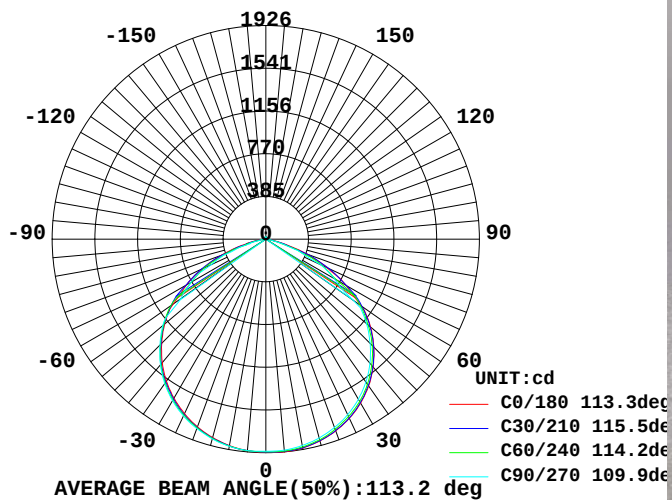


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 50W 240x210x31 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION: 240x210x31	SERIAL No.:

MODEL:		Imax(cd):	1926	Effective Flux(lm):	5341.6
NOMINAL POWER(W):	52	MAXIMUM(C, γ):	180, 3.0	EEI	0.132
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	5341.6	η street_up(%):	0.7	Current(A)	0.237
TEST FLUX(lm):	5341.6	η street_down(%):	49.1	Power(W)	51.70
LAMPS QUANTITY:	1	η house_up(%)	0.7	Power Factor	0.989
TOTAL RADIANT(mw):	5341.6	η house_down(%)	49.5	EEFICIENCY(lm/W)	103.3



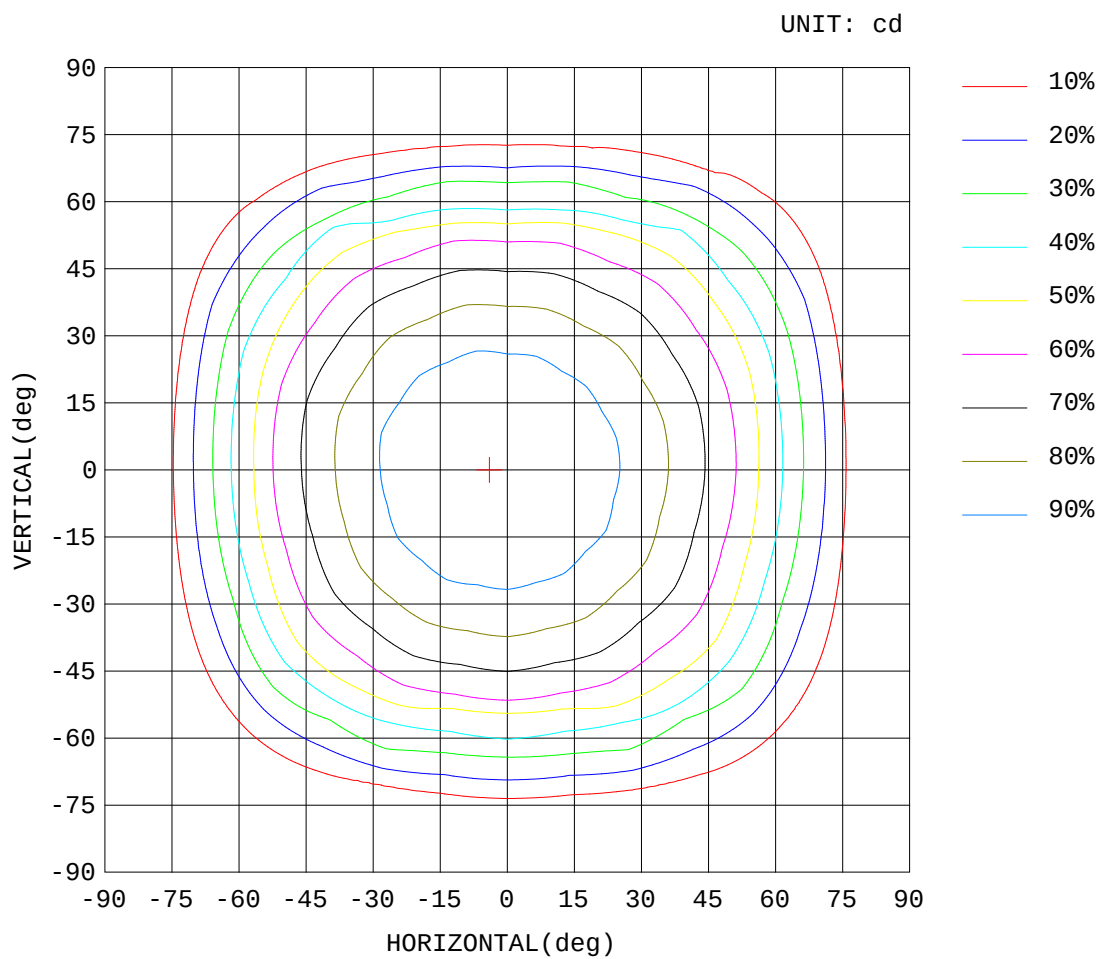
Temperature:25.3'C
Operators:
Test Date:06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. 100% Flickering. Temp 61.0C.

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 50W 240x210x31 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION: 240x210x31	SERIAL No.:



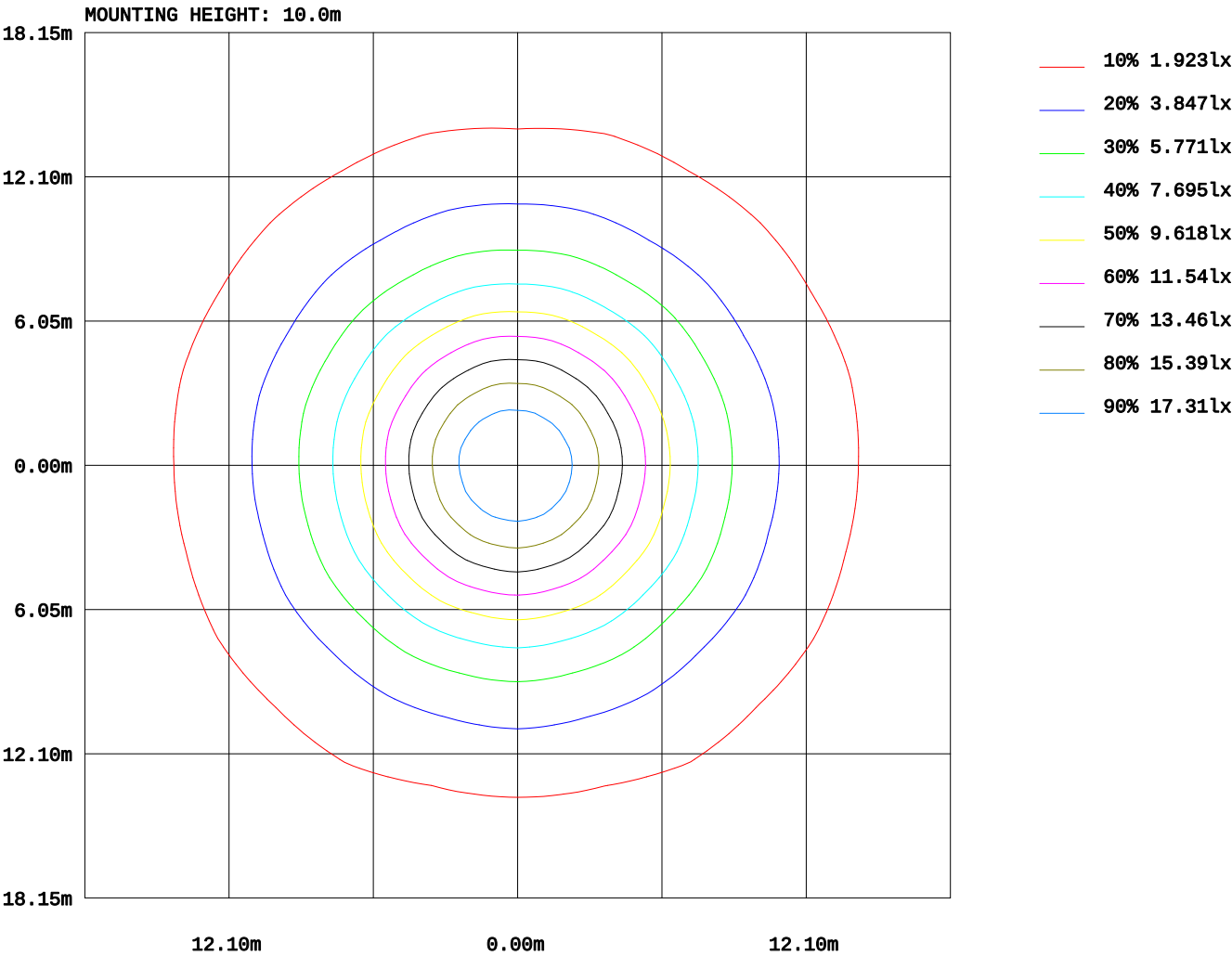
Temperature:25.3'C
Operators:
Test Date:06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. 100% Flickering. Temp 61.0C.

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 50W 240x210x31 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION: 240x210x31	SERIAL No.:



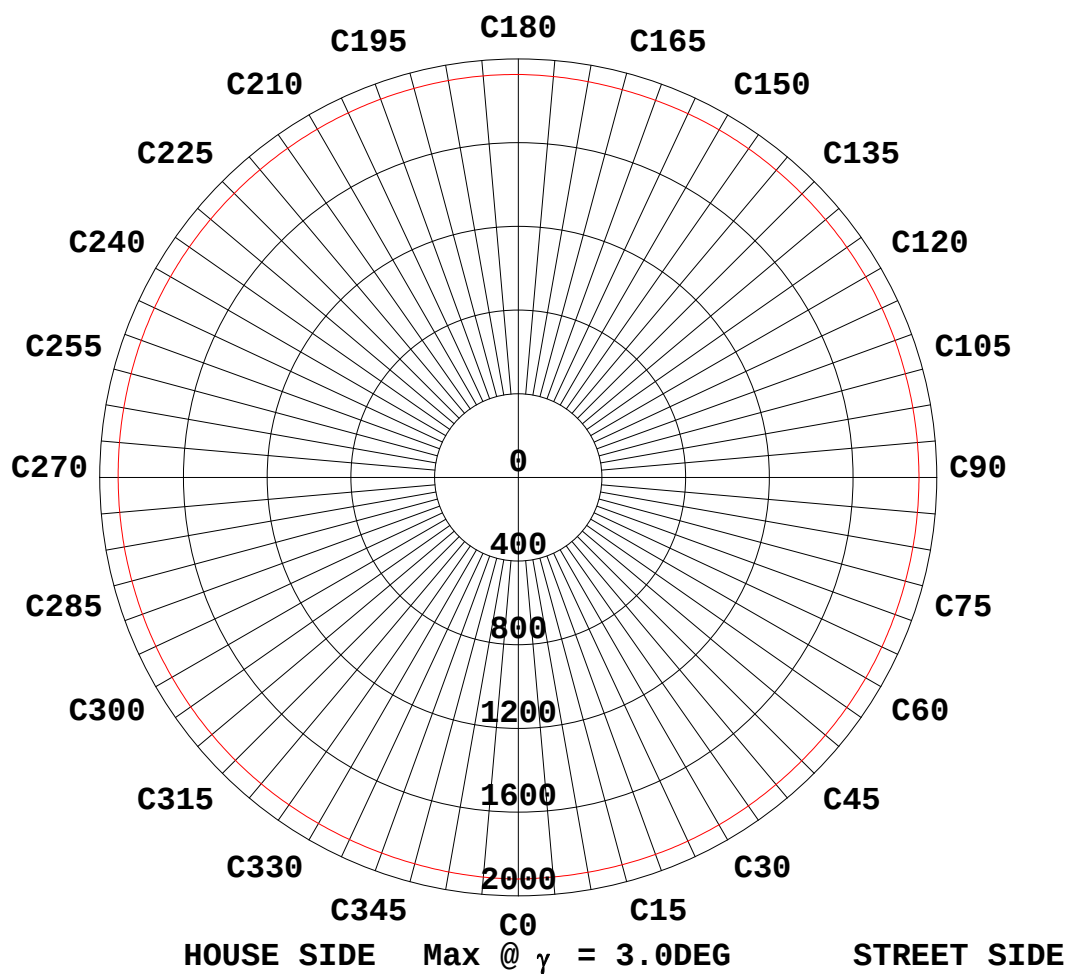
Temperature:25.3'C
Operators:
Test Date:06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. 100% Flickering. Temp 61.0C.

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 50W 240x210x31 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION: 240x210x31	SERIAL No.:



Temperature: 25.3°C
 Operators:
 Test Date: 06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 69Ra. 100% Flickering. Temp 61.0C.

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 50W 240x210x31 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION: 240x210x31	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	1924	1923	1921	1918	1919	1916	1913	1913	1914	1916	1915	1917	1924	1923	1921
5.0	1914	1911	1914	1912	1915	1912	1914	1914	1917	1917	1920	1918	1925	1925	1922
10.0	1890	1887	1894	1890	1895	1892	1897	1896	1903	1903	1910	1906	1912	1915	1910
15.0	1852	1850	1857	1851	1861	1858	1864	1864	1874	1873	1882	1877	1884	1891	1882
20.0	1802	1795	1808	1800	1811	1809	1818	1815	1830	1828	1841	1836	1841	1851	1838
25.0	1736	1728	1744	1735	1751	1748	1758	1755	1774	1769	1784	1776	1782	1794	1779
30.0	1656	1646	1664	1656	1675	1669	1682	1678	1699	1695	1709	1699	1708	1721	1704
35.0	1564	1550	1573	1559	1583	1571	1590	1581	1609	1600	1619	1605	1616	1632	1611
40.0	1453	1441	1466	1450	1472	1460	1479	1470	1497	1490	1511	1495	1505	1526	1503
45.0	1327	1313	1338	1319	1345	1327	1351	1336	1368	1355	1381	1362	1378	1400	1375
50.0	1192	1167	1200	1172	1205	1185	1213	1192	1223	1203	1238	1212	1232	1255	1226
55.0	1021	1011	1041	1013	1047	925	937	921	1056	1035	1070	1042	1052	1090	1058
60.0	826	805	834	838	776	751	778	751	782	833	841	818	835	864	842
65.0	623	594	646	548	611	520	539	508	610	553	649	584	608	640	629
70.0	426	398	417	376	386	355	330	348	369	344	373	377	394	426	396
75.0	238	200	179	168	191	129	156	122	183	135	181	164	182	178	166
80.0	107	63.5	92.9	44.9	61.0	28.4	45.2	25.9	45.4	29.4	68.1	42.0	53.7	89.0	41.4
85.0	25.9	10.3	23.4	9.20	20.6	7.80	18.6	6.70	17.8	6.30	17.7	6.10	7.40	19.9	7.70
90.0	11.4	3.60	11.1	3.40	10.5	3.20	10.1	3.30	10.3	3.40	10.7	3.60	3.90	11.1	3.60
95.0	10.5	4.50	10.4	4.30	9.90	4.10	9.70	4.10	9.90	4.30	10.2	4.50	4.90	10.5	4.50
100.0	10.7	5.60	10.5	5.40	10.0	5.20	9.80	5.20	10.0	5.30	10.3	5.50	6.00	10.5	5.60
105.0	11.2	6.80	10.9	6.60	10.5	6.40	10.3	6.40	10.4	6.50	10.7	6.70	7.20	11.0	6.80
110.0	11.8	8.10	11.5	7.90	11.2	7.70	11.0	7.60	11.1	7.70	11.3	7.90	8.50	11.7	8.10
115.0	12.7	9.40	12.3	9.09	11.9	9.00	11.9	8.80	11.8	8.90	12.0	9.09	9.90	12.5	9.30
120.0	13.5	10.7	13.0	10.4	12.8	10.2	12.8	10.1	12.7	10.1	12.8	10.3	11.1	13.3	10.5
125.0	14.5	11.9	14.0	11.5	13.7	11.5	13.7	11.4	13.5	11.3	13.7	11.5	12.4	14.2	11.7
130.0	15.4	13.0	14.9	12.7	14.5	12.6	14.5	12.5	14.4	12.4	14.5	12.7	13.6	15.0	12.9
135.0	16.4	14.3	15.9	13.9	15.6	13.9	15.6	13.7	15.4	13.6	15.5	13.9	14.8	16.1	14.1
140.0	17.2	15.5	16.7	15.0	16.5	15.0	16.5	14.8	16.2	14.8	16.4	15.0	15.9	17.0	15.2
145.0	18.0	16.5	17.7	16.2	17.5	16.2	17.4	15.8	17.1	15.8	17.2	16.2	16.7	17.9	16.2
150.0	18.9	17.4	18.4	17.2	18.4	17.2	18.1	16.7	17.9	16.7	18.1	17.2	17.7	18.7	17.2
155.0	19.5	18.1	19.1	18.0	19.1	18.1	18.9	17.6	18.6	17.7	18.9	18.0	18.5	19.4	18.0
160.0	20.1	18.7	19.6	18.7	19.7	19.0	19.5	18.4	19.3	18.4	19.5	18.7	19.2	20.0	18.7
165.0	20.7	19.4	20.2	19.3	20.2	19.6	20.2	19.0	19.9	19.1	20.1	19.4	19.9	20.5	19.4
170.0	21.2	20.0	20.7	19.9	20.7	20.1	20.8	19.6	20.4	19.6	20.5	20.0	20.6	20.9	19.9
175.0	21.6	20.4	21.0	20.2	21.0	20.4	21.1	20.1	20.8	20.1	20.9	20.2	21.1	21.1	20.2
180.0	21.6	20.7	21.1	20.5	21.0	20.6	21.4	20.5	20.9	20.4	21.0	20.6	21.6	21.1	20.6

Temperature:25.3'C
Operators:
Test Date:06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. 100% Flickering. Temp 61.0C.

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 50W 240x210x31 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5183	DIMENSION: 240x210x31	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	1918	1919	1916	1913	1913	1914	1916	1915	1917
5.0	1920	1918	1915	1910	1910	1907	1909	1906	1908
10.0	1909	1903	1900	1889	1892	1884	1889	1884	1888
15.0	1881	1873	1871	1857	1858	1849	1853	1846	1852
20.0	1840	1825	1826	1808	1811	1798	1806	1794	1803
25.0	1781	1765	1768	1746	1751	1734	1740	1729	1739
30.0	1711	1691	1692	1668	1673	1655	1666	1650	1660
35.0	1621	1597	1602	1572	1582	1560	1575	1555	1570
40.0	1514	1484	1493	1460	1472	1448	1466	1447	1463
45.0	1387	1358	1364	1331	1344	1323	1341	1321	1339
50.0	1243	1203	1223	1186	1205	1175	1202	1177	1201
55.0	1073	1038	1060	963	1052	1016	1041	1019	1050
60.0	894	736	745	714	738	741	866	826	842
65.0	571	556	591	543	585	552	605	630	650
70.0	392	316	345	323	348	319	404	419	444
75.0	184	133	182	115	183	147	185	196	262
80.0	61.2	31.2	51.4	30.7	59.8	40.4	85.1	66.0	123
85.0	20.2	8.80	21.6	10.0	23.2	11.3	25.5	12.7	31.0
90.0	10.7	3.40	10.4	3.40	10.7	3.40	11.5	3.70	12.0
95.0	10.2	4.30	9.80	4.20	9.90	4.30	10.3	4.50	10.5
100.0	10.3	5.40	10.0	5.30	10.0	5.40	10.4	5.50	10.7
105.0	10.8	6.60	10.5	6.60	10.5	6.60	10.9	6.80	11.2
110.0	11.4	7.90	11.2	7.90	11.2	7.90	11.5	8.10	11.9
115.0	12.2	9.09	12.1	9.20	12.0	9.20	12.4	9.40	12.7
120.0	13.0	10.4	12.9	10.5	13.0	10.5	13.2	10.7	13.6
125.0	13.9	11.5	13.9	11.8	13.9	11.7	14.1	11.9	14.5
130.0	14.8	12.7	14.8	13.0	14.9	12.9	15.0	13.0	15.4
135.0	15.7	13.9	15.8	14.2	15.8	14.1	15.9	14.3	16.4
140.0	16.5	15.0	16.6	15.2	16.7	15.2	16.7	15.4	17.2
145.0	17.5	16.1	17.5	16.3	17.7	16.3	17.7	16.4	18.0
150.0	18.1	17.0	18.2	17.2	18.6	17.2	18.5	17.2	18.7
155.0	18.9	17.8	18.9	18.0	19.3	18.0	19.1	18.0	19.4
160.0	19.5	18.5	19.6	18.7	19.9	18.7	19.6	18.7	19.9
165.0	20.1	19.2	20.1	19.5	20.5	19.4	20.2	19.3	20.4
170.0	20.5	19.6	20.5	20.2	20.8	19.9	20.6	19.7	20.8
175.0	20.9	20.2	20.9	20.6	21.0	20.2	21.0	20.2	21.1
180.0	21.0	20.5	21.1	21.0	21.0	20.5	21.0	20.5	21.1

Temperature:25.3'C
Operators:
Test Date:06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. 100% Flickering. Temp 61.0C.