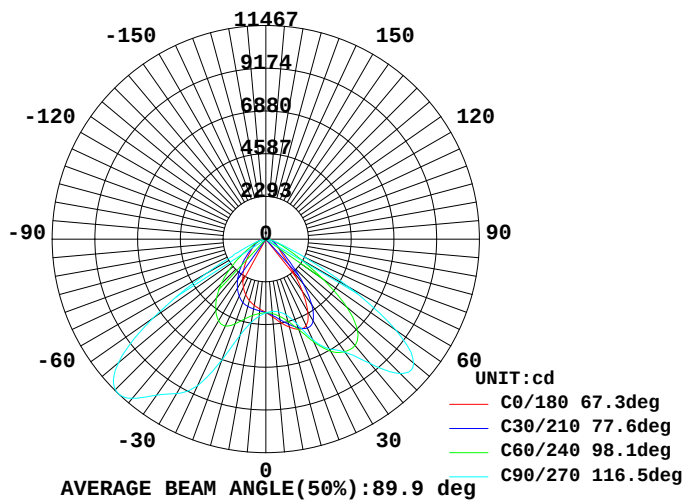


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 90-150W SH 5000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4808	DIMENSION: 820x120x70	SERIAL No.:

MODEL:		Imax(cd):	12599	Effective Flux(lm):	14808.1
NOMINAL POWER(W):	92	MAXIMUM(C, γ):	105, 43.0	EEI	0.084
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.1
NOMINAL FLUX(lm):	14808.1	η street_up(%):	0.6	Current(A)	0.430
TEST FLUX(lm):	14808.1	η street_down(%):	50.7	Power(W)	91.57
LAMPS QUANTITY:	1	η house_up(%)	0.6	Power Factor	0.965
TOTAL RADIANT(mw):	14808.1	η house_down(%)	48.0	EEFICIENCY(lm/W)	161.7



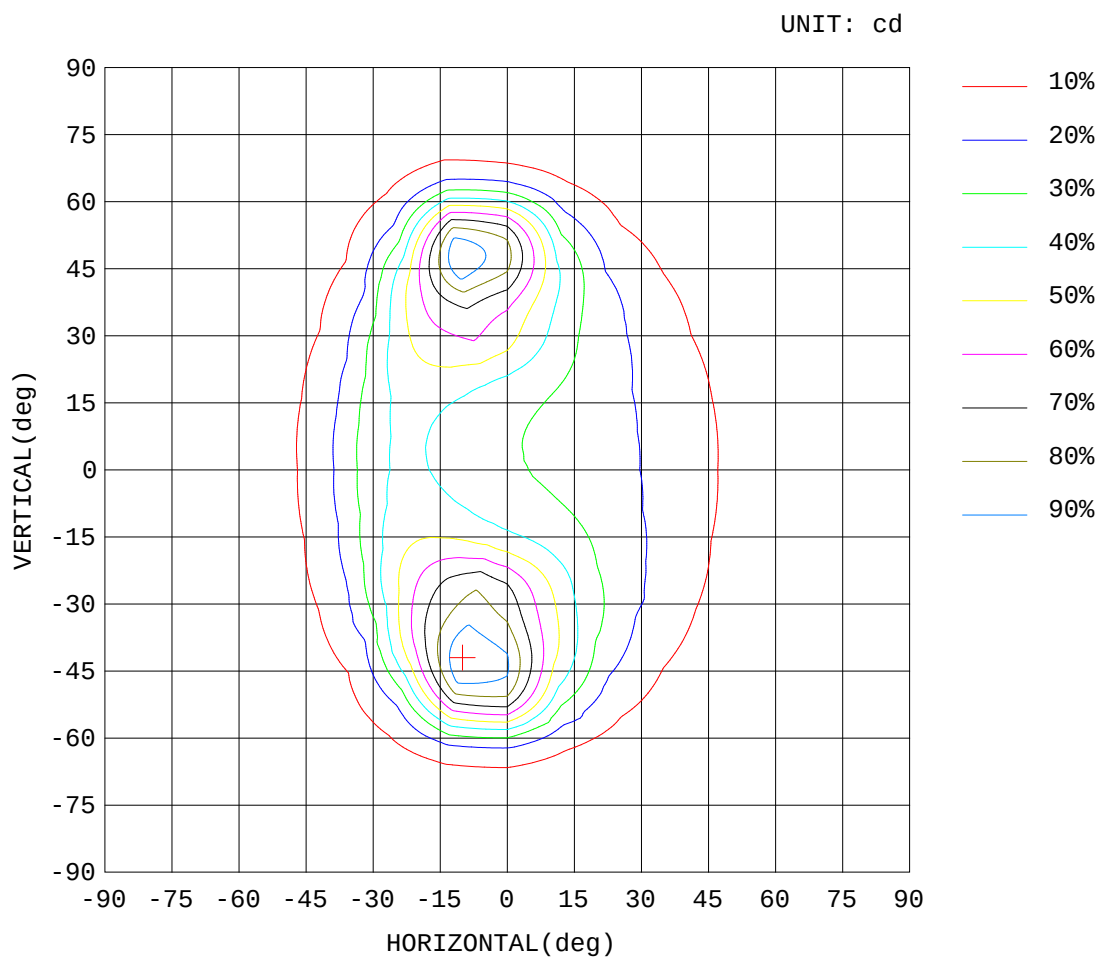
Temperature: 25.3°C
Operators:
Test Date: 07-06-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 69Ra. Flickering 0.4% Temp. 53.0C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 90-150W SH 5000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4808	DIMENSION: 820x120x70	SERIAL No.:



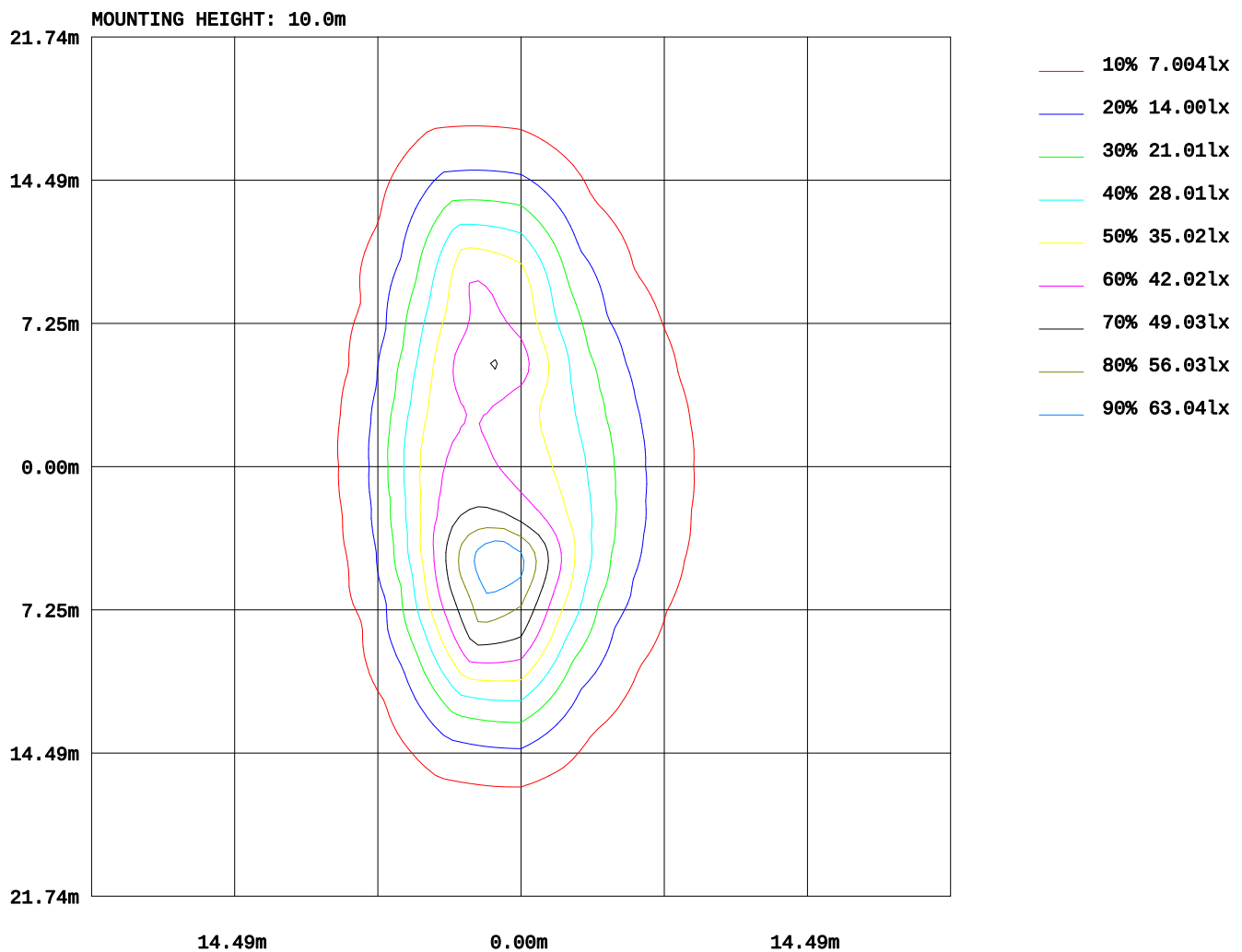
Temperature: 25.3°C
 Operators:
 Test Date: 07-06-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 69Ra. Flickering 0.4% Temp. 53.0C

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 90-150W SH 5000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4808	DIMENSION: 820x120x70	SERIAL No.:



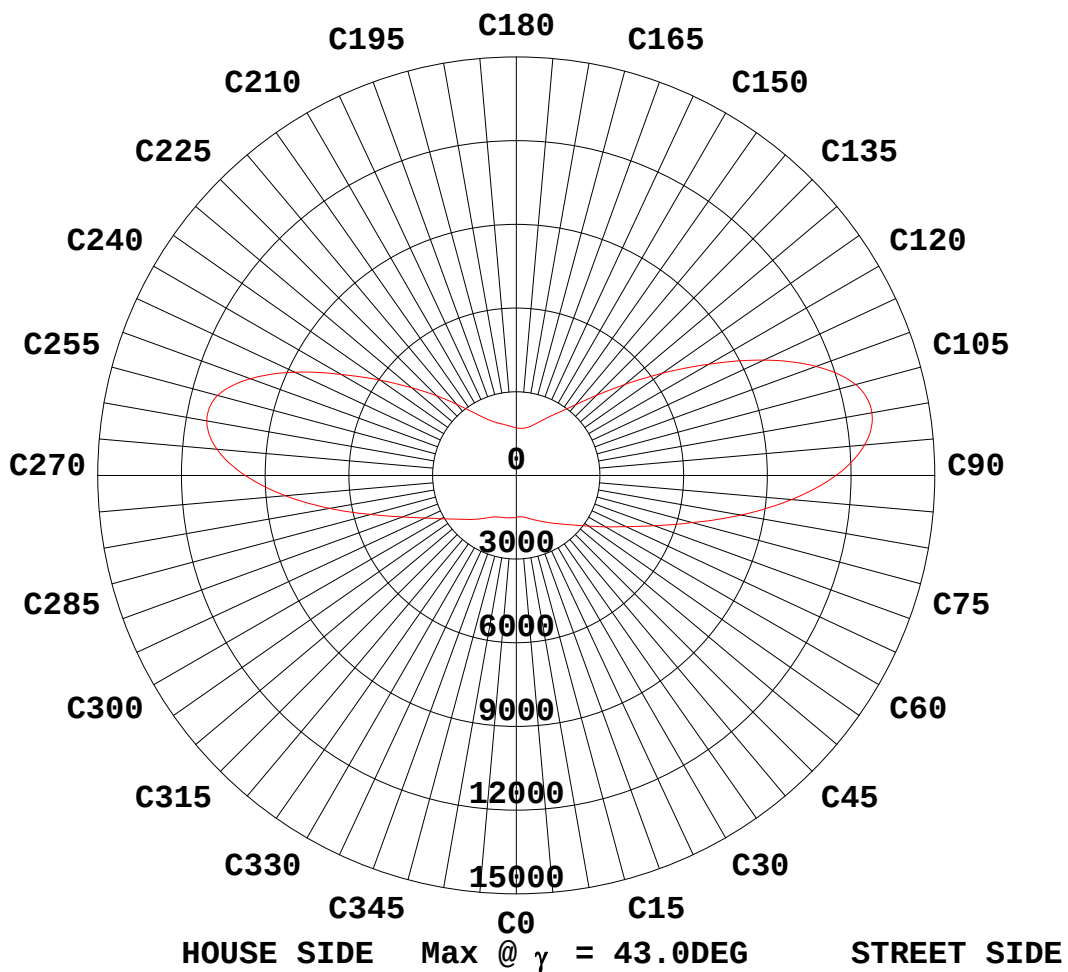
Temperature: 25.3°C
 Operators:
 Test Date: 07-06-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 69Ra. Flickering 0.4% Temp. 53.0C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 90-150W SH 5000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4808	DIMENSION: 820x120x70	SERIAL No.:



Temperature: 25.3°C
Operators:
Test Date: 07-06-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 69Ra. Flickering 0.4% Temp. 53.0C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 90-150W SH 5000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4808	DIMENSION: 820x120x70	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	394	393	395	394	396	396	396	397	395	396	394	395	394	393	395
5.0	377	380	386	393	401	409	415	422	423	426	424	423	419	414	411
10.0	360	367	381	396	417	437	455	468	472	473	468	463	454	447	439
15.0	342	352	374	403	444	494	533	560	552	538	516	502	489	480	473
20.0	317	331	362	407	484	590	690	731	682	612	559	530	515	508	506
25.0	286	300	338	397	514	683	867	939	831	684	581	529	513	514	527
30.0	249	263	305	371	507	713	956	1046	907	705	547	468	451	468	507
35.0	211	223	264	332	468	709	1023	1121	915	639	448	358	343	365	430
40.0	173	181	220	282	412	688	1115	1232	869	500	321	237	226	248	314
45.0	138	143	173	223	339	616	1143	1242	733	340	205	151	145	160	201
50.0	110	113	131	166	256	492	1033	1072	518	207	133	106	104	111	130
55.0	91.0	90.7	99.2	117	180	334	741	739	307	128	95.2	82.3	82.7	85.7	92.1
60.0	77.4	75.1	77.8	83.6	116	195	373	385	172	86.9	73.3	67.8	69.7	70.6	70.6
65.0	68.3	62.6	63.0	61.8	75.0	104	161	162	102	62.8	58.8	56.8	59.0	59.4	56.6
70.0	59.2	49.6	50.6	46.4	51.6	59.2	78.6	76.8	65.0	46.6	47.8	46.2	49.6	49.1	45.2
75.0	43.6	34.3	37.9	33.2	35.8	36.2	44.2	43.5	42.5	34.1	37.1	34.9	35.0	37.7	34.6
80.0	31.4	20.9	24.9	17.8	18.0	20.2	24.6	23.1	26.3	20.3	25.6	23.8	29.4	29.2	22.5
85.0	16.2	9.03	12.5	8.08	12.1	8.82	12.3	10.1	14.0	9.70	14.5	10.7	13.3	16.9	11.1
90.0	2.26	0.71	2.73	1.13	3.79	1.80	3.32	1.89	3.96	1.42	3.75	0.97	0.95	4.58	1.64
95.0	1.42	0.59	1.42	0.81	1.91	1.44	2.21	1.04	1.64	0.62	1.42	0.57	0.60	1.45	0.59
100.0	1.33	0.70	1.39	1.12	2.19	2.02	2.55	1.47	1.67	0.78	1.36	0.68	0.71	1.36	0.73
105.0	1.33	0.85	1.50	1.56	2.64	2.63	3.02	1.99	1.85	0.98	1.37	0.81	0.85	1.36	0.89
110.0	1.41	1.07	1.72	2.06	3.14	3.19	3.51	2.52	2.13	1.22	1.44	0.96	0.99	1.42	1.08
115.0	1.57	1.38	2.05	2.62	3.62	3.66	3.94	3.04	2.47	1.50	1.56	1.13	1.18	1.53	1.32
120.0	1.85	1.78	2.48	3.12	4.01	3.94	4.26	3.45	2.83	1.81	1.72	1.34	1.39	1.69	1.60
125.0	2.22	2.22	2.95	3.59	4.26	4.08	4.42	3.73	3.17	2.14	1.93	1.58	1.63	1.89	1.91
130.0	2.64	2.70	3.40	3.98	4.42	4.17	4.48	3.92	3.44	2.46	2.16	1.84	1.91	2.13	2.25
135.0	3.09	3.17	3.81	4.31	4.60	4.28	4.50	4.03	3.68	2.77	2.41	2.12	2.20	2.39	2.60
140.0	3.54	3.62	4.17	4.58	4.80	4.49	4.59	4.17	3.86	3.04	2.68	2.42	2.49	2.68	2.93
145.0	3.94	4.01	4.45	4.76	5.01	4.80	4.81	4.38	4.01	3.29	2.95	2.74	2.81	2.99	3.27
150.0	4.29	4.32	4.67	4.91	5.21	5.13	5.11	4.62	4.17	3.54	3.23	3.08	3.16	3.32	3.60
155.0	4.58	4.60	4.87	5.05	5.40	5.38	5.31	4.80	4.36	3.81	3.54	3.47	3.54	3.68	3.90
160.0	4.86	4.86	5.04	5.17	5.49	5.47	5.38	4.89	4.52	4.09	3.86	3.88	3.98	4.03	4.19
165.0	5.18	5.09	5.21	5.25	5.50	5.43	5.40	4.95	4.69	4.38	4.23	4.30	4.45	4.39	4.48
170.0	5.45	5.27	5.33	5.29	5.47	5.36	5.41	5.05	4.90	4.72	4.62	4.73	4.89	4.74	4.77
175.0	5.58	5.31	5.37	5.29	5.43	5.33	5.46	5.20	5.14	5.07	5.00	5.11	5.26	5.03	5.02
180.0	5.51	5.26	5.28	5.24	5.38	5.37	5.58	5.41	5.41	5.37	5.36	5.40	5.50	5.27	5.22

Temperature:25.3'C
Operators:
Test Date:07-06-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. Flickering 0.4% Temp. 53.0C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 90-150W SH 5000K		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4808	DIMENSION: 820x120x70	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	394	396	396	396	397	395	396	394	395
5.0	405	401	395	390	385	380	378	375	375
10.0	429	420	408	397	385	373	366	359	358
15.0	465	457	440	422	397	374	357	343	340
20.0	508	516	512	482	429	381	348	325	317
25.0	556	607	645	593	484	390	334	300	287
30.0	587	695	760	679	521	388	314	275	253
35.0	566	737	836	740	530	369	285	235	216
40.0	478	745	981	871	539	337	248	196	178
45.0	352	696	1186	1021	533	291	205	157	144
50.0	213	567	1229	1036	464	232	159	122	115
55.0	140	377	1014	854	342	167	117	93.9	93.3
60.0	95.0	216	630	511	212	111	85.7	74.7	78.2
65.0	68.6	127	285	231	127	72.9	64.6	61.0	66.4
70.0	50.8	76.7	125	102	72.2	49.1	49.4	48.5	54.9
75.0	37.2	46.2	63.6	51.5	43.5	33.2	36.4	35.5	39.5
80.0	24.3	25.7	33.7	24.8	26.0	19.2	18.1	21.7	27.3
85.0	14.1	11.6	17.0	10.1	13.9	8.98	11.7	9.30	15.1
90.0	4.40	2.05	5.12	1.53	4.01	1.76	3.09	1.08	3.48
95.0	1.49	0.76	1.98	1.23	2.04	1.01	1.52	0.65	1.42
100.0	1.46	1.02	2.13	1.80	2.38	1.47	1.59	0.80	1.34
105.0	1.54	1.40	2.50	2.46	2.89	2.07	1.84	1.04	1.36
110.0	1.71	1.85	3.01	3.14	3.50	2.73	2.27	1.38	1.47
115.0	1.97	2.38	3.58	3.80	4.11	3.42	2.82	1.85	1.70
120.0	2.29	2.91	4.10	4.34	4.60	4.03	3.41	2.41	2.03
125.0	2.66	3.38	4.53	4.69	4.93	4.46	3.97	3.00	2.48
130.0	3.02	3.78	4.81	4.89	5.10	4.74	4.45	3.58	2.97
135.0	3.37	4.10	4.96	4.96	5.18	4.96	4.84	4.10	3.48
140.0	3.68	4.30	5.04	5.01	5.27	5.15	5.15	4.52	3.98
145.0	3.92	4.46	5.11	5.14	5.41	5.35	5.38	4.86	4.40
150.0	4.14	4.60	5.25	5.36	5.66	5.54	5.54	5.13	4.76
155.0	4.35	4.74	5.38	5.55	5.92	5.73	5.68	5.32	5.03
160.0	4.54	4.88	5.48	5.70	6.09	5.84	5.79	5.48	5.26
165.0	4.74	5.01	5.53	5.76	6.10	5.87	5.86	5.58	5.46
170.0	4.93	5.12	5.54	5.71	5.96	5.76	5.82	5.62	5.59
175.0	5.13	5.21	5.50	5.60	5.75	5.57	5.69	5.53	5.61
180.0	5.29	5.30	5.47	5.51	5.50	5.38	5.44	5.36	5.45

Temperature: 25.3°C
Operators:
Test Date: 07-06-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 69Ra. Flickering 0.4% Temp. 53.0C