage(V)	220.1
NOMINAL FLUX(lm) :	12856.4	η street_up(%) :	0.7	Current(A)	0.377
TEST FLUX(lm) :	12856.4	η street_down(%) :	49.1	Power(W)	81.69
LAMPS QUANTITY :	1	η house_up(%) :	0.7	Power Factor	0.984
TOTAL RADIANT(mw) :	12856.4	η house_down(%) :	49.4	EEFICIENCY(lm/W)	157.4



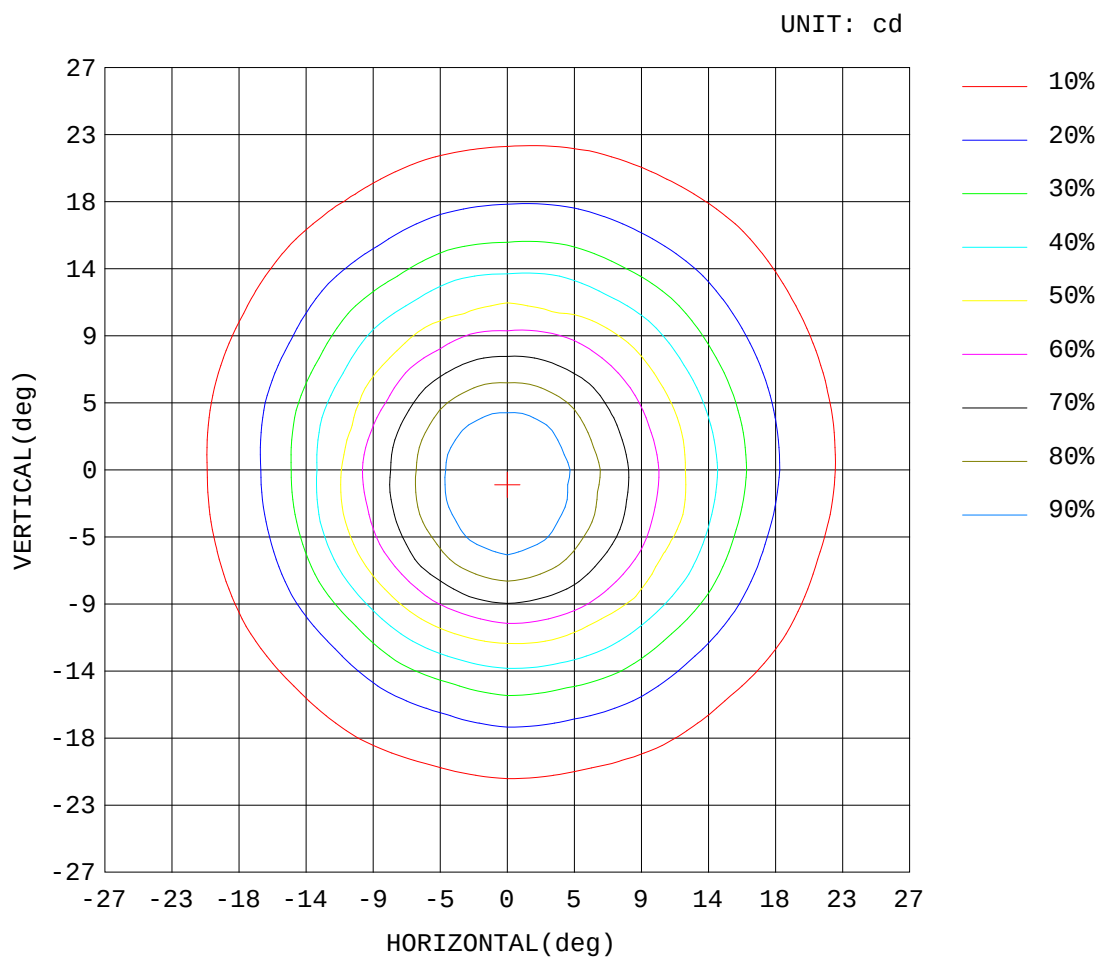
Temperature: 25.3'C
Operators:
Test Date: 13-08-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 0,2% Flickering. Temp 47.1C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 2Mx2L 80W 4000K K1		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4163	DIMENSION:	SERIAL No.:



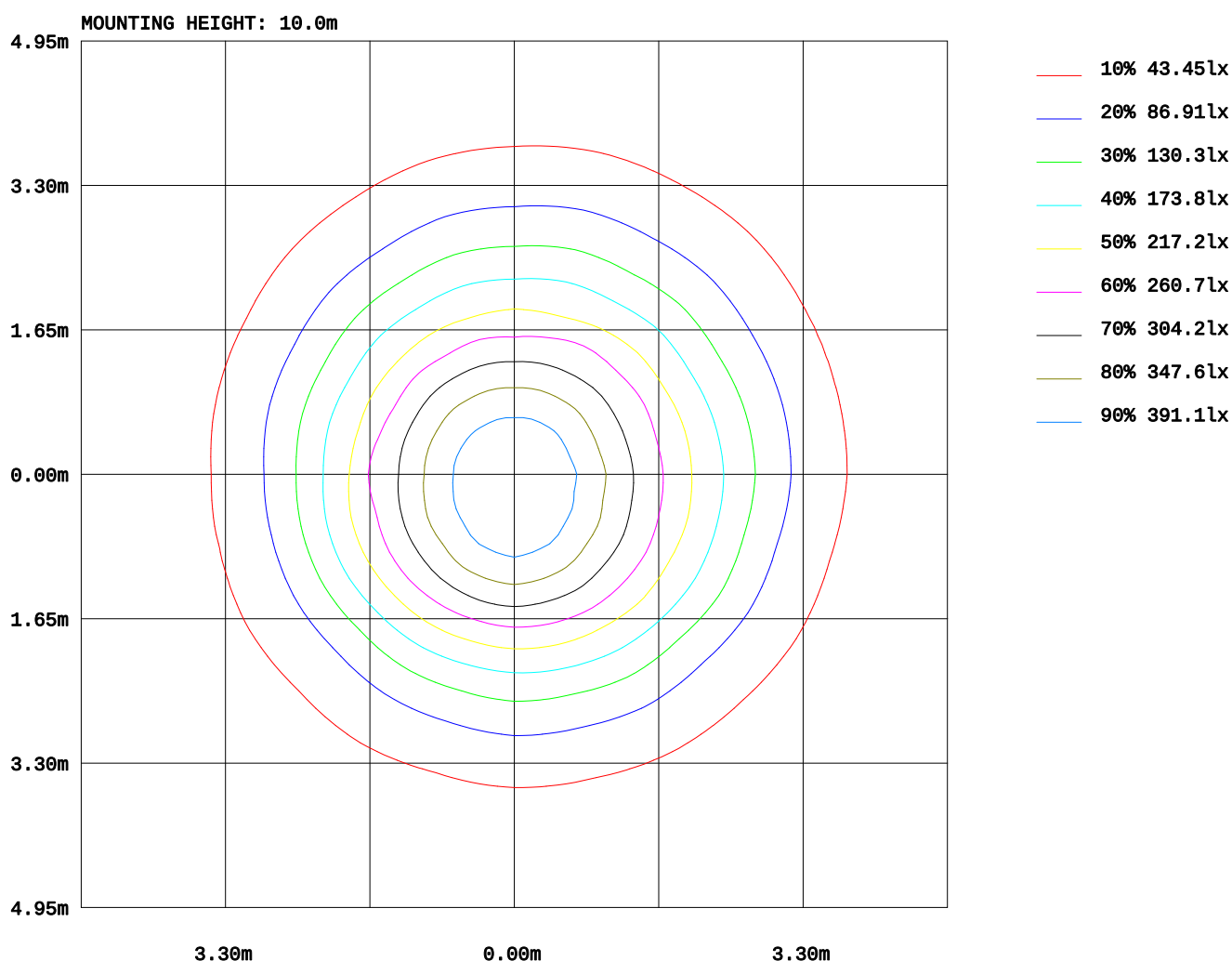
Temperature:25.3'C
Operators:
Test Date:13-08-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 0,2% Flickering. Temp 47.1C

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 2Mx2L 80W 4000K K1		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4163	DIMENSION:	SERIAL No.:



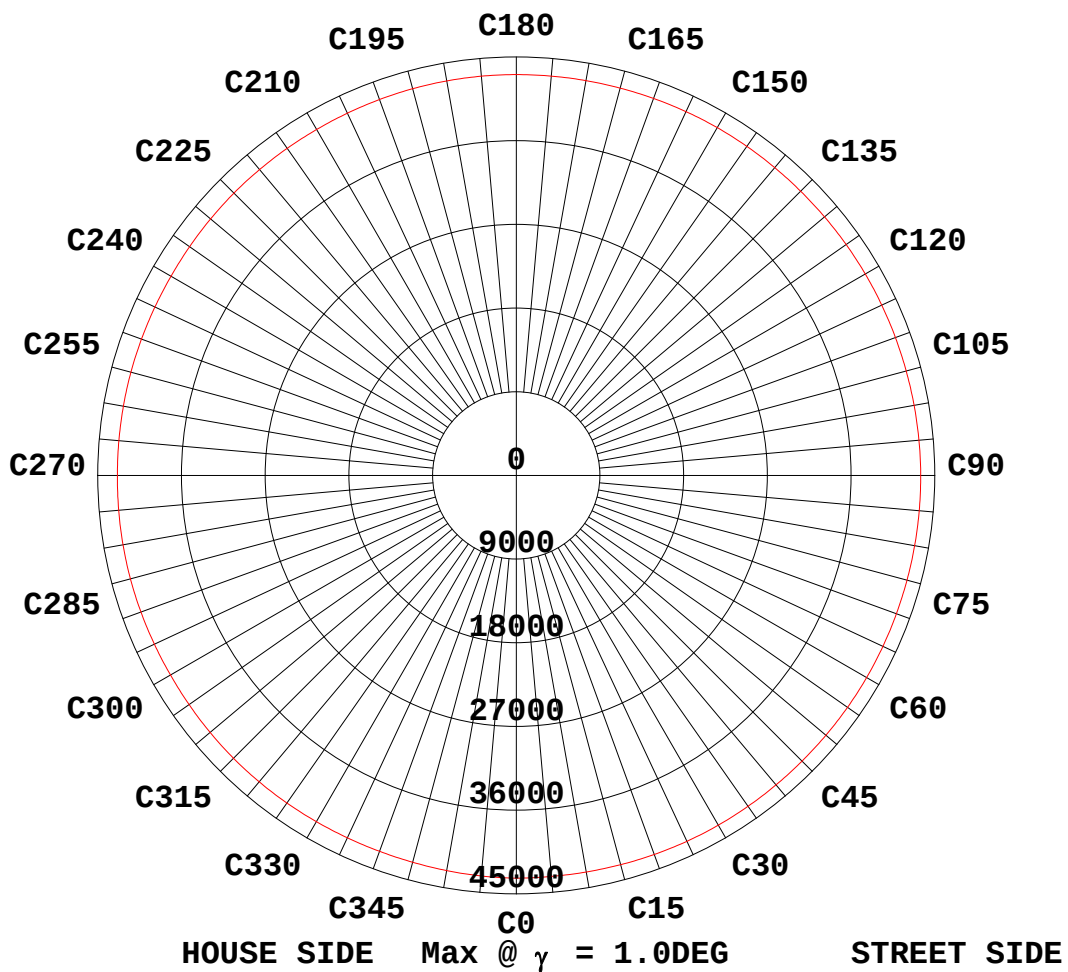
Temperature: 25.3°C
 Operators:
 Test Date: 13-08-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 0,2% Flickering. Temp 47.1C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 2Mx2L 80W 4000K K1		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4163	DIMENSION:	SERIAL No.:



Temperature: 25.3°C
Operators:
Test Date: 13-08-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 0,2% Flickering. Temp 47.1C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 2Mx2L 80W 4000K K1		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4163	DIMENSION:	SERIAL No.:

UNIT: μA10cd

C(deg) γ (deg)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210
0.0	4346	4346	4342	4344	4336	4341	4335	4338	4333	4336	4333	4336	4346	4346	4342
5.0	3740	3757	3826	3883	3973	4002	4035	4005	3973	3892	3842	3790	3750	3749	3730
10.0	2645	2654	2710	2723	2738	2720	2698	2636	2632	2581	2579	2530	2480	2472	2436
15.0	1551	1492	1510	1418	1420	1332	1338	1254	1261	1185	1224	1184	1175	1240	1220
20.0	613	579	572	541	527	495	488	466	469	454	457	447	443	463	473
25.0	318	304	300	289	285	283	276	267	271	266	267	264	268	268	266
30.0	286	275	260	250	243	235	230	226	226	222	230	228	223	237	236
35.0	218	214	218	201	204	194	193	188	193	190	192	187	187	196	200
40.0	157	153	155	153	155	151	154	149	150	145	149	148	151	153	151
45.0	136	132	130	124	135	126	129	126	131	122	134	127	125	130	131
50.0	113	108	110	106	111	109	111	110	109	104	110	107	108	112	110
55.0	99.9	92.7	92.1	90.1	93.0	91.6	97.1	91.2	92.6	88.8	91.4	90.0	93.1	92.9	90.8
60.0	77.5	74.9	78.1	77.0	79.2	76.2	80.6	75.8	78.7	75.5	77.1	72.7	72.7	75.5	75.7
65.0	60.9	59.0	63.9	62.2	64.9	61.7	64.1	61.5	64.2	61.0	62.7	57.7	57.7	60.5	61.3
70.0	48.0	45.7	50.5	49.5	52.3	48.4	51.2	48.1	51.7	48.3	49.4	44.9	44.8	47.7	47.6
75.0	36.0	34.0	38.2	36.8	39.4	36.5	38.5	36.2	38.7	35.9	37.0	33.1	32.3	35.8	35.3
80.0	23.8	21.4	26.3	23.8	27.3	23.2	25.9	22.7	26.5	22.6	24.9	20.0	19.1	23.8	22.5
85.0	13.4	10.6	16.0	12.0	16.1	11.3	14.4	10.9	15.2	10.8	14.5	9.35	8.24	13.2	11.2
90.0	4.24	2.38	4.77	2.91	5.39	3.67	5.00	3.57	4.90	2.72	4.14	2.44	2.19	4.00	2.87
95.0	2.63	1.30	2.70	1.76	2.85	2.38	3.61	2.23	2.83	1.63	2.57	1.25	1.54	2.32	1.61
100.0	1.60	0.73	1.64	1.18	2.25	1.94	2.94	1.84	2.16	1.09	1.50	0.74	0.77	1.44	0.80
105.0	1.38	0.84	1.40	0.95	2.00	1.62	2.38	1.60	1.91	0.86	1.38	0.85	0.88	1.38	0.85
110.0	1.41	0.98	1.42	0.99	1.49	1.12	1.82	1.08	1.45	0.99	1.41	0.99	1.02	1.40	0.98
115.0	1.47	1.13	1.48	1.15	1.51	1.18	1.55	1.18	1.51	1.16	1.47	1.15	1.19	1.47	1.13
120.0	1.56	1.30	1.57	1.32	1.61	1.35	1.65	1.36	1.62	1.35	1.59	1.34	1.39	1.57	1.33
125.0	1.69	1.51	1.70	1.55	1.74	1.59	1.79	1.61	1.78	1.61	1.75	1.59	1.64	1.73	1.56
130.0	1.92	1.86	1.95	1.91	2.00	1.97	2.06	2.01	2.06	2.02	2.05	1.99	2.05	2.03	1.96
135.0	2.41	2.47	2.45	2.55	2.53	2.63	2.61	2.68	2.63	2.70	2.61	2.66	2.78	2.60	2.67
140.0	3.31	3.51	3.36	3.59	3.45	3.69	3.54	3.75	3.57	3.76	3.55	3.72	3.88	3.60	3.78
145.0	4.54	4.87	4.62	5.00	4.72	5.06	4.76	5.09	4.83	5.16	4.81	5.07	5.30	4.98	5.28
150.0	5.90	6.24	6.10	6.48	6.20	6.43	6.13	6.46	6.29	6.62	6.26	6.42	6.74	6.43	6.83
155.0	7.07	7.36	7.36	7.68	7.48	7.56	7.32	7.57	7.53	7.74	7.47	7.51	7.80	7.65	7.95
160.0	7.84	7.98	8.09	8.24	8.20	8.16	8.05	8.13	8.18	8.20	8.11	8.05	8.32	8.32	8.43
165.0	8.07	7.98	8.20	8.14	8.27	8.17	8.24	8.08	8.20	8.05	8.15	8.05	8.27	8.37	8.26
170.0	7.82	7.53	7.80	7.65	7.88	7.75	7.94	7.66	7.79	7.54	7.78	7.68	7.85	7.98	7.69
175.0	7.44	7.06	7.23	7.17	7.40	7.31	7.58	7.23	7.36	7.11	7.27	7.23	7.42	7.45	7.10
180.0	7.27	7.00	6.95	6.99	7.15	7.13	7.35	7.12	7.17	7.04	7.04	7.05	7.26	7.06	6.89

Temperature:25.3'C
Operators:
Test Date:13-08-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 0,2% Flickering. Temp 47.1C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 2Mx2L 80W 4000K K1		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4163	DIMENSION:	SERIAL No.:

UNIT: μ A10cd

γ (deg) \ C(deg)	225	240	255	270	285	300	315	330	345
0.0	4344	4336	4341	4335	4338	4333	4336	4333	4336
5.0	3733	3709	3706	3688	3706	3709	3728	3706	3701
10.0	2451	2437	2463	2460	2501	2521	2573	2575	2599
15.0	1294	1282	1359	1352	1425	1417	1489	1465	1520
20.0	511	528	567	583	620	629	654	635	627
25.0	276	280	293	301	311	313	322	317	320
30.0	243	249	264	274	280	277	284	280	289
35.0	207	208	216	210	219	222	220	224	216
40.0	156	156	160	161	163	161	167	158	160
45.0	128	131	138	134	139	134	132	130	136
50.0	110	111	117	114	116	112	112	111	113
55.0	94.1	93.3	98.4	101	99.1	94.5	95.6	92.5	95.5
60.0	80.7	78.2	81.3	81.7	81.9	79.4	82.0	77.0	77.3
65.0	65.0	63.3	65.6	63.7	66.3	64.5	66.5	62.7	61.7
70.0	52.4	50.3	52.1	50.4	52.7	51.5	53.8	48.8	48.5
75.0	39.5	37.4	40.1	37.3	40.9	38.5	40.7	36.5	36.8
80.0	27.4	24.8	28.1	24.3	28.9	29.2	28.8	23.9	25.0
85.0	16.0	12.3	16.2	11.9	16.8	13.4	17.3	12.5	14.5
90.0	5.08	3.15	5.81	3.42	6.19	3.21	5.78	3.08	4.59
95.0	2.88	1.81	3.27	2.59	3.38	1.76	2.97	1.66	2.35
100.0	1.94	1.46	2.64	2.11	2.72	1.40	1.95	0.84	1.51
105.0	1.53	1.27	2.29	1.72	2.34	1.34	1.61	0.84	1.39
110.0	1.42	0.98	1.71	1.30	1.72	0.98	1.43	0.97	1.41
115.0	1.47	1.13	1.50	1.14	1.50	1.12	1.48	1.12	1.47
120.0	1.56	1.31	1.58	1.31	1.57	1.29	1.55	1.29	1.56
125.0	1.71	1.53	1.70	1.52	1.69	1.50	1.68	1.51	1.69
130.0	1.98	1.90	1.95	1.88	1.93	1.85	1.92	1.86	1.93
135.0	2.53	2.59	2.47	2.55	2.44	2.51	2.42	2.52	2.45
140.0	3.51	3.70	3.45	3.64	3.42	3.61	3.39	3.61	3.41
145.0	4.93	5.20	4.83	5.06	4.79	5.10	4.79	5.10	4.78
150.0	6.50	6.76	6.29	6.49	6.23	6.63	6.34	6.65	6.23
155.0	7.85	7.94	7.56	7.62	7.48	7.81	7.70	7.83	7.47
160.0	8.53	8.50	8.34	8.30	8.28	8.41	8.46	8.41	8.23
165.0	8.49	8.34	8.46	8.35	8.46	8.33	8.50	8.32	8.37
170.0	7.91	7.73	8.00	7.92	8.08	7.80	8.02	7.77	7.95
175.0	7.28	7.20	7.46	7.46	7.51	7.26	7.44	7.18	7.37
180.0	7.06	7.10	7.19	7.28	7.19	7.10	7.12	6.99	7.11

Temperature:25.3'C
 Operators:
 Test Date:13-08-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 0,2% Flickering. Temp 47.1C