

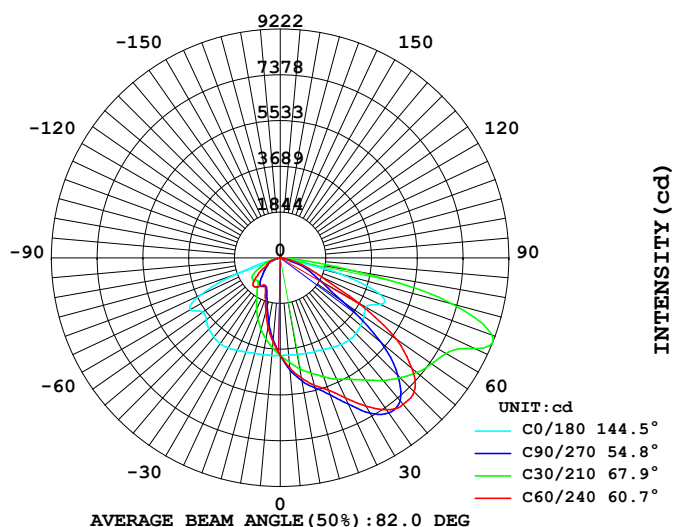
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

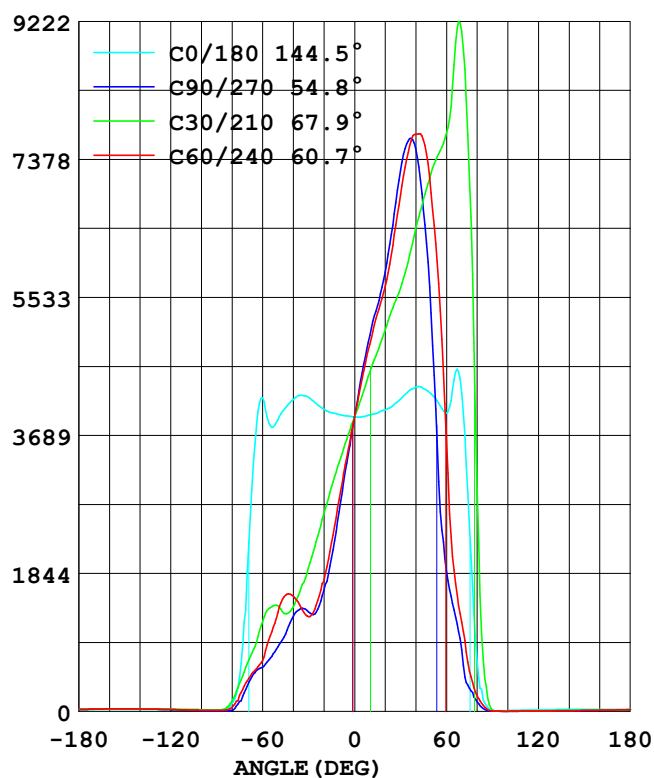
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D12040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	9711	S/MH (C0/180)	1.62
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	120	TOTAL FLUX(lm)	16918	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	141.0	Current(A)	0.537
NOMINAL FLUX(lm)	16918.1	$\eta$ up (%)	0.7	Power(W)	120.0
LAMPS QUANTITY	1	$\eta$ down (%)	99.3	Power Factor (PF)	0.968
TEST VOLTAGE (V)	230.7	Effective Flux(lm)	16918.1	EEI	0.106

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2025.03.25

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

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## Color Temperature Data List

Report number:

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NAME: Muller	TYPE: IL-ST11-D12040-T3B	WEIGHT:
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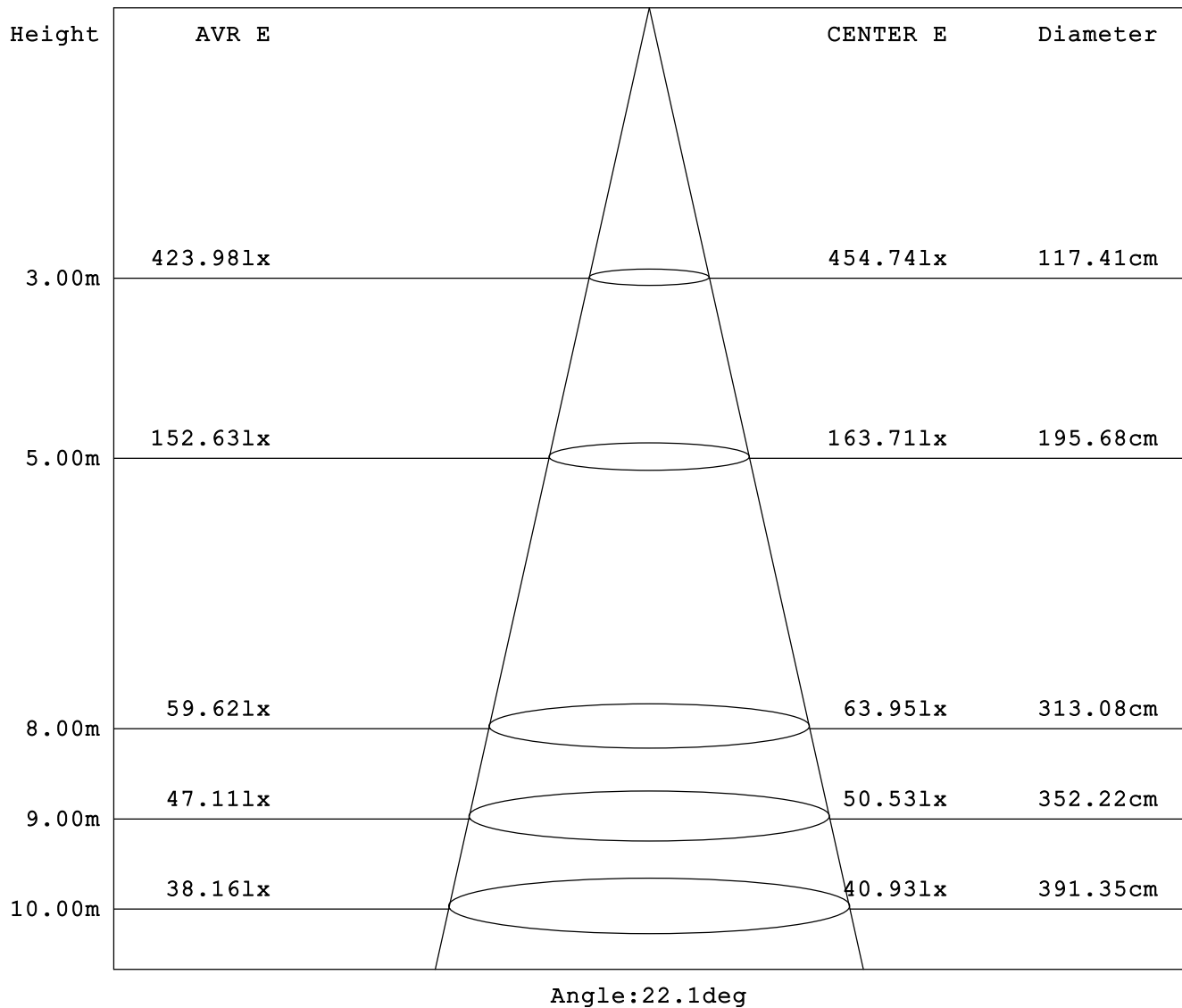
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## AVERAGE AND CENTER E Figure

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MANUFACTURER: ILUMEN GMBH	Address:	
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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D12040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	3950	3506	3323	3515	3936	4359	4528	4374	0- 5	94.13	94.13
10.0	3969	3046	2673	3067	3963	4771	5022	4760	5- 10	280.9	375.0
15.0	3992	2562	2052	2595	3991	5129	5421	5129	10- 15	461.0	836.1
20.0	4039	2139	1615	2112	4032	5480	5872	5457	15- 20	633.6	1470
25.0	4116	1705	1323	1719	4085	5854	6498	5886	20- 25	810.2	2280
30.0	4199	1408	1333	1391	4175	6322	7233	6385	25- 30	1005	3285
35.0	4224	1323	1374	1275	4274	6726	7624	6833	30- 35	1220	4505
40.0	4167	1488	1270	1391	4332	7214	7526	7259	35- 40	1426	5931
45.0	4062	1684	1039	1608	4314	7538	6704	7476	40- 45	1585	7516
50.0	3900	1689	864.4	1641	4245	7611	5323	7426	45- 50	1661	9177
55.0	3818	1556	711.4	1513	4116	7258	3071	6773	50- 55	1627	10803
60.0	4190	1125	594.5	1161	3984	6345	1881	5832	55- 60	1500	12303
65.0	3572	696.8	520.2	708.1	4433	5062	1357	3939	60- 65	1421	13724
70.0	1865	461.0	341.1	479.8	4255	2732	824.6	1465	65- 70	1344	15069
75.0	459.6	258.3	134.2	259.1	2482	968.9	311.4	680.2	70- 75	1034	16102
80.0	106.2	67.61	16.66	82.59	676.1	331.9	131.2	278.0	75- 80	536.9	16639
85.0	29.43	13.70	11.24	17.89	111.8	111.9	28.82	80.59	80- 85	136.6	16776
90.0	19.91	10.86	10.42	10.59	18.08	23.85	5.622	18.79	85- 90	20.57	16796
95.0	20.68	14.11	10.73	14.09	10.10	13.80	4.088	13.09	90- 95	7.248	16804
100.0	22.12	17.35	12.26	17.79	12.79	11.97	3.475	11.49	95-100	7.006	16811
105.0	23.56	20.40	14.72	21.19	15.39	11.16	3.986	10.89	100-105	7.539	16818
110.0	24.72	23.24	18.09	24.29	17.89	10.86	4.600	10.69	105-110	8.134	16826
115.0	25.87	25.68	21.77	27.29	19.81	10.86	5.315	10.59	110-115	8.667	16835
120.0	27.22	27.61	25.24	29.59	21.64	11.16	6.133	10.69	115-120	9.078	16844
125.0	28.56	29.54	28.31	31.49	23.37	11.57	6.849	10.99	120-125	9.346	16853
130.0	29.53	31.36	30.76	32.89	25.10	12.38	7.666	11.49	125-130	9.441	16863
135.0	29.62	32.79	32.40	33.59	26.45	13.29	8.484	12.29	130-135	9.281	16872
140.0	29.04	33.70	33.73	33.79	27.12	14.51	9.404	13.29	135-140	8.819	16881
145.0	28.28	34.41	34.96	33.79	27.02	15.83	10.63	14.49	140-145	8.143	16889
150.0	27.89	34.61	35.98	33.39	26.64	17.35	12.16	15.89	145-150	7.349	16896
155.0	27.70	34.11	36.49	32.49	26.45	18.88	14.00	17.19	150-155	6.442	16903
160.0	27.60	32.89	35.98	31.19	26.45	20.30	16.04	18.49	155-160	5.404	16908
165.0	27.51	31.47	34.34	29.69	26.64	21.72	18.09	19.79	160-165	4.264	16913
170.0	27.51	29.84	31.89	27.99	26.83	23.24	20.24	21.29	165-170	3.066	16916
175.0	27.51	27.81	28.92	25.89	27.02	24.87	22.59	22.79	170-175	1.840	16918
180.0	27.41	25.98	25.86	23.89	27.41	26.69	25.45	24.59	175-180	0.611	16918
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

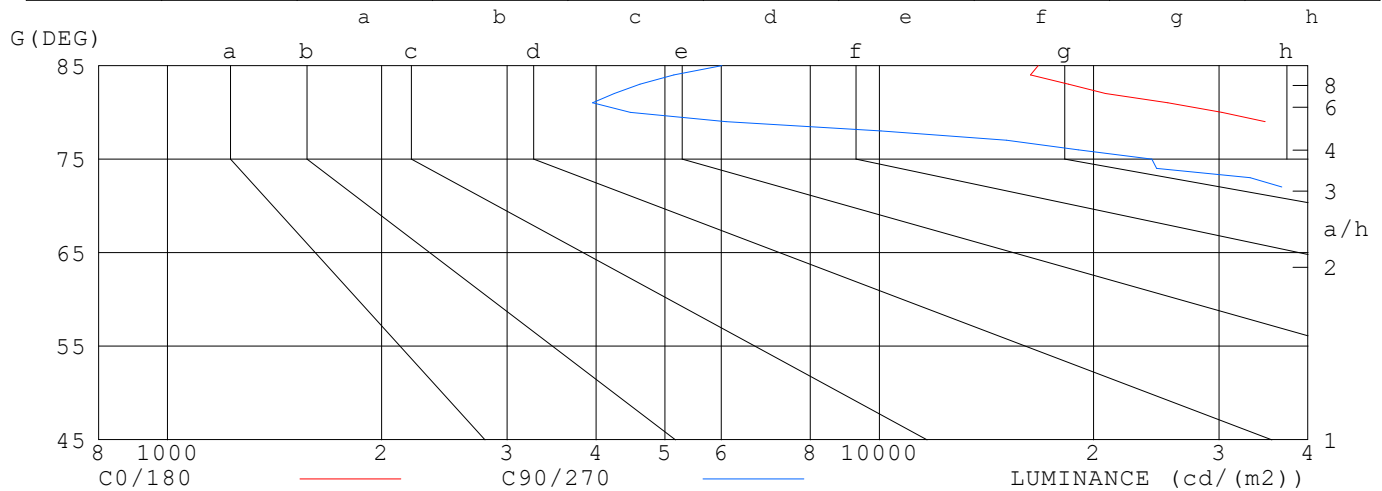
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D12040-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	16719	6010
80	30302	4470
75	87908	24157
70	269937	46461
65	418356	57341
60	414838	55390
55	329511	57783
50	300388	62644
45	284351	68461

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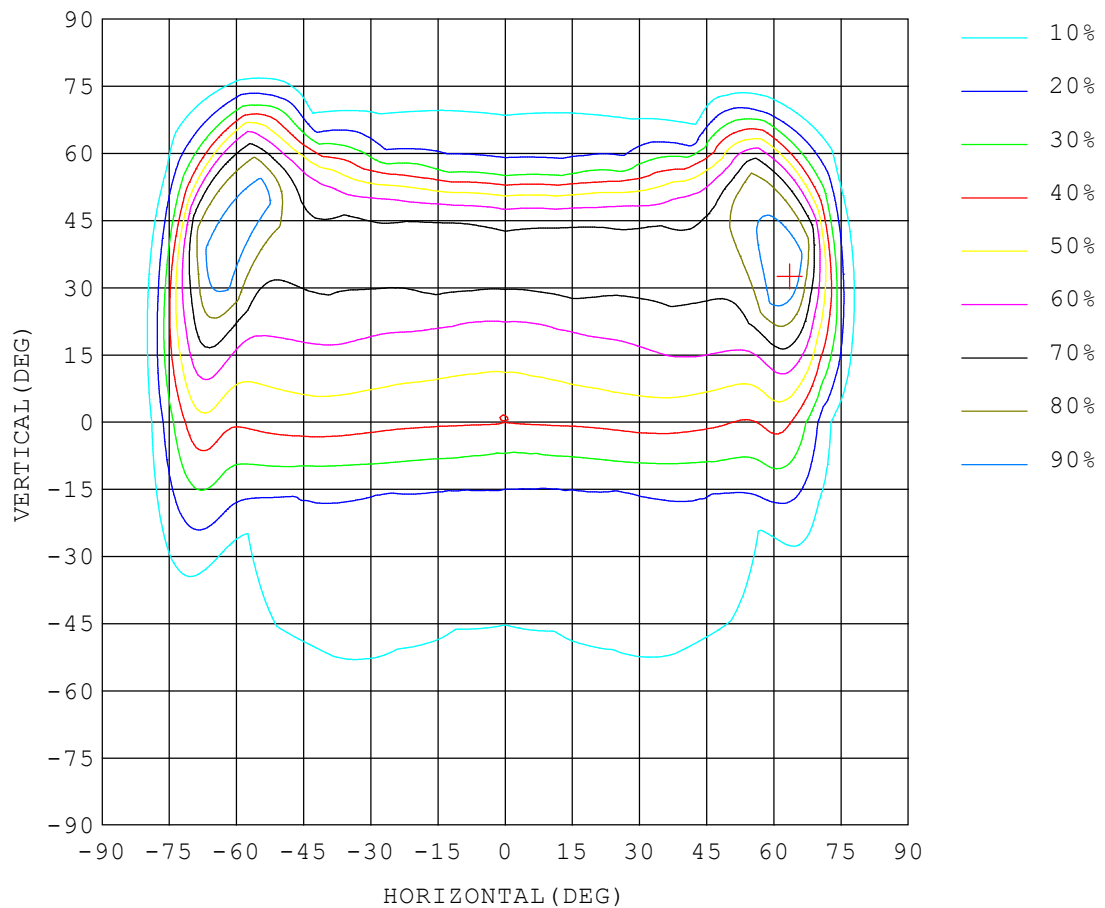
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## ISOCANDELA DIAGRAM

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MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D12040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

UNIT: cd



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