

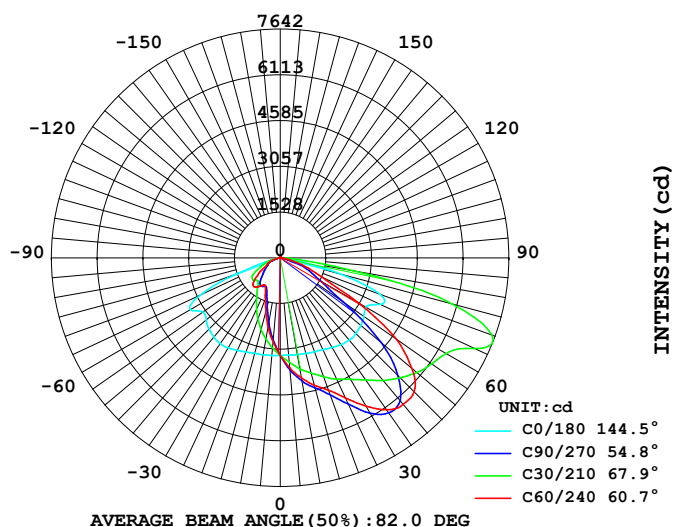
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

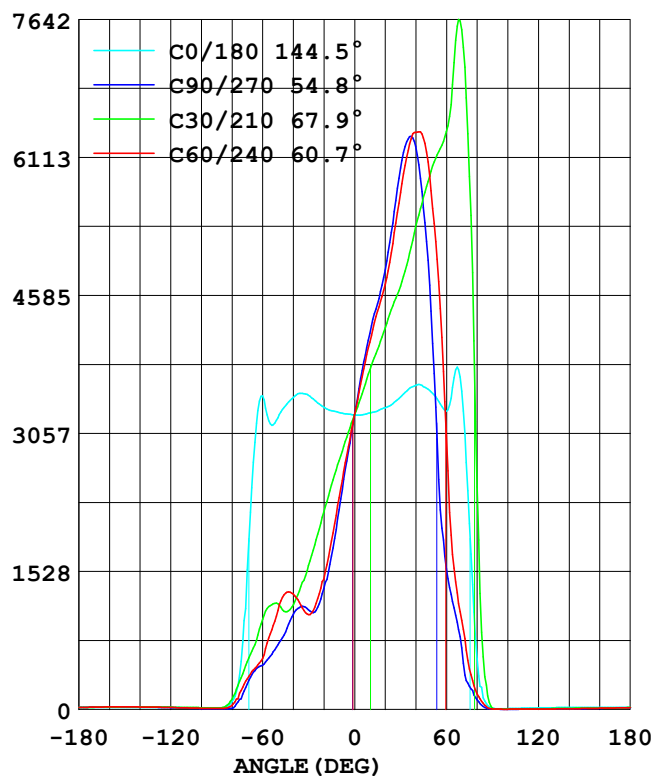
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D10040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	8047	S/MH (C0/180)	1.62
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	100	TOTAL FLUX(lm)	14019	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	140.1	Current(A)	0.448
NOMINAL FLUX(lm)	14019.0	η up (%)	0.7	Power(W)	100.0
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-D10040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

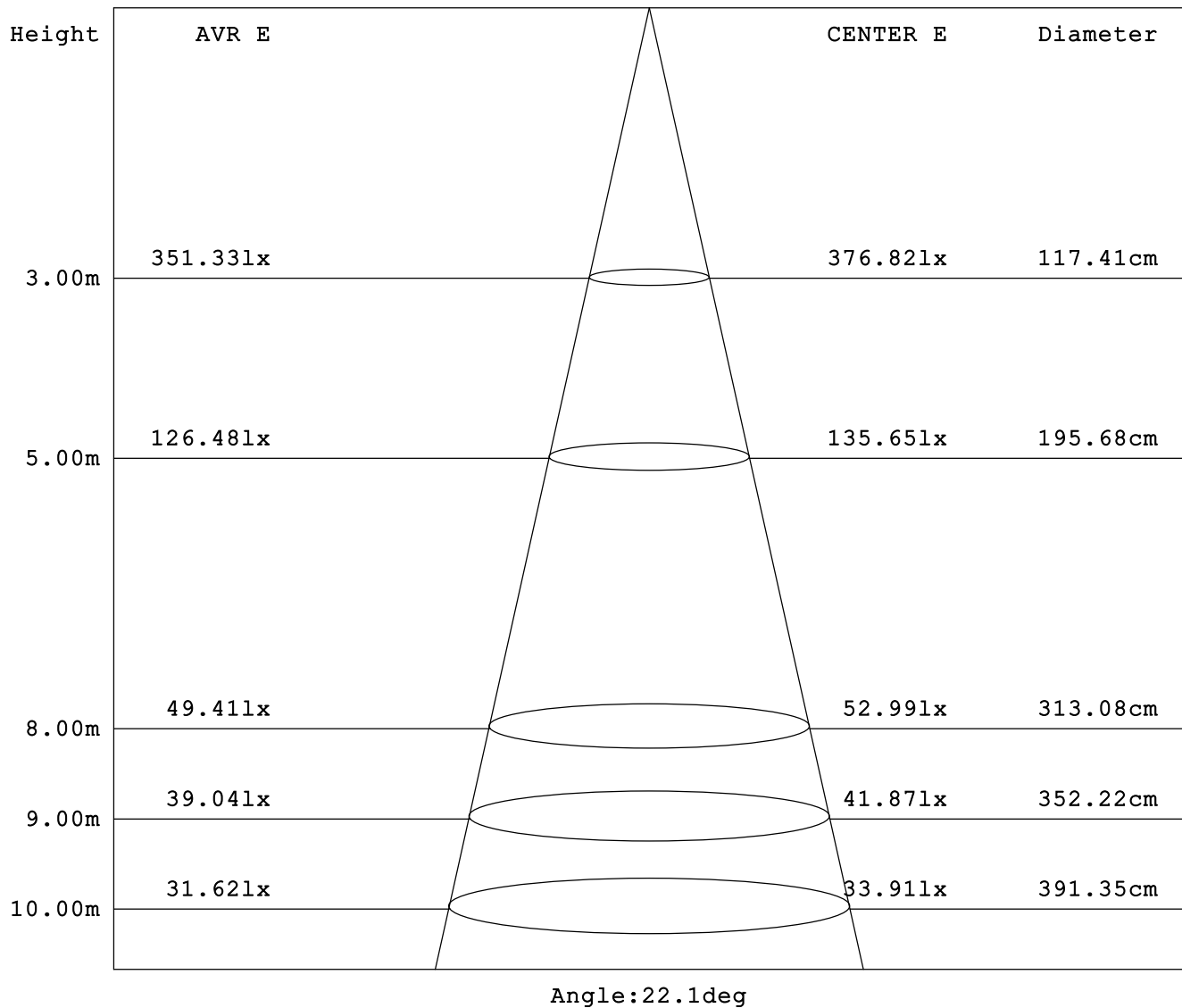
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025.7.7

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-D10040-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-D10040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	3273	2905	2753	2913	3262	3612	3752	3624	0- 5	78.00	78.00
10.0	3289	2524	2215	2541	3284	3953	4162	3944	5- 10	232.7	310.7
15.0	3308	2123	1700	2150	3307	4250	4492	4250	10- 15	382.0	692.8
20.0	3347	1772	1338	1750	3341	4541	4866	4522	15- 20	525.0	1218
25.0	3410	1413	1097	1424	3385	4851	5385	4877	20- 25	671.4	1889
30.0	3479	1167	1105	1153	3460	5239	5994	5291	25- 30	832.7	2722
35.0	3500	1096	1138	1057	3541	5574	6317	5662	30- 35	1011	3733
40.0	3453	1233	1053	1153	3589	5978	6236	6015	35- 40	1182	4914
45.0	3366	1395	861.1	1332	3575	6246	5555	6195	40- 45	1313	6228
50.0	3232	1400	716.2	1360	3518	6307	4411	6153	45- 50	1376	7604
55.0	3164	1289	589.5	1254	3410	6014	2545	5613	50- 55	1348	8952
60.0	3472	931.9	492.6	962.4	3301	5258	1559	4833	55- 60	1243	10195
65.0	2959	577.4	431.0	586.8	3673	4194	1124	3264	60- 65	1177	11372
70.0	1545	382.0	282.6	397.6	3526	2264	683.3	1214	65- 70	1114	12486
75.0	380.8	214.0	111.2	214.7	2057	802.8	258.1	563.7	70- 75	856.5	13343
80.0	88.07	56.02	13.80	68.44	560.2	275.0	108.7	230.4	75- 80	444.9	13788
85.0	24.39	11.35	9.317	14.83	92.70	92.78	23.88	66.78	80- 85	113.2	13901
90.0	16.49	9.001	8.640	8.783	14.98	19.76	4.658	15.57	85- 90	17.04	13918
95.0	17.13	11.69	8.894	11.68	8.369	11.44	3.388	10.85	90- 95	6.006	13924
100.0	18.33	14.38	10.16	14.74	10.60	9.926	2.880	9.528	95-100	5.805	13930
105.0	19.52	16.90	12.19	17.56	12.75	9.253	3.303	9.031	100-105	6.247	13936
110.0	20.48	19.26	14.99	20.13	14.82	9.001	3.811	8.866	105-110	6.740	13943
115.0	21.44	21.28	18.04	22.62	16.41	9.001	4.404	8.783	110-115	7.181	13950
120.0	22.55	22.88	20.92	24.52	17.93	9.253	5.082	8.866	115-120	7.523	13958
125.0	23.67	24.47	23.46	26.10	19.36	9.590	5.675	9.114	120-125	7.745	13965
130.0	24.47	25.99	25.49	27.26	20.80	10.26	6.353	9.528	125-130	7.823	13973
135.0	24.55	27.17	26.85	27.84	21.91	11.02	7.030	10.19	130-135	7.690	13981
140.0	24.07	27.92	27.95	28.00	22.47	12.02	7.793	11.02	135-140	7.308	13988
145.0	23.43	28.51	28.96	28.00	22.39	13.12	8.809	12.01	140-145	6.748	13995
150.0	23.11	28.68	29.81	27.67	22.07	14.38	10.08	13.17	145-150	6.090	14001
155.0	22.95	28.26	30.24	26.92	21.91	15.64	11.60	14.25	150-155	5.338	14006
160.0	22.87	27.25	29.81	25.85	21.91	16.82	13.29	15.32	155-160	4.478	14011
165.0	22.79	26.07	28.46	24.60	22.07	18.00	14.99	16.40	160-165	3.533	14014
170.0	22.79	24.73	26.42	23.20	22.23	19.26	16.77	17.64	165-170	2.540	14017
175.0	22.79	23.04	23.97	21.46	22.39	20.61	18.72	18.89	170-175	1.524	14019
180.0	22.71	21.53	21.43	19.80	22.71	22.12	21.09	20.38	175-180	0.506	14019
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:

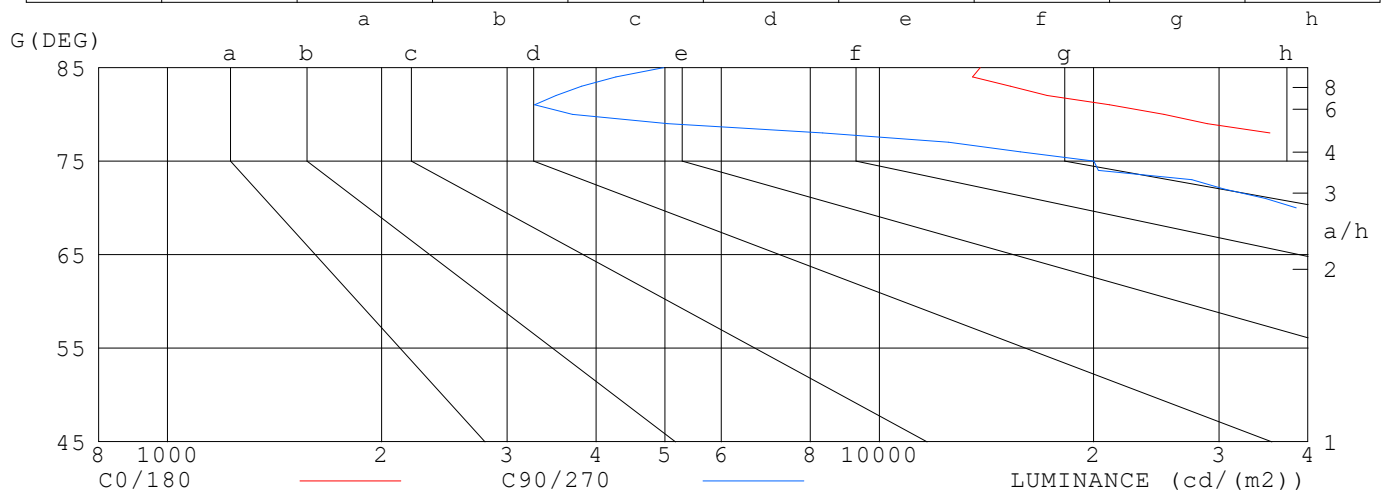
LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D10040-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	13854	4980
80	25110	3704
75	72844	20018
70	223680	38499
65	346666	47515
60	343751	45899
55	273046	47881
50	248913	51909
45	235625	56730

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

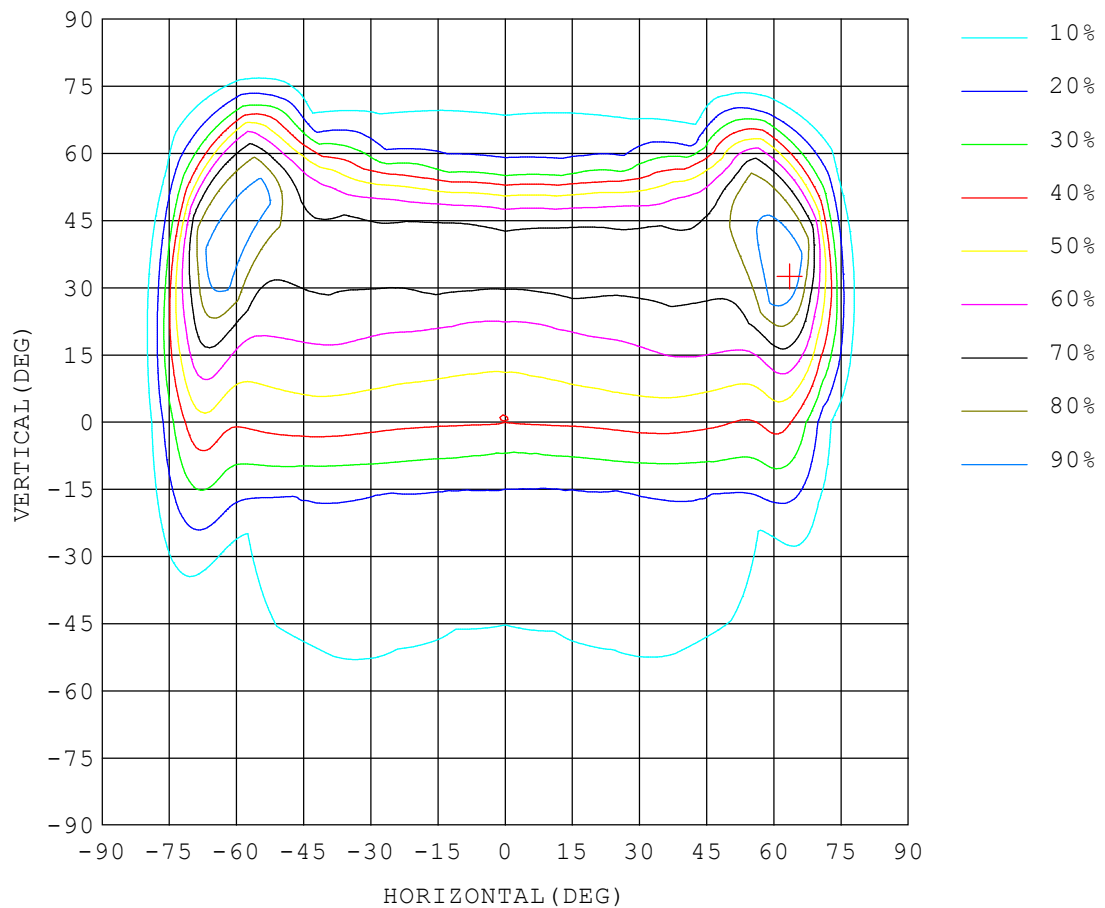
Test Set: 5.0 deg/s C-Gamma (TYPE C)
 Humidity: 65.0%
 Test Distance: 10.000 m
 Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D10040-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: