

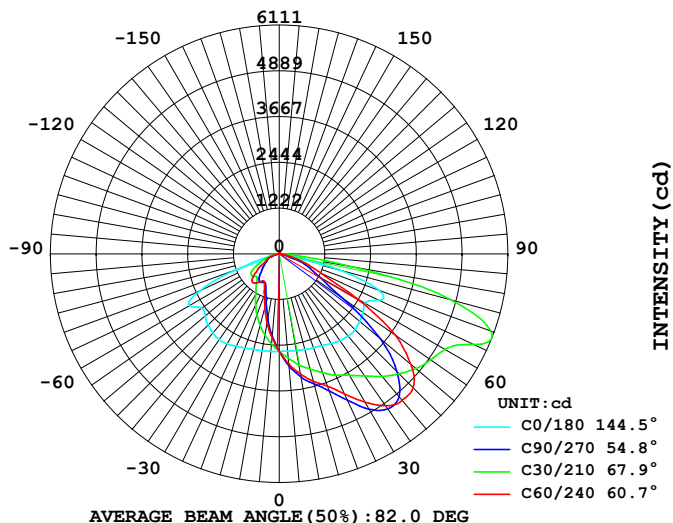
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

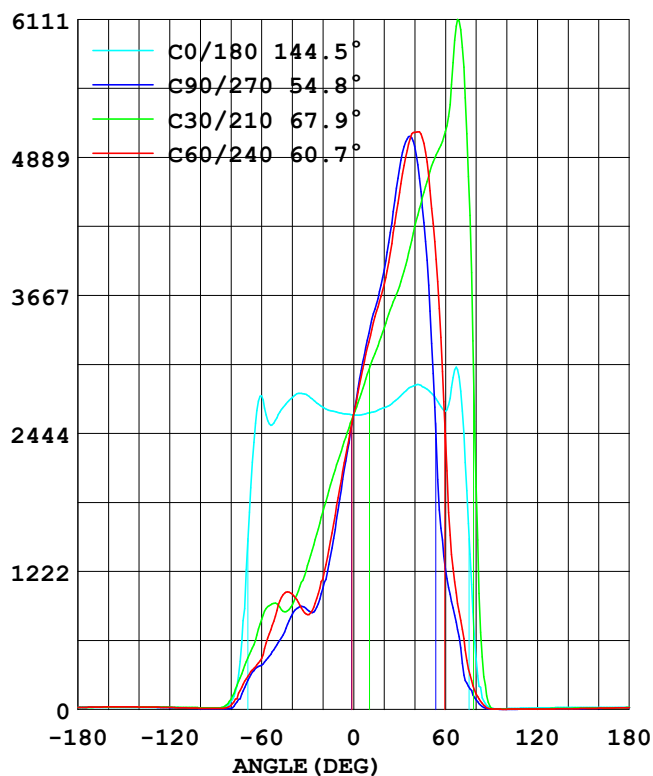
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D08040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	6435	S/MH (C0/180)	1.62
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	80	TOTAL FLUX(lm)	11211	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	140.1	Current(A)	0.358
NOMINAL FLUX(lm)	11211.0	η up (%)	0.7	Power(W)	80.00
LAMPS QUANTITY	1	η down (%)	99.3	Power Factor (PF)	0.968
TEST VOLTAGE (V)	230.7	Effective Flux(lm)	0.0	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025.7.7

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

Color Temperature Data List

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D08040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

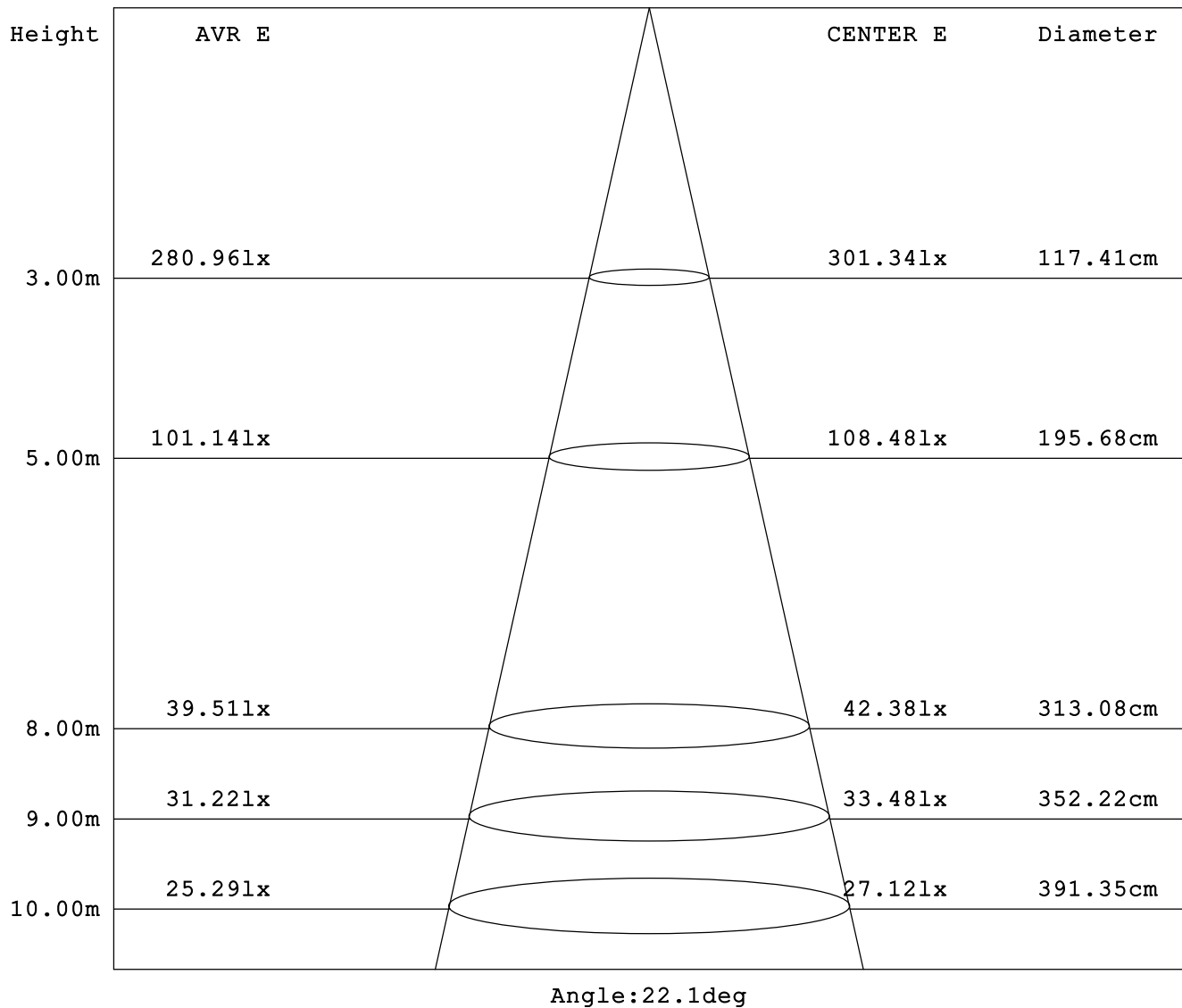
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025.7.7

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks:

AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D08040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:



Test System:
 Temperature: 25.3DEG
 Operators:
 Test Date: 2025.7.7

Test Set: 5.0deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D08040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2617	2323	2202	2330	2608	2889	3001	2898	0- 5	62.38	62.38
10.0	2630	2019	1771	2032	2626	3162	3328	3154	5- 10	186.1	248.5
15.0	2645	1698	1360	1720	2644	3399	3593	3399	10- 15	305.5	554.0
20.0	2676	1417	1070	1399	2672	3631	3891	3616	15- 20	419.9	973.9
25.0	2727	1130	876.8	1139	2707	3879	4306	3900	20- 25	536.9	1511
30.0	2782	933.2	883.3	921.9	2767	4190	4793	4231	25- 30	665.9	2177
35.0	2799	876.7	910.2	844.9	2832	4457	5052	4528	30- 35	808.3	2985
40.0	2761	985.7	841.8	921.7	2870	4781	4987	4810	35- 40	944.8	3930
45.0	2691	1116	688.6	1065	2859	4995	4443	4954	40- 45	1050	4980
50.0	2585	1119	572.8	1088	2813	5043	3527	4921	45- 50	1101	6081
55.0	2530	1031	471.4	1003	2727	4809	2035	4488	50- 55	1078	7159
60.0	2777	745.2	393.9	769.6	2640	4205	1246	3865	55- 60	993.9	8153
65.0	2367	461.7	344.7	469.2	2938	3354	899.2	2610	60- 65	941.5	9095
70.0	1236	305.4	226.0	317.9	2820	1811	546.4	970.4	65- 70	890.8	9985
75.0	304.5	171.2	88.94	171.7	1645	642.0	206.4	450.7	70- 75	684.9	10670
80.0	70.43	44.80	11.04	54.73	448.0	219.9	86.97	184.2	75- 80	355.8	11026
85.0	19.50	9.081	7.451	11.86	74.13	74.20	19.10	53.40	80- 85	90.52	11117
90.0	13.19	7.198	6.909	7.023	11.98	15.80	3.725	12.45	85- 90	13.63	11130
95.0	13.70	9.351	7.112	9.343	6.693	9.149	2.709	8.680	90- 95	4.803	11135
100.0	14.66	11.50	8.128	11.79	8.477	7.938	2.303	7.620	95-100	4.643	11140
105.0	15.61	13.52	9.754	14.04	10.19	7.400	2.641	7.222	100-105	4.996	11145
110.0	16.38	15.40	11.98	16.10	11.85	7.198	3.048	7.090	105-110	5.390	11150
115.0	17.14	17.02	14.42	18.09	13.13	7.198	3.522	7.023	110-115	5.743	11156
120.0	18.03	18.29	16.73	19.61	14.34	7.400	4.064	7.090	115-120	6.016	11162
125.0	18.93	19.57	18.76	20.87	15.48	7.669	4.538	7.289	120-125	6.193	11168
130.0	19.56	20.78	20.38	21.80	16.63	8.207	5.080	7.620	125-130	6.256	11174
135.0	19.63	21.72	21.47	22.26	17.52	8.812	5.622	8.150	130-135	6.150	11181
140.0	19.25	22.33	22.35	22.39	17.97	9.620	6.232	8.813	135-140	5.844	11186
145.0	18.74	22.80	23.16	22.39	17.91	10.49	7.044	9.608	140-145	5.396	11192
150.0	18.48	22.94	23.84	22.13	17.65	11.50	8.061	10.53	145-150	4.870	11197
155.0	18.35	22.60	24.18	21.53	17.52	12.51	9.280	11.39	150-155	4.269	11201
160.0	18.29	21.79	23.84	20.67	17.52	13.45	10.63	12.25	155-160	3.581	11205
165.0	18.23	20.85	22.76	19.68	17.65	14.39	11.98	13.12	160-165	2.826	11207
170.0	18.23	19.77	21.13	18.55	17.78	15.40	13.41	14.11	165-170	2.031	11209
175.0	18.23	18.43	19.17	17.16	17.91	16.48	14.97	15.10	170-175	1.219	11211
180.0	18.16	17.22	17.13	15.83	18.16	17.69	16.86	16.30	175-180	0.405	11211
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:
Temperature:25.3DEG
Operators:
Test Date:2025.7.7

Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

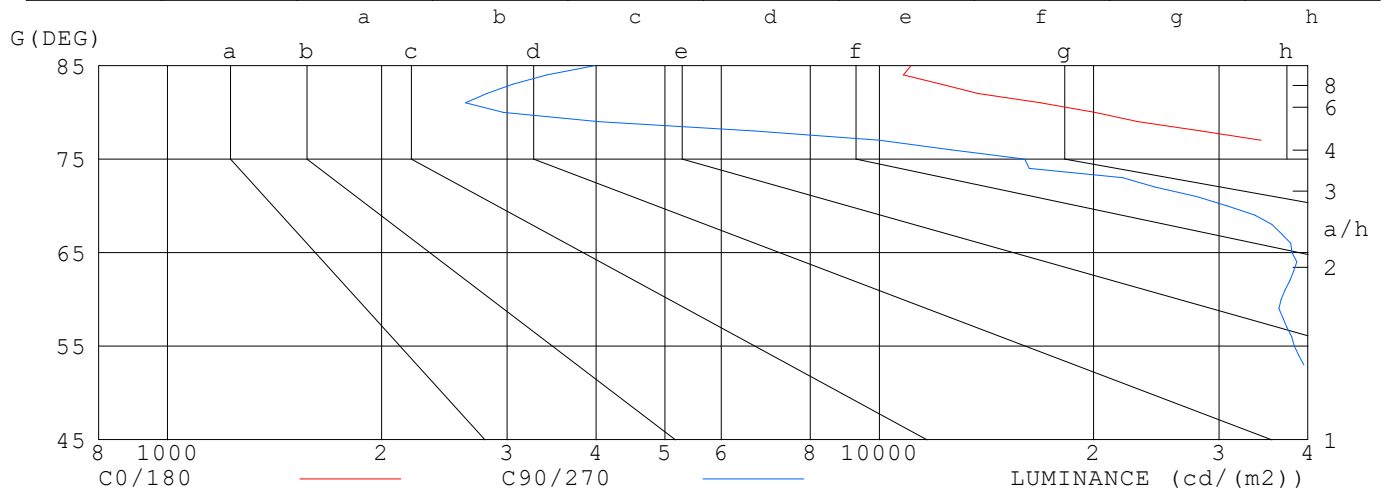
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D08040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	11079	3983
80	20080	2962
75	58254	16008
70	178877	30788
65	277229	37998
60	274898	36705
55	218355	38291
50	199056	41512
45	188429	45367

Test System:
 Temperature: 25.3 DEG
 Operators:
 Test Date: 2025.7.7

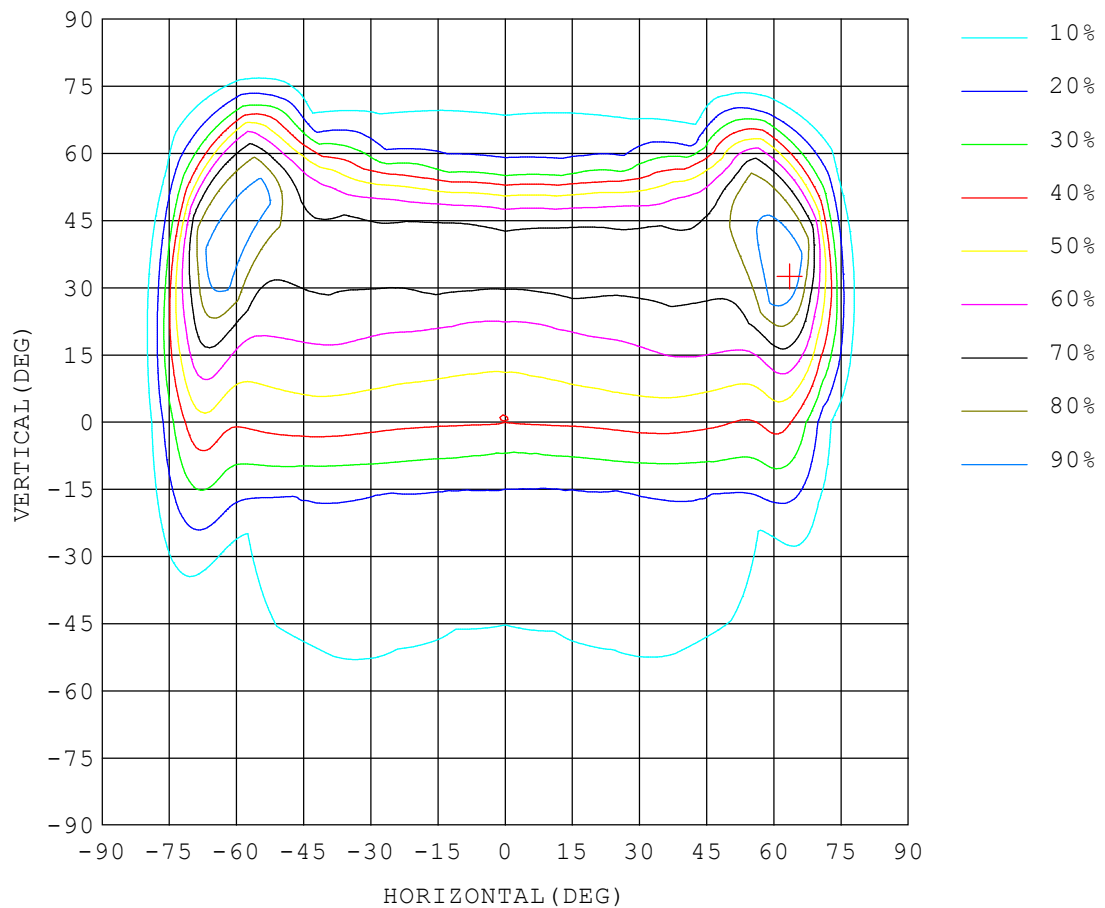
Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D08040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025.7.7

Test Set: 5.0 deg/s C-Gamma (TYPE C)
Humidity: 65.0%
Test Distance: 10.000 m
Remarks: