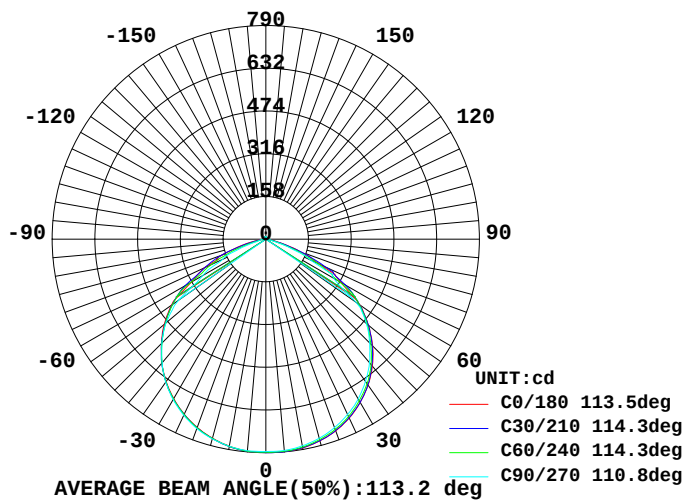


STREETLIGHT PHOTOMETRIC TEST REPORT

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 20W 162x144x28 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5156	DIMENSION: 162x144x28	SERIAL No.:

MODEL:		Imax(cd):	789.5	Effective Flux(lm):	2160.3
NOMINAL POWER(W):	20	MAXIMUM(C, γ):	210, 2.0	EEI	0.131
RATED VOLTAGE(V):	220	EFFICIENCY(%):	100.0	Voltage(V)	220.3
NOMINAL FLUX(lm):	2160.3	η street_up(%):	0.9	Current(A)	0.103
TEST FLUX(lm):	2160.3	η street_down(%):	48.4	Power(W)	20.73
LAMPS QUANTITY:	1	η house_up(%)	0.9	Power Factor	0.910
TOTAL RADIANT(mw):	2160.3	η house_down(%)	49.8	EEFICIENCY(lm/W)	104.2



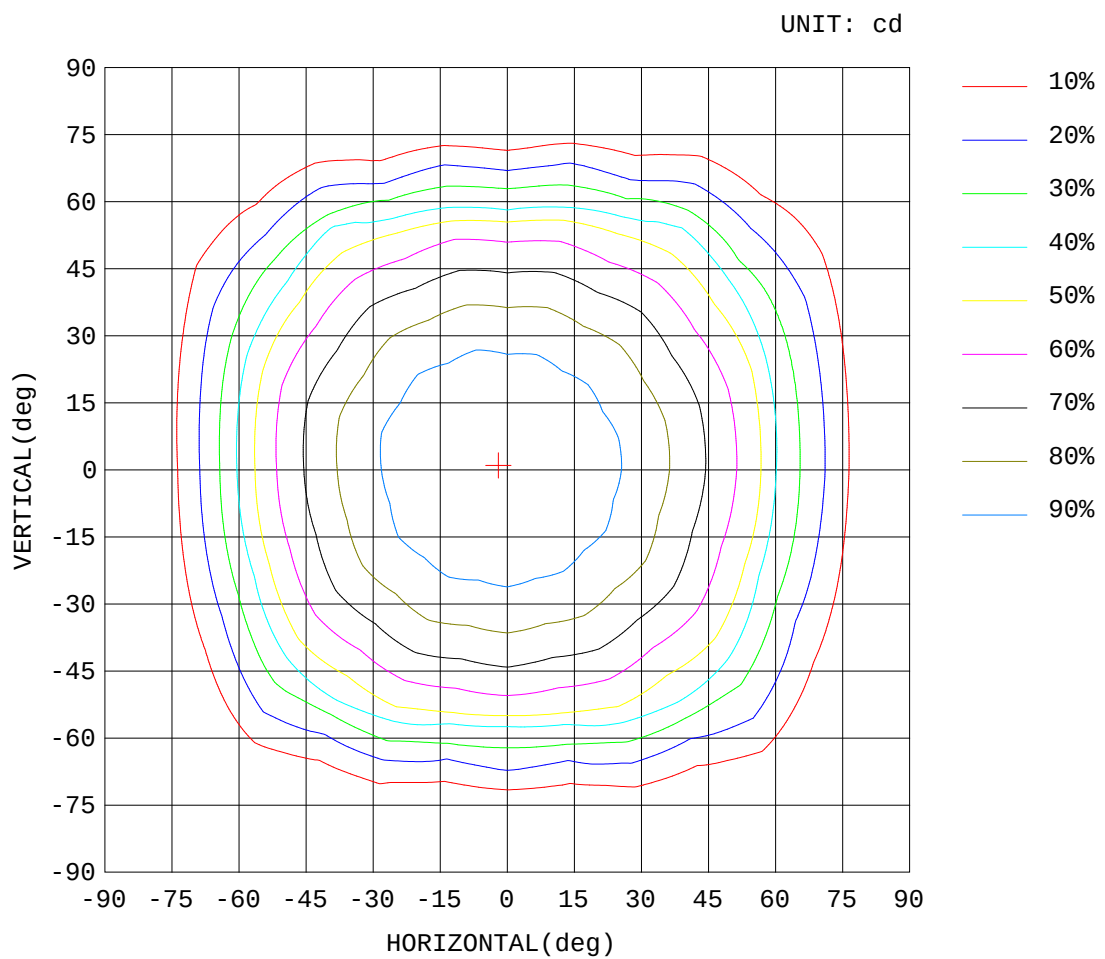
Temperature:25.3'C
Operators:
Test Date:06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. 99.8% Flickering. Temp 53.1C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 20W 162x144x28 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5156	DIMENSION: 162x144x28	SERIAL No.:



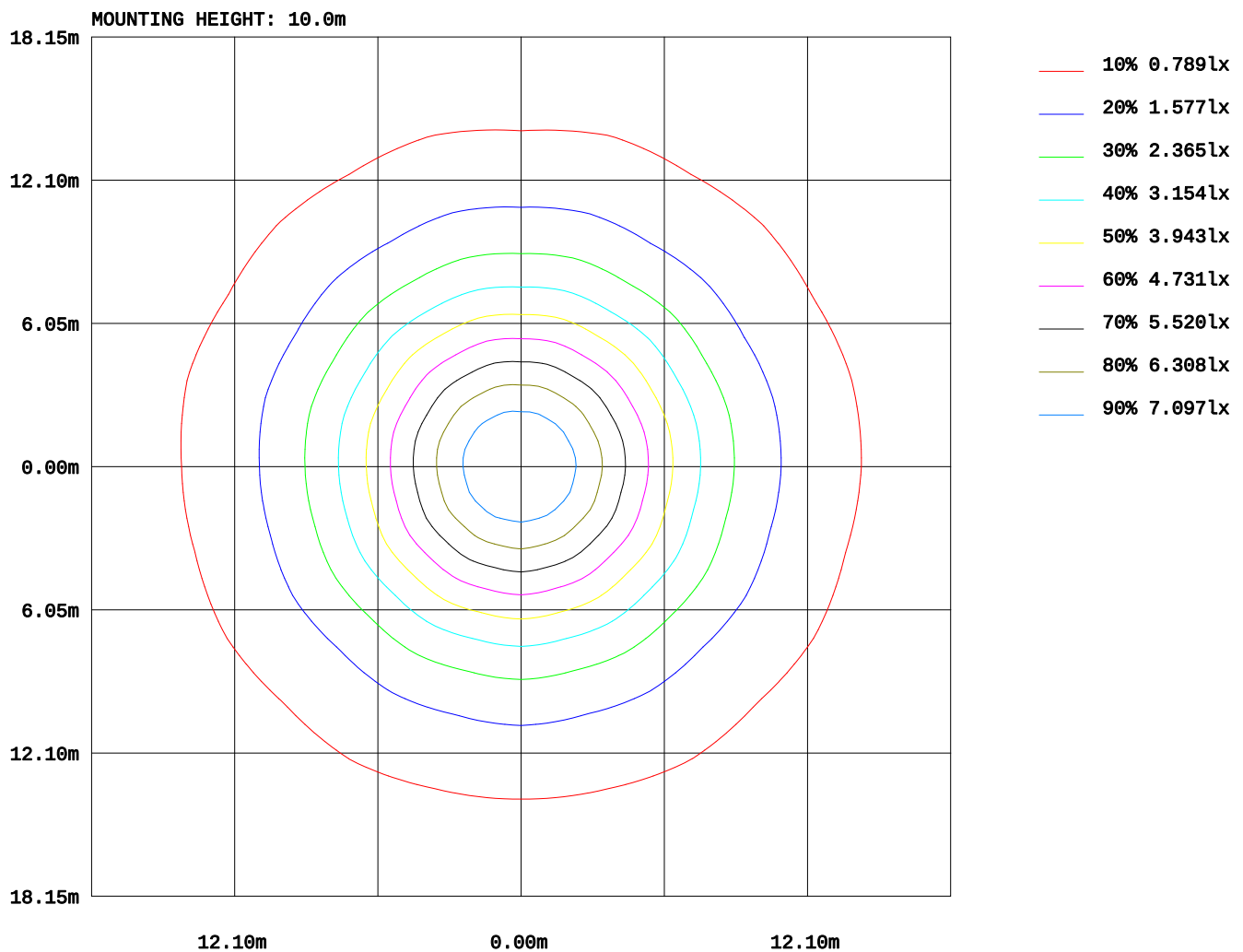
Temperature:25.3'C
Operators:
Test Date:06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks: 69Ra. 99.8% Flickering. Temp 53.1C

ISOLUX DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 20W 162x144x28 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5156	DIMENSION: 162x144x28	SERIAL No.:



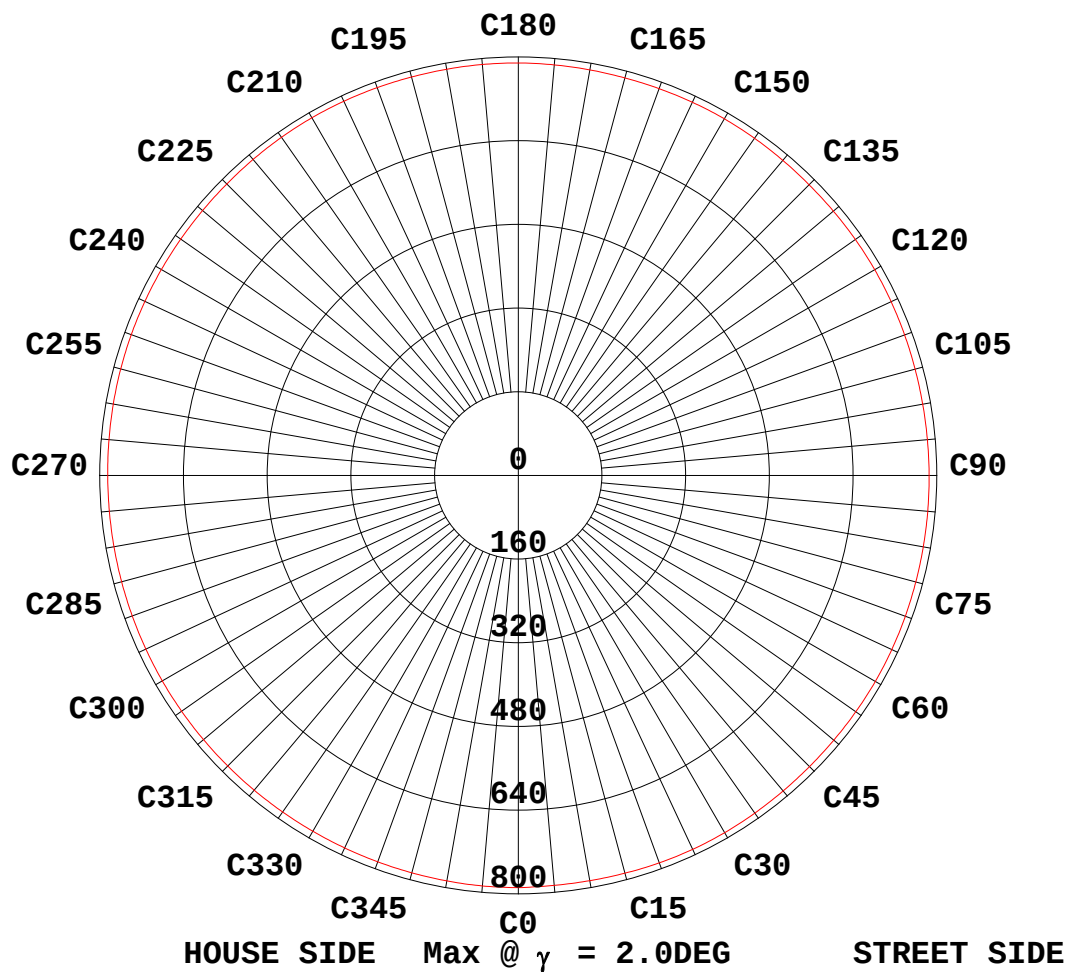
Temperature: 25.3°C
 Operators:
 Test Date: 06-10-2020

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks: 69Ra. 99.8% Flickering. Temp 53.1C

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 20W 162x144x28 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5156	DIMENSION: 162x144x28	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. 99.8% Flickering. Temp 53.1C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 20W 162x144x28 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5156	DIMENSION: 162x144x28	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	789	788	789	788	788	787	785	785	786	786	787	787	789	788	789
5.0	786	784	787	785	787	785	785	784	787	785	788	786	788	789	789
10.0	777	774	779	775	778	776	777	776	781	779	783	781	784	785	783
15.0	762	758	763	759	763	760	764	762	768	766	772	769	772	775	771
20.0	741	736	742	736	743	739	745	741	749	746	755	749	754	758	753
25.0	714	708	715	708	715	711	718	713	723	721	731	724	730	735	728
30.0	681	674	683	674	682	676	685	679	691	688	699	691	697	705	697
35.0	643	633	645	633	644	634	645	638	654	646	661	652	658	668	658
40.0	597	586	598	588	597	585	596	589	607	599	614	605	613	623	610
45.0	546	534	545	533	543	530	543	534	552	542	560	549	559	571	556
50.0	491	475	487	469	485	470	482	471	490	476	498	486	494	511	494
55.0	425	409	422	404	421	402	394	401	423	407	428	416	424	445	423
60.0	318	305	347	334	322	277	269	278	311	328	339	312	323	341	341
65.0	252	226	249	211	222	166	178	162	217	189	251	207	215	260	241
70.0	174	147	175	123	137	87.3	102	83.6	129	103	160	126	133	173	141
75.0	95.3	71.8	86.6	47.9	51.7	24.0	34.2	22.6	47.2	38.2	70.8	56.1	64.2	87.6	58.7
80.0	40.4	21.6	31.7	13.4	22.7	12.2	19.6	10.9	20.6	10.9	23.1	11.5	14.9	31.2	14.7
85.0	13.3	5.10	12.7	4.70	11.4	3.80	9.70	3.20	10.1	3.30	10.4	3.40	4.20	11.8	4.30
90.0	7.30	2.00	7.20	1.90	6.70	1.80	6.40	1.90	6.60	1.90	7.00	2.00	2.30	7.20	2.00
95.0	6.80	2.30	6.60	2.20	6.30	2.10	6.10	2.20	6.30	2.30	6.60	2.40	2.70	6.70	2.30
100.0	6.60	2.80	6.40	2.70	6.10	2.60	6.00	2.60	6.10	2.70	6.40	2.80	3.20	6.50	2.80
105.0	6.60	3.30	6.40	3.20	6.20	3.10	6.10	3.10	6.10	3.20	6.40	3.20	3.70	6.50	3.30
110.0	6.80	3.90	6.50	3.70	6.30	3.60	6.30	3.60	6.30	3.70	6.50	3.70	4.30	6.70	3.80
115.0	7.00	4.40	6.70	4.20	6.50	4.20	6.50	4.20	6.50	4.20	6.60	4.20	4.80	6.90	4.30
120.0	7.20	4.90	7.00	4.80	6.80	4.70	6.90	4.70	6.80	4.70	6.90	4.70	5.40	7.10	4.90
125.0	7.50	5.50	7.20	5.30	7.10	5.20	7.20	5.20	7.10	5.20	7.20	5.20	6.00	7.40	5.40
130.0	7.80	5.90	7.60	5.80	7.40	5.80	7.50	5.70	7.30	5.70	7.40	5.70	6.50	7.70	5.90
135.0	8.20	6.50	7.90	6.30	7.70	6.30	7.90	6.30	7.60	6.30	7.70	6.20	7.00	8.00	6.40
140.0	8.50	7.00	8.20	6.80	8.10	6.80	8.20	6.80	8.00	6.70	8.10	6.70	7.50	8.40	6.90
145.0	8.80	7.40	8.50	7.20	8.40	7.30	8.60	7.30	8.29	7.20	8.40	7.20	7.90	8.70	7.30
150.0	9.00	7.80	8.80	7.70	8.70	7.70	8.90	7.70	8.60	7.60	8.70	7.60	8.29	8.90	7.70
155.0	9.20	8.20	9.00	8.00	9.00	8.10	9.09	8.10	8.90	7.90	8.90	8.10	8.60	9.20	8.10
160.0	9.50	8.50	9.20	8.40	9.20	8.40	9.40	8.40	9.20	8.29	9.20	8.40	8.90	9.40	8.40
165.0	9.60	8.70	9.40	8.60	9.40	8.70	9.60	8.80	9.40	8.60	9.30	8.70	9.30	9.60	8.70
170.0	9.90	8.90	9.50	8.80	9.50	8.90	9.80	9.00	9.60	8.80	9.50	8.90	9.60	9.70	8.90
175.0	10.0	9.09	9.60	9.00	9.60	9.09	9.90	9.09	9.70	9.00	9.60	9.00	9.80	9.70	9.00
180.0	10.0	9.30	9.60	9.20	9.60	9.20	9.80	9.20	9.60	9.20	9.60	9.20	10.1	9.70	9.30

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. 99.8% Flickering. Temp 53.1C

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER:			
Address:			
NAME: Lumos 20W 162x144x28 5000K 75Ra		TYPE:	WEIGHT:
SPECIFICATION:	CCT(K): 5156	DIMENSION: 162x144x28	SERIAL No.:

UNIT: cd

C(deg) γ (deg)	225	240	255	270	285	300	315	330	345
0.0	788	788	787	785	785	786	786	787	787
5.0	788	787	787	784	785	784	784	783	784
10.0	784	780	781	776	778	775	776	773	776
15.0	773	767	768	762	764	760	762	758	761
20.0	756	749	751	742	745	739	743	736	741
25.0	734	723	726	715	720	711	717	709	715
30.0	703	690	695	683	688	678	685	677	683
35.0	664	652	657	642	651	639	648	639	646
40.0	619	605	611	596	607	592	605	592	603
45.0	567	549	559	543	554	539	552	539	551
50.0	507	489	505	485	500	480	494	480	495
55.0	438	421	439	408	436	417	431	415	431
60.0	365	312	310	291	309	325	364	346	337
65.0	248	213	215	180	218	223	272	236	260
70.0	164	118	130	96.2	143	127	175	158	182
75.0	69.4	38.8	52.4	27.9	59.6	46.5	90.4	76.5	106
80.0	23.9	13.6	23.7	14.3	25.0	15.7	31.7	23.5	47.2
85.0	11.8	4.30	11.7	4.50	12.7	5.70	14.3	6.40	14.8
90.0	7.00	1.80	6.70	2.00	7.10	2.10	7.70	2.20	7.80
95.0	6.50	2.20	6.20	2.30	6.50	2.40	6.70	2.30	6.70
100.0	6.40	2.70	6.10	2.70	6.40	2.80	6.50	2.70	6.50
105.0	6.40	3.20	6.10	3.20	6.40	3.30	6.50	3.20	6.60
110.0	6.50	3.70	6.30	3.80	6.50	3.80	6.60	3.80	6.70
115.0	6.70	4.30	6.50	4.20	6.70	4.30	6.80	4.30	6.90
120.0	7.00	4.80	6.80	4.80	6.90	4.80	7.00	4.80	7.10
125.0	7.20	5.30	7.10	5.30	7.20	5.40	7.30	5.40	7.40
130.0	7.50	5.80	7.50	5.80	7.40	5.80	7.60	5.90	7.70
135.0	7.80	6.30	7.80	6.30	7.70	6.30	7.90	6.40	8.00
140.0	8.20	6.80	8.10	6.80	8.10	6.80	8.20	6.90	8.40
145.0	8.50	7.20	8.40	7.20	8.50	7.30	8.50	7.30	8.70
150.0	8.70	7.70	8.70	7.70	8.80	7.70	8.80	7.70	8.90
155.0	9.00	8.00	8.90	8.10	9.09	8.10	9.00	8.00	9.09
160.0	9.20	8.29	9.20	8.40	9.30	8.40	9.20	8.40	9.30
165.0	9.40	8.60	9.30	8.70	9.50	8.70	9.40	8.60	9.50
170.0	9.60	8.80	9.50	9.00	9.60	8.90	9.50	8.80	9.60
175.0	9.60	9.00	9.60	9.20	9.70	9.09	9.60	9.00	9.70
180.0	9.60	9.20	9.60	9.50	9.70	9.20	9.60	9.20	9.70

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. 99.8% Flickering. Temp 53.1C