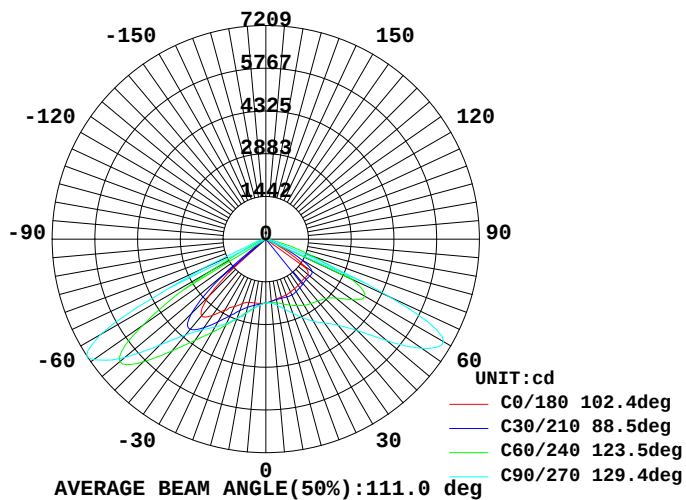


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K K1109GL SH New		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4770	DIMENSION: 521x128x40	SERIAL No.:

MODEL:		Imax(cd):	8198	Effective Flux(lm):	11560.3
NOMINAL POWER(W):	60	MAXIMUM(C, γ):	285, 59.0	EEI	0.071
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	11560.3	η street_up(%):	0.6	Current(A)	0.280
TEST FLUX(lm):	11560.3	η street_down(%):	49.0	Power(W)	60.52
LAMPS QUANTITY:	1	η house_up(%)	0.6	Power Factor	0.978
TOTAL RADIANT(mw):	11560.3	η house_down(%)	49.8	EEFICIENCY(lm/W)	191.0



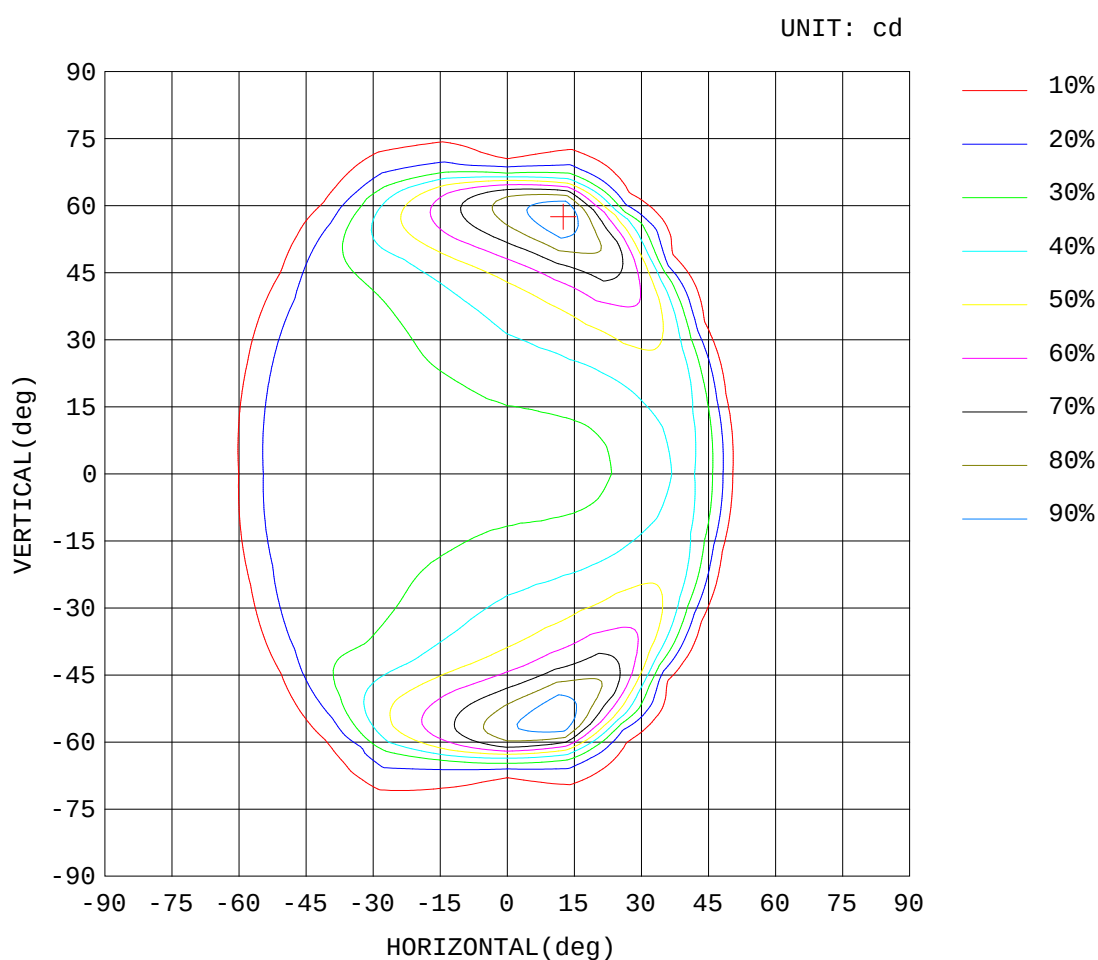
Temperature:25.3'C
 Operators:
 Test Date:17-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity:65.0%
 Test Distance:10.000 m
 Remarks: 71Ra. 0.1% Flickering. Temp 37.3

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K K1109GL SH New		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4770	DIMENSION: 521x128x40	SERIAL No.:



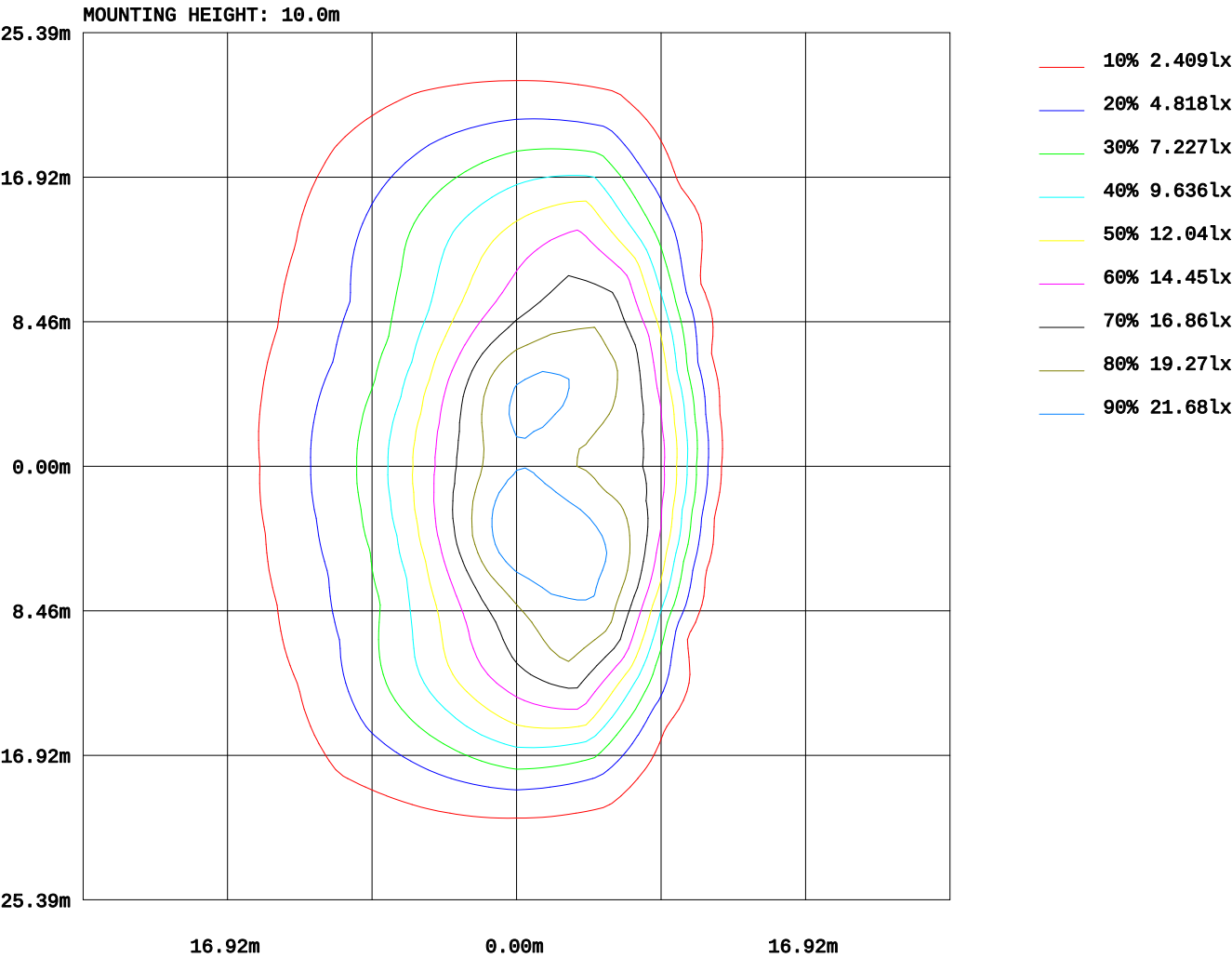
Temperature:25.3'C
Operators:
Test Date:17-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 71Ra. 0.1% Flickering. Temp 37.3

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K K1109GL SH New		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4770	DIMENSION: 521x128x40	SERIAL No.:



Temperature:25.3'C
Operators:
Test Date:17-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 71Ra. 0.1% Flickering. Temp 37.3

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:															
Address:															
NAME: Optimus 3Mx1L 60W 5000K K1109GL SH New								TYPE:				WEIGHT:			
SPECIFICATION:				CCT(K): 4770				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	2157	2158	2154	2159	2155	2160	2157	2158	2157	2155	2155	2153	2157	2158	2154
5.0	2179	2191	2205	2224	2230	2240	2230	2220	2195	2169	2144	2122	2113	2110	2110
10.0	2188	2221	2269	2328	2369	2397	2386	2333	2288	2213	2139	2080	2055	2053	2073
15.0	2211	2277	2381	2491	2567	2613	2594	2527	2406	2270	2149	2062	2025	2028	2066
20.0	2318	2410	2566	2740	2850	2895	2850	2722	2528	2328	2167	2054	2007	2017	2075
25.0	2512	2637	2853	3058	3208	3235	3138	2934	2652	2383	2176	2030	1968	1991	2082
30.0	2755	2925	3215	3479	3630	3605	3429	3138	2763	2412	2136	1982	1936	1958	2045
35.0	3141	3290	3652	4021	4173	4047	3737	3332	2852	2391	2082	1942	1905	1928	2003
40.0	3372	3486	3972	4580	4925	4734	4232	3643	2986	2376	2040	1898	1870	1894	1960
45.0	2730	2759	3562	4803	5853	5777	5050	4178	3209	2407	2012	1875	1858	1875	1927
50.0	943	941	1811	3660	6432	7240	6222	5028	3668	2515	2031	1875	1857	1890	1937
55.0	272	250	358	1100	5053	8164	7091	5599	4191	2667	1971	1655	1588	1726	1905
60.0	240	218	251	309	2185	6445	6451	5200	4088	2334	1392	943	827	1055	1406
65.0	199	170	213	201	619	2277	2285	2396	2682	1257	544	238	208	304	567
70.0	159	129	160	155	286	843	536	947	1388	438	178	149	146	183	179
75.0	123	94.7	118	102	163	215	317	402	442	113	132	101	99.0	130	116
80.0	87.0	62.4	70.5	51.3	86.5	79.0	125	77.7	113	71.3	77.7	61.1	70.8	86.0	67.1
85.0	49.3	31.6	34.4	22.2	42.0	43.2	61.7	35.9	54.0	36.7	46.3	30.0	34.0	49.2	34.9
90.0	14.8	5.50	13.7	8.40	19.9	16.7	27.0	12.0	20.4	7.60	17.0	5.80	5.50	17.6	9.40
95.0	11.5	6.20	12.6	9.90	18.6	15.2	23.1	15.2	19.2	8.50	11.8	5.30	5.10	10.7	5.40
100.0	12.0	7.80	13.7	12.5	20.8	19.5	26.4	19.7	21.9	11.8	12.5	6.40	6.10	10.5	7.10
105.0	12.9	9.60	15.2	15.0	23.2	23.6	30.1	24.2	25.0	15.5	14.2	8.20	8.00	11.5	9.80
110.0	14.1	11.5	16.9	17.4	25.6	26.9	33.5	28.0	28.2	19.3	16.6	10.8	10.1	13.5	13.0
115.0	15.6	13.5	18.6	19.4	27.1	28.9	35.5	30.1	31.0	22.7	19.5	13.7	13.0	16.0	16.7
120.0	17.1	15.2	20.1	21.1	28.0	29.6	36.0	30.7	32.2	25.4	22.4	16.6	16.3	18.7	20.2
125.0	18.4	16.9	21.4	23.1	29.4	30.7	36.1	31.2	32.7	27.2	24.6	19.5	19.4	21.5	22.9
130.0	19.5	18.4	22.7	24.6	30.8	32.3	36.3	31.6	32.9	28.0	26.4	22.1	22.3	24.0	25.2
135.0	20.7	19.7	23.9	26.1	32.5	34.2	37.5	32.4	32.6	28.0	27.5	24.0	24.6	26.0	26.4
140.0	21.7	21.2	24.9	27.2	33.8	36.0	39.2	34.2	33.3	28.5	27.7	25.2	26.1	27.2	27.1
145.0	23.4	22.7	26.0	28.0	34.5	36.7	40.5	36.2	34.7	29.8	28.5	26.6	27.2	28.2	27.7
150.0	24.7	24.2	26.9	28.2	34.0	35.7	40.2	36.7	35.9	31.2	30.0	28.4	28.4	29.6	29.1
155.0	25.9	25.2	27.4	28.0	32.7	33.7	37.9	35.5	36.0	32.5	31.9	30.7	30.3	31.5	30.7
160.0	26.8	26.1	27.7	28.0	31.5	31.7	35.5	33.5	35.2	32.9	33.1	32.3	32.0	33.0	32.1
165.0	27.5	26.8	28.0	28.0	30.8	30.7	33.7	32.0	34.0	32.5	33.5	32.7	32.9	33.5	32.3
170.0	28.7	27.5	28.6	28.5	30.5	30.1	32.6	31.0	32.9	31.7	33.0	32.3	32.6	33.1	31.7
175.0	29.6	28.7	29.3	29.1	30.5	30.1	32.2	30.5	32.1	31.0	32.1	31.2	31.7	32.0	30.7
180.0	30.7	29.9	30.3	30.0	31.0	30.5	32.0	30.7	31.5	30.7	31.0	30.4	31.0	30.5	29.9

Temperature:25.3'C
Operators:
Test Date:17-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 71Ra. 0.1% Flickering. Temp 37.3

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K K1109GL SH New		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4770	DIMENSION: 521x128x40	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	2159	2155	2160	2157	2158	2157	2155	2155	2153
5.0	2126	2141	2158	2171	2174	2177	2172	2171	2169
10.0	2122	2182	2234	2271	2273	2266	2232	2202	2180
15.0	2153	2271	2370	2443	2446	2422	2353	2278	2213
20.0	2199	2370	2542	2663	2737	2655	2555	2419	2323
25.0	2249	2477	2732	2922	2991	2974	2837	2670	2541
30.0	2280	2583	2922	3201	3335	3363	3215	3007	2807
35.0	2260	2652	3085	3454	3706	3825	3710	3420	3188
40.0	2231	2726	3287	3793	4213	4446	4279	3781	3463
45.0	2229	2843	3623	4369	4997	5306	4722	3618	2984
50.0	2273	3092	4257	5320	6259	6182	4329	2228	1280
55.0	2391	3562	5093	6425	7715	6034	2306	465	293
60.0	2332	3852	5432	6921	8069	3905	515	237	242
65.0	1497	3185	4310	4626	4825	1093	252	200	205
70.0	559	1647	1737	950	1575	399	199	149	154
75.0	174	672	786	392	569	181	156	108	118
80.0	95.2	109	151	152	166	90.9	93.0	64.0	82.2
85.0	72.1	54.4	79.9	64.8	85.7	42.2	48.2	28.4	49.5
90.0	25.7	11.8	34.9	22.4	52.7	14.5	22.4	8.70	19.2
95.0	13.6	10.3	20.6	14.0	22.1	11.9	15.6	8.20	12.5
100.0	15.0	14.4	23.5	19.0	24.2	15.4	17.2	10.2	13.0
105.0	17.8	18.7	27.1	23.9	27.4	19.0	19.2	12.6	13.9
110.0	21.2	22.9	30.7	28.2	30.7	22.1	21.2	14.9	15.4
115.0	24.7	26.6	33.7	31.4	33.1	24.6	23.1	17.0	17.0
120.0	27.5	28.7	34.7	32.7	34.2	26.0	24.5	19.0	18.5
125.0	29.6	29.6	34.7	33.1	34.5	27.2	26.0	20.7	19.9
130.0	30.8	30.5	35.0	33.5	35.1	29.1	27.5	22.4	21.1
135.0	31.2	30.4	34.7	34.2	36.3	31.0	29.1	23.8	22.3
140.0	30.8	30.8	35.5	35.7	38.0	32.7	30.4	25.0	23.5
145.0	31.2	32.3	37.0	37.5	39.5	34.0	31.5	26.3	24.9
150.0	32.4	33.7	38.5	38.2	40.0	34.0	31.9	27.2	26.1
155.0	33.5	34.2	38.6	36.8	38.5	33.0	31.5	27.7	27.0
160.0	34.2	33.7	37.0	34.5	36.1	31.6	30.8	28.0	27.5
165.0	34.0	32.7	35.0	32.7	34.2	30.7	30.5	28.2	28.2
170.0	33.0	31.5	33.2	31.6	32.9	30.4	30.5	28.7	28.7
175.0	31.9	30.5	32.2	31.0	32.1	30.3	30.7	29.4	29.6
180.0	30.8	30.1	31.5	31.2	31.7	30.7	31.0	30.5	30.7

Temperature:25.3'C
Operators:
Test Date:17-01-2023

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 71Ra. 0.1% Flickering. Temp 37.3