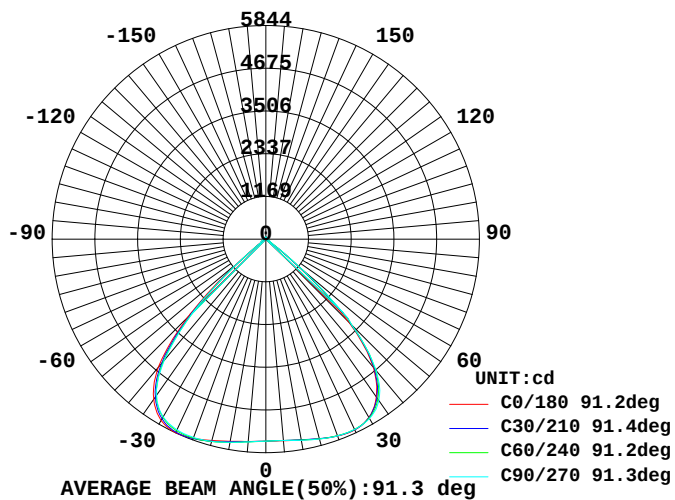


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K 90		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4843	DIMENSION: 521x128x40	SERIAL No.:

MODEL:		Imax(cd):	5844	Effective Flux(lm):	10960.7
NOMINAL POWER(W):	60	MAXIMUM(C, γ):	0, 25.0	EEI	0.076
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	10960.7	η street_up(%):	0.6	Current(A)	0.278
TEST FLUX(lm):	10960.7	η street_down(%):	48.0	Power(W)	60.77
LAMPS QUANTITY:	1	η house_up(%)	0.6	Power Factor	0.989
TOTAL RADIANT(mw):	10960.7	η house_down(%):	50.7	EEFICIENCY(lm/W)	180.4



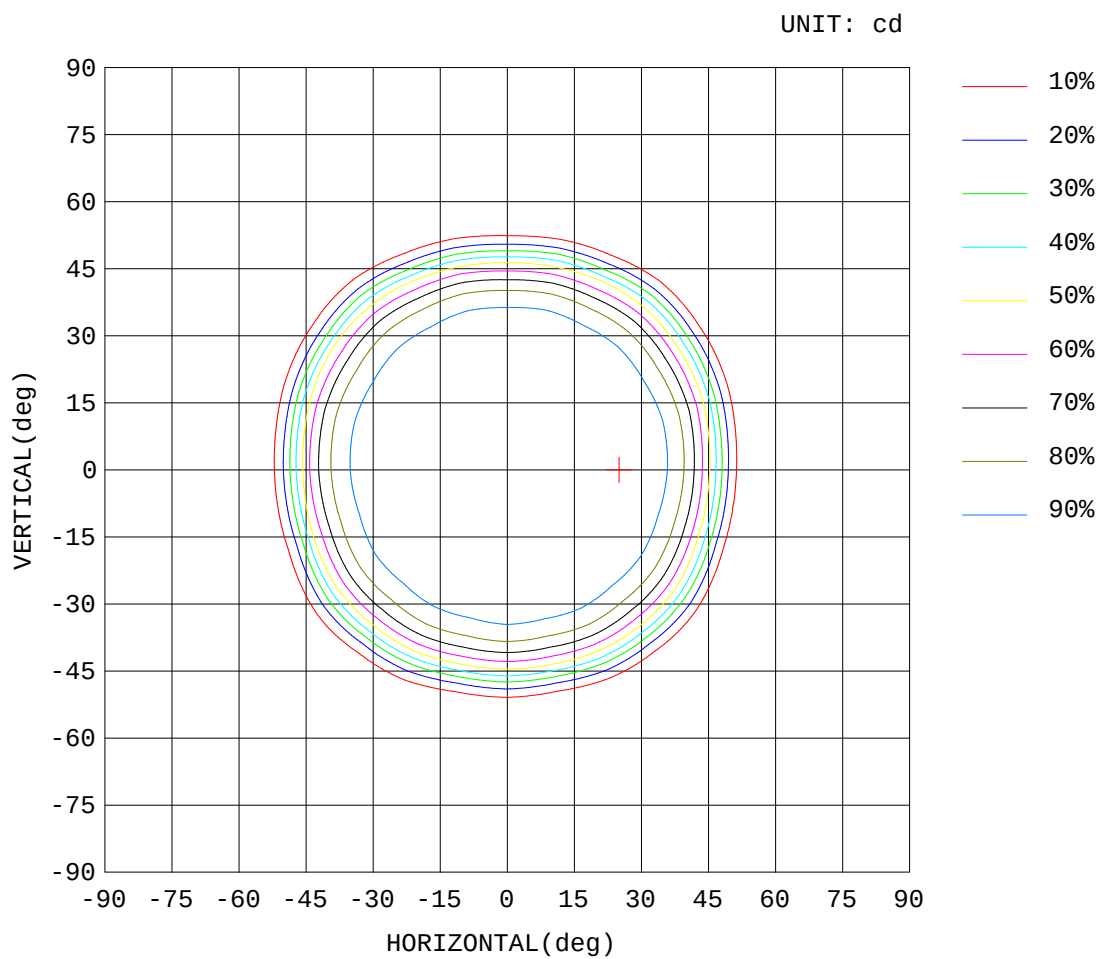
Temperature:25.3'C
Operators:
Test Date:26-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. Flickering 0.6% Temp. 46.0C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K 90		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4843	DIMENSION: 521x128x40	SERIAL No.:



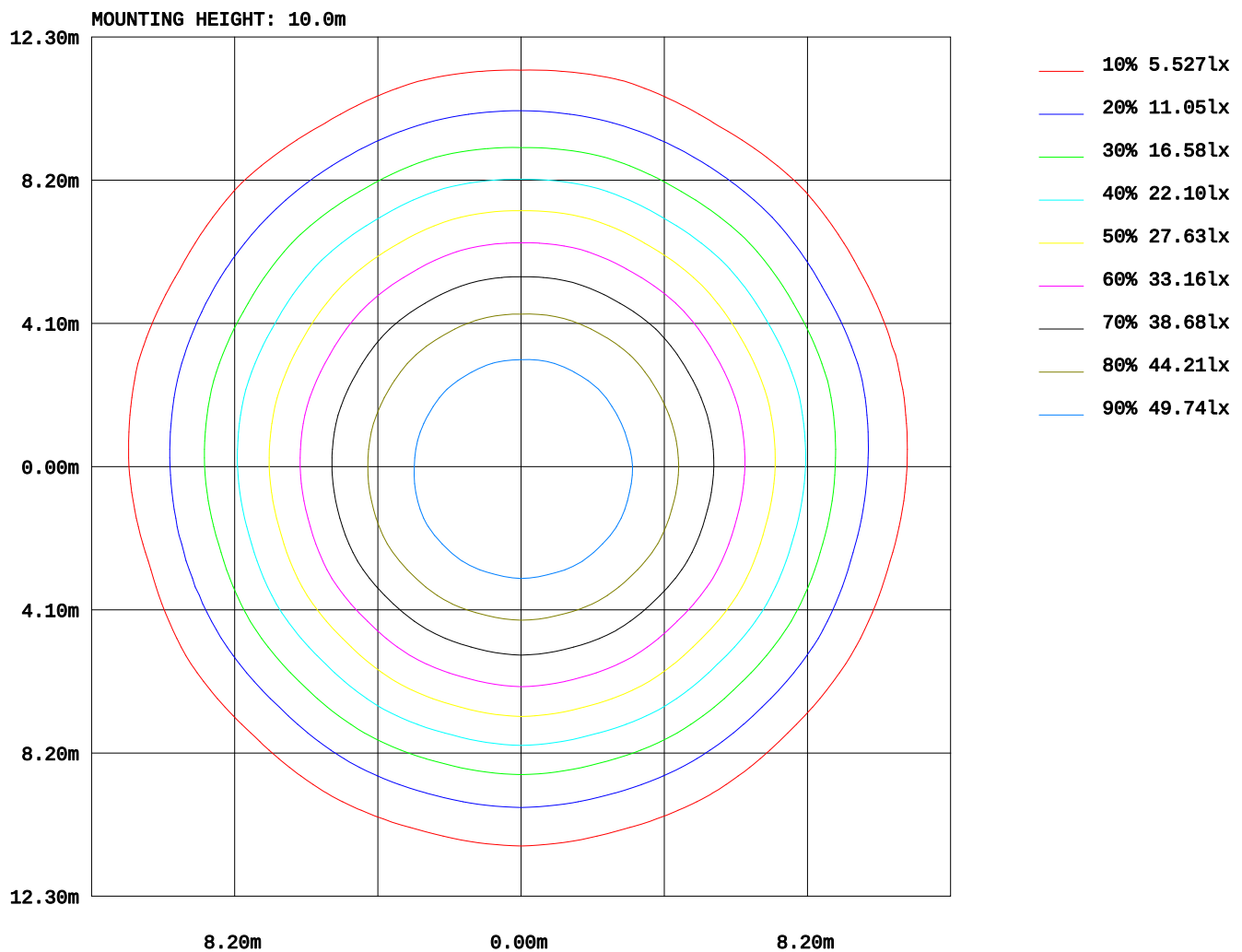
Temperature:25.3'C
Operators:
Test Date:26-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. Flickering 0.6% Temp. 46.0C

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K 90		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4843	DIMENSION: 521x128x40	SERIAL No.:



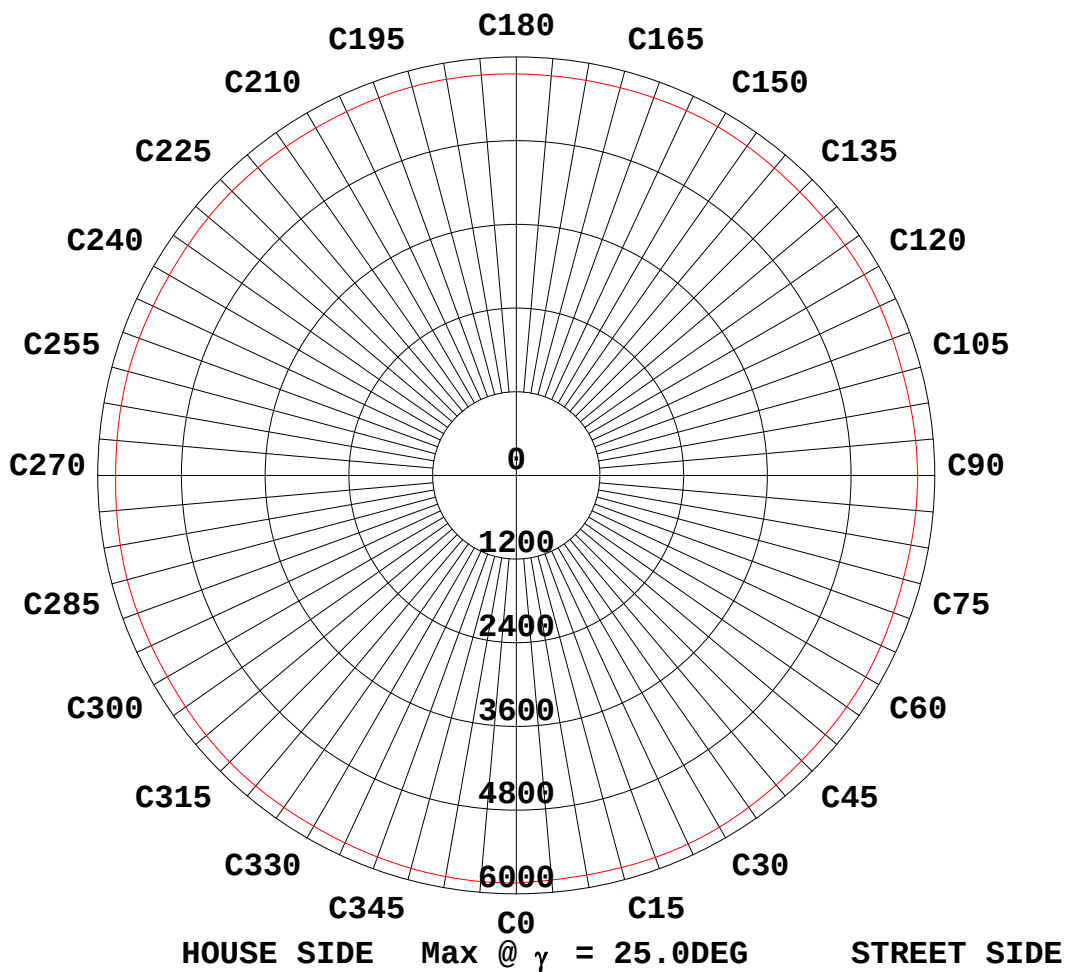
Temperature: 25.3°C
Operators:
Test Date: 26-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 69Ra. Flickering 0.6% Temp. 46.0C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K 90		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4843	DIMENSION: 521x128x40	SERIAL No.:



Temperature: 25.3°C
Operators:
Test Date: 26-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: 69Ra. Flickering 0.6% Temp. 46.0C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K 90		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4843	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	5527	5525	5525	5527	5526	5524	5525	5525	5524	5524	5523	5521	5527	5525	5525
5.0	5556	5554	5560	5563	5568	5566	5568	5564	5561	5554	5547	5538	5536	5533	5529
10.0	5616	5617	5631	5638	5647	5643	5643	5636	5635	5621	5612	5594	5580	5578	5572
15.0	5701	5706	5722	5726	5732	5724	5727	5716	5717	5706	5700	5678	5655	5652	5650
20.0	5795	5791	5808	5792	5793	5768	5775	5762	5777	5766	5772	5751	5733	5735	5726
25.0	5844	5819	5823	5784	5782	5743	5754	5732	5758	5747	5775	5756	5757	5770	5753
30.0	5727	5673	5680	5618	5635	5591	5616	5571	5598	5570	5617	5597	5633	5666	5639
35.0	5348	5267	5267	5190	5221	5175	5212	5152	5177	5140	5208	5195	5273	5321	5301
40.0	4583	4436	4437	4315	4367	4244	4328	4245	4356	4304	4450	4423	4578	4652	4618
45.0	3029	2835	2881	2710	2783	2683	2784	2693	2815	2751	2978	3119	3215	3374	3288
50.0	933	766	798	679	763	697	808	737	852	807	961	938	1193	1338	1262
55.0	173	164	183	160	182	162	181	163	178	163	171	171	196	251	200
60.0	146	121	146	123	147	125	149	126	149	125	147	123	124	153	129
65.0	114	95.5	117	99.1	118	99.6	120	101	121	101	118	96.8	97.5	120	103
70.0	87.4	72.1	92.9	77.2	94.5	76.4	94.3	78.1	96.9	78.8	94.3	73.4	73.1	93.4	80.0
75.0	60.9	50.3	69.4	56.0	71.2	54.0	67.1	55.9	73.2	57.7	70.8	51.2	49.5	68.9	58.7
80.0	45.7	31.5	47.2	33.0	47.6	32.3	43.2	33.8	49.2	34.5	48.5	32.7	37.7	47.2	38.9
85.0	31.2	16.2	25.7	15.6	26.0	15.6	28.4	16.0	27.2	16.5	27.2	18.6	23.5	31.5	19.2
90.0	9.90	3.30	10.3	3.30	10.8	3.50	10.8	3.60	11.2	3.40	11.0	3.30	3.50	13.7	4.50
95.0	8.60	3.70	8.50	3.60	8.50	3.60	8.50	3.60	8.60	3.60	8.60	3.60	3.70	8.60	3.50
100.0	8.70	4.80	8.60	4.70	8.40	4.50	8.40	4.50	8.40	4.50	8.50	4.60	4.70	8.50	4.40
105.0	9.70	6.70	9.60	6.50	9.40	6.40	9.30	6.40	9.40	6.50	9.40	6.50	6.80	9.40	6.20
110.0	11.8	9.60	11.7	9.40	11.5	9.30	11.5	9.30	11.5	9.30	11.5	9.40	9.70	11.5	9.09
115.0	14.8	13.4	14.7	13.2	14.5	13.0	14.5	13.0	14.5	13.0	14.5	13.2	13.6	14.7	13.0
120.0	18.6	17.5	18.6	17.6	18.5	17.5	18.4	17.5	18.5	17.5	18.5	17.4	18.2	18.7	17.6
125.0	22.7	22.0	22.7	22.2	22.7	22.2	22.7	22.2	22.9	22.3	22.7	22.0	23.1	23.1	22.3
130.0	27.1	26.4	26.4	26.1	26.8	26.6	27.1	26.6	26.8	26.3	26.6	26.6	28.0	27.5	26.8
135.0	31.2	30.5	30.1	29.6	30.1	30.5	31.0	30.4	30.3	29.9	30.5	31.0	32.6	31.7	31.0
140.0	35.0	34.4	33.7	33.3	33.5	33.8	34.2	33.7	33.5	33.7	34.2	35.0	36.5	35.7	34.9
145.0	38.4	38.0	37.0	37.0	36.8	37.4	37.0	37.0	36.8	37.4	37.9	38.9	40.0	39.5	38.8
150.0	42.0	41.8	40.7	41.1	40.7	41.4	40.4	40.7	40.4	41.1	41.6	42.8	43.7	43.2	42.6
155.0	46.2	46.3	45.2	45.6	45.4	46.5	44.8	45.2	44.6	45.6	46.0	47.7	48.0	47.6	46.9
160.0	50.8	51.0	49.9	50.8	50.1	51.7	49.7	50.4	49.3	50.8	50.8	52.6	52.7	52.0	51.5
165.0	55.4	55.0	54.2	55.0	54.9	56.0	54.7	54.7	54.2	55.0	55.2	56.6	57.2	56.1	55.8
170.0	58.8	57.9	57.5	58.2	58.3	59.2	58.7	58.0	57.7	58.2	58.3	59.2	60.2	59.1	58.4
175.0	61.0	59.7	59.6	59.8	60.2	60.7	61.1	60.0	59.7	59.7	60.1	60.3	61.7	60.5	60.0
180.0	62.0	60.7	60.6	60.6	60.9	61.0	62.4	60.9	60.6	60.3	60.7	60.7	62.1	60.9	60.5

Temperature:25.3'C
Operators:
Test Date:26-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. Flickering 0.6% Temp. 46.0C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Optimus 3Mx1L 60W 5000K 90		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 4843	DIMENSION: 521x128x40	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	5527	5526	5524	5525	5525	5524	5524	5523	5521
5.0	5529	5528	5531	5531	5535	5535	5538	5539	5542
10.0	5578	5581	5588	5587	5595	5593	5595	5591	5595
15.0	5659	5656	5660	5662	5674	5676	5682	5675	5679
20.0	5737	5723	5732	5727	5748	5747	5768	5763	5775
25.0	5767	5744	5758	5745	5775	5775	5813	5808	5832
30.0	5673	5651	5688	5667	5705	5685	5728	5707	5741
35.0	5357	5348	5414	5392	5428	5379	5406	5364	5399
40.0	4694	4671	4750	4699	4745	4670	4709	4641	4681
45.0	3411	3316	3442	3326	3411	3262	3342	3195	3265
50.0	1390	1314	1449	1349	1413	1241	1289	1133	1186
55.0	254	205	259	210	254	198	236	187	175
60.0	158	133	162	136	163	134	158	129	152
65.0	125	106	128	109	129	108	126	103	120
70.0	100	83.4	101	83.8	103	84.8	101	80.5	93.5
75.0	77.3	61.9	76.8	58.6	77.9	62.6	77.4	58.7	68.6
80.0	54.0	40.7	52.2	35.5	52.8	41.0	53.6	38.5	46.7
85.0	31.0	19.9	31.2	22.3	31.6	19.6	30.3	17.8	29.6
90.0	14.3	5.20	15.0	4.90	14.8	4.90	13.5	4.10	12.3
95.0	8.60	3.40	8.70	3.40	8.70	3.40	8.60	3.50	8.60
100.0	8.40	4.20	8.29	4.20	8.40	4.30	8.40	4.50	8.60
105.0	9.20	6.00	9.00	5.90	9.09	6.10	9.30	6.40	9.60
110.0	11.2	8.80	11.0	8.70	11.1	8.90	11.3	9.30	11.7
115.0	14.3	12.6	14.0	12.5	14.1	12.6	14.4	13.0	14.9
120.0	18.1	17.2	17.9	17.0	18.0	17.2	18.2	17.7	18.7
125.0	22.9	22.1	22.4	21.7	22.4	22.0	22.7	22.3	23.0
130.0	27.1	26.6	27.0	26.8	27.0	26.4	27.0	26.6	27.4
135.0	30.7	30.5	31.0	31.2	31.0	30.4	30.5	30.7	31.5
140.0	34.4	34.2	34.5	34.7	34.5	33.8	34.0	34.5	35.4
145.0	38.1	37.7	37.7	37.7	37.7	37.7	37.7	38.2	38.9
150.0	41.5	41.4	40.9	41.2	41.4	41.6	41.2	42.0	42.2
155.0	45.5	45.5	44.8	45.5	45.7	46.0	45.2	46.2	46.2
160.0	50.0	50.1	49.2	50.5	50.5	50.7	49.7	50.8	50.5
165.0	54.4	54.7	54.0	55.5	55.0	55.0	54.2	54.9	54.7
170.0	57.7	57.9	57.5	59.2	58.4	58.2	57.5	57.7	57.7
175.0	59.8	59.8	59.8	61.4	60.3	59.8	59.6	59.6	59.7
180.0	60.7	60.7	61.1	62.3	61.0	60.6	60.5	60.3	60.7

Temperature:25.3'C
Operators:
Test Date:26-04-2021

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. Flickering 0.6% Temp. 46.0C