

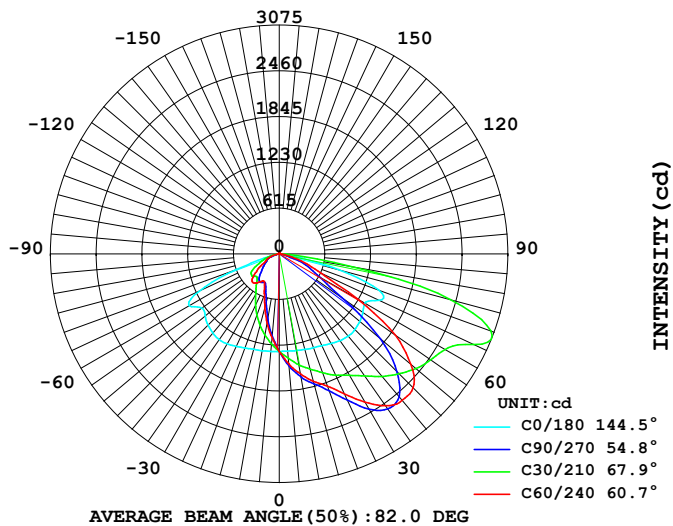
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

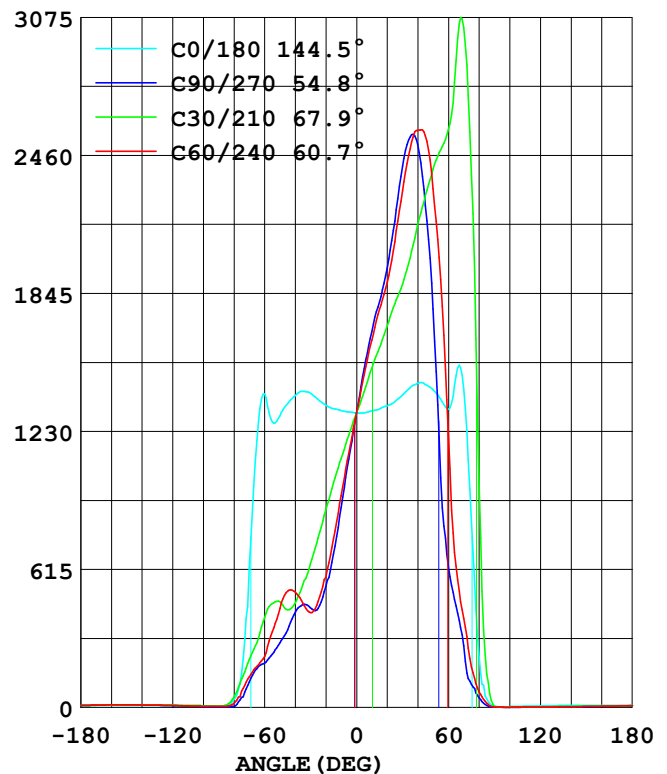
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D04040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	3238	S/MH (C0/180)	1.62
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	5641.0	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	140.7	Current(A)	0.180
NOMINAL FLUX(lm)	5641.0	$\eta$ up (%)	0.7	Power(W)	40.09
LAMPS QUANTITY	1	$\eta$ 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: 2025.03.25

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

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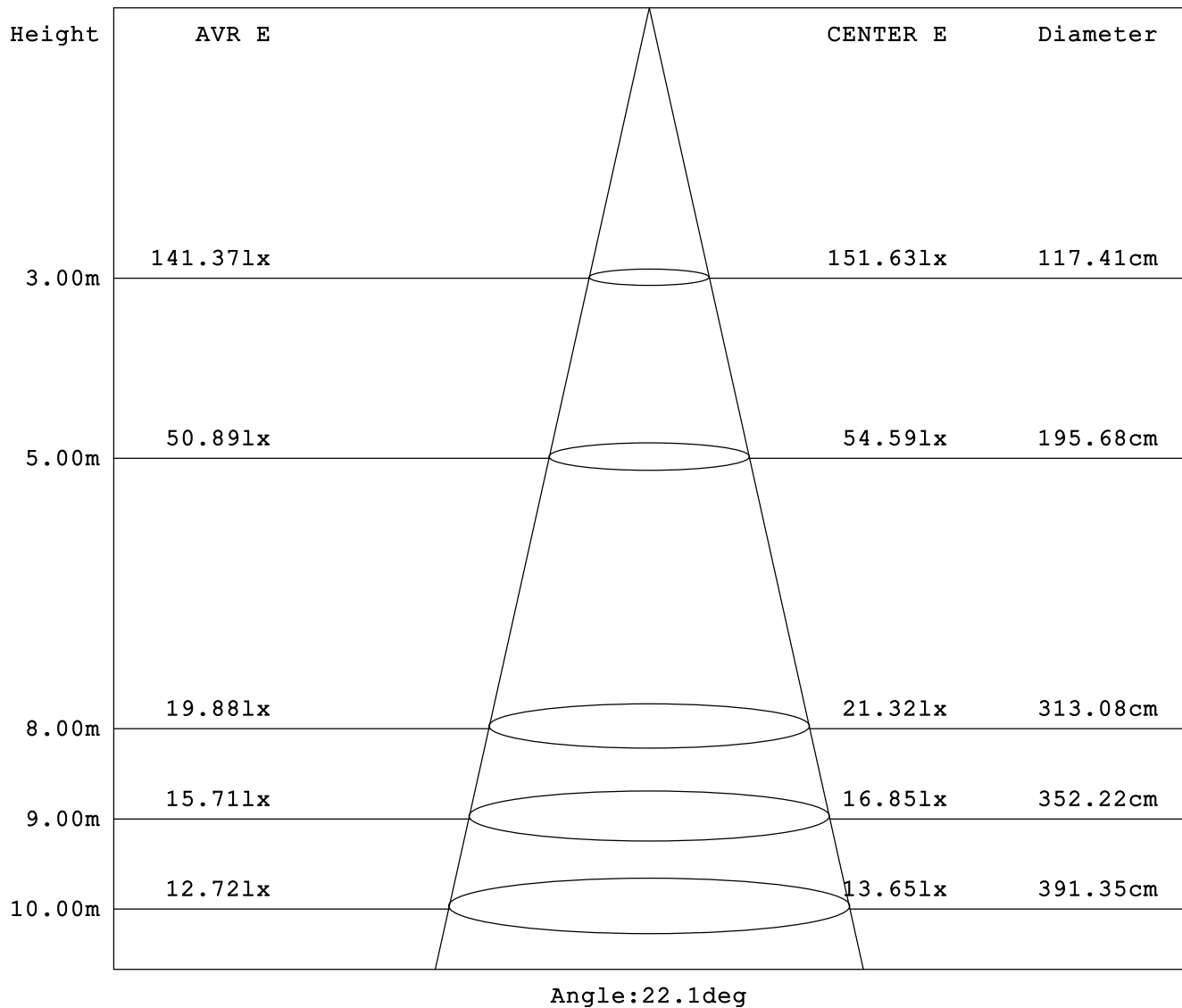
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## AVERAGE AND CENTER E Figure

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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D04040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1317	1169	1108	1172	1312	1453	1510	1458	0- 5	31.38	31.38
10.0	1323	1016	891.3	1022	1321	1591	1675	1587	5- 10	93.67	125.0
15.0	1331	854.2	684.2	865.2	1331	1710	1808	1710	10- 15	153.7	278.7
20.0	1347	713.1	538.3	704.1	1344	1827	1958	1819	15- 20	211.2	490.0
25.0	1372	568.6	441.2	573.0	1362	1952	2167	1963	20- 25	270.1	760.2
30.0	1400	469.5	444.4	463.8	1392	2108	2412	2129	25- 30	335.0	1095
35.0	1408	441.1	458.0	425.1	1425	2243	2542	2278	30- 35	406.7	1502
40.0	1389	496.0	423.6	463.7	1444	2405	2509	2420	35- 40	475.4	1977
45.0	1354	561.5	346.5	536.1	1439	2513	2235	2493	40- 45	528.4	2506
50.0	1301	563.2	288.2	547.2	1416	2538	1775	2476	45- 50	553.8	3060
55.0	1273	518.7	237.2	504.5	1372	2420	1024	2258	50- 55	542.4	3602
60.0	1397	374.9	198.2	387.2	1328	2116	627.1	1945	55- 60	500.1	4102
65.0	1191	232.3	173.4	236.1	1478	1688	452.4	1313	60- 65	473.7	4576
70.0	621.8	153.7	113.7	160.0	1419	911.0	274.9	488.3	65- 70	448.2	5024
75.0	153.2	86.14	44.75	86.42	827.6	323.0	103.8	226.8	70- 75	344.6	5369
80.0	35.44	22.54	5.555	27.54	225.4	110.6	43.76	92.72	75- 80	179.0	5548
85.0	9.814	4.569	3.749	5.968	37.30	37.33	9.611	26.87	80- 85	45.55	5594
90.0	6.639	3.621	3.476	3.534	6.029	7.954	1.874	6.268	85- 90	6.860	5600
95.0	6.895	4.705	3.578	4.701	3.367	4.603	1.363	4.367	90- 95	2.417	5603
100.0	7.376	5.788	4.090	5.934	4.265	3.994	1.158	3.834	95-100	2.336	5605
105.0	7.857	6.803	4.908	7.068	5.131	3.723	1.329	3.634	100-105	2.513	5608
110.0	8.242	7.751	6.032	8.102	5.965	3.621	1.533	3.567	105-110	2.712	5610
115.0	8.627	8.564	7.260	9.102	6.607	3.621	1.772	3.534	110-115	2.889	5613
120.0	9.076	9.207	8.418	9.869	7.216	3.723	2.045	3.567	115-120	3.027	5616
125.0	9.525	9.850	9.441	10.50	7.793	3.858	2.283	3.667	120-125	3.116	5619
130.0	9.846	10.45	10.25	10.96	8.371	4.129	2.556	3.834	125-130	3.148	5623
135.0	9.878	10.93	10.80	11.20	8.820	4.434	2.829	4.101	130-135	3.094	5626
140.0	9.686	11.23	11.24	11.26	9.044	4.840	3.135	4.434	135-140	2.940	5629
145.0	9.429	11.47	11.65	11.26	9.012	5.280	3.544	4.834	140-145	2.715	5631
150.0	9.301	11.54	11.99	11.13	8.884	5.788	4.056	5.301	145-150	2.450	5634
155.0	9.237	11.37	12.16	10.83	8.820	6.296	4.669	5.734	150-155	2.148	5636
160.0	9.205	10.96	11.99	10.40	8.820	6.769	5.351	6.168	155-160	1.802	5638
165.0	9.172	10.49	11.45	9.902	8.884	7.243	6.032	6.601	160-165	1.421	5639
170.0	9.172	9.951	10.63	9.335	8.948	7.751	6.748	7.101	165-170	1.022	5640
175.0	9.172	9.274	9.645	8.635	9.012	8.293	7.532	7.601	170-175	0.614	5641
180.0	9.140	8.665	8.623	7.968	9.140	8.902	8.487	8.202	175-180	0.204	5641
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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Operators:  
Test Date:2025.03.25

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Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

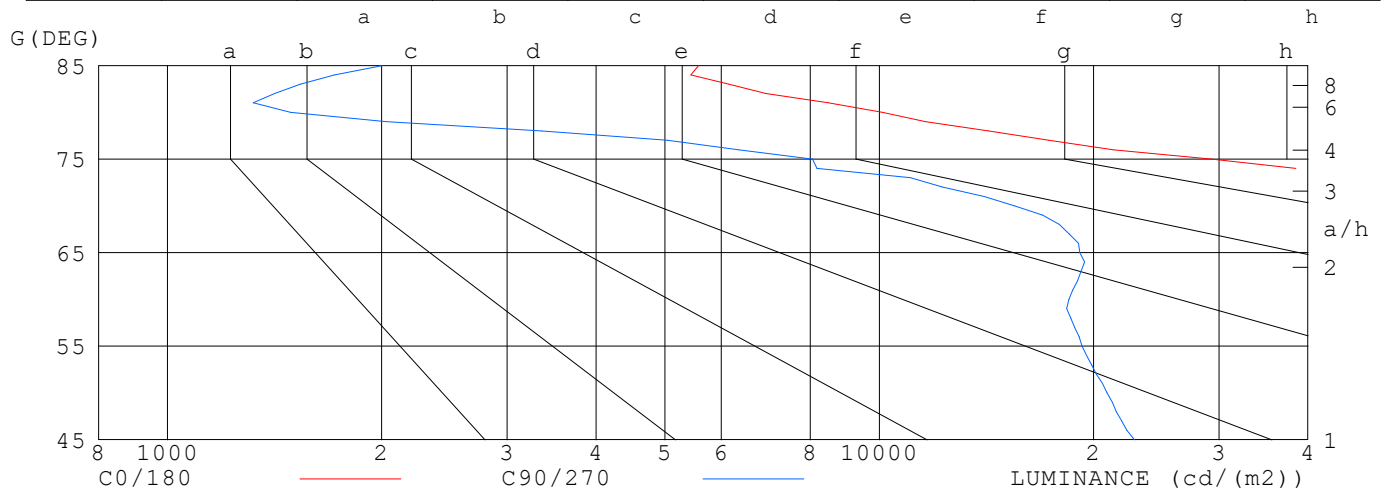
## LUMINANCE LIMITATION CURVES

Report number:

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NAME: Muller	TYPE: IL-ST11-D04040-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	5575	2004
80	10104	1490
75	29311	8055
70	90005	15491
65	139492	19119
60	138319	18469
55	109869	19267
50	100158	20887
45	94811	22827

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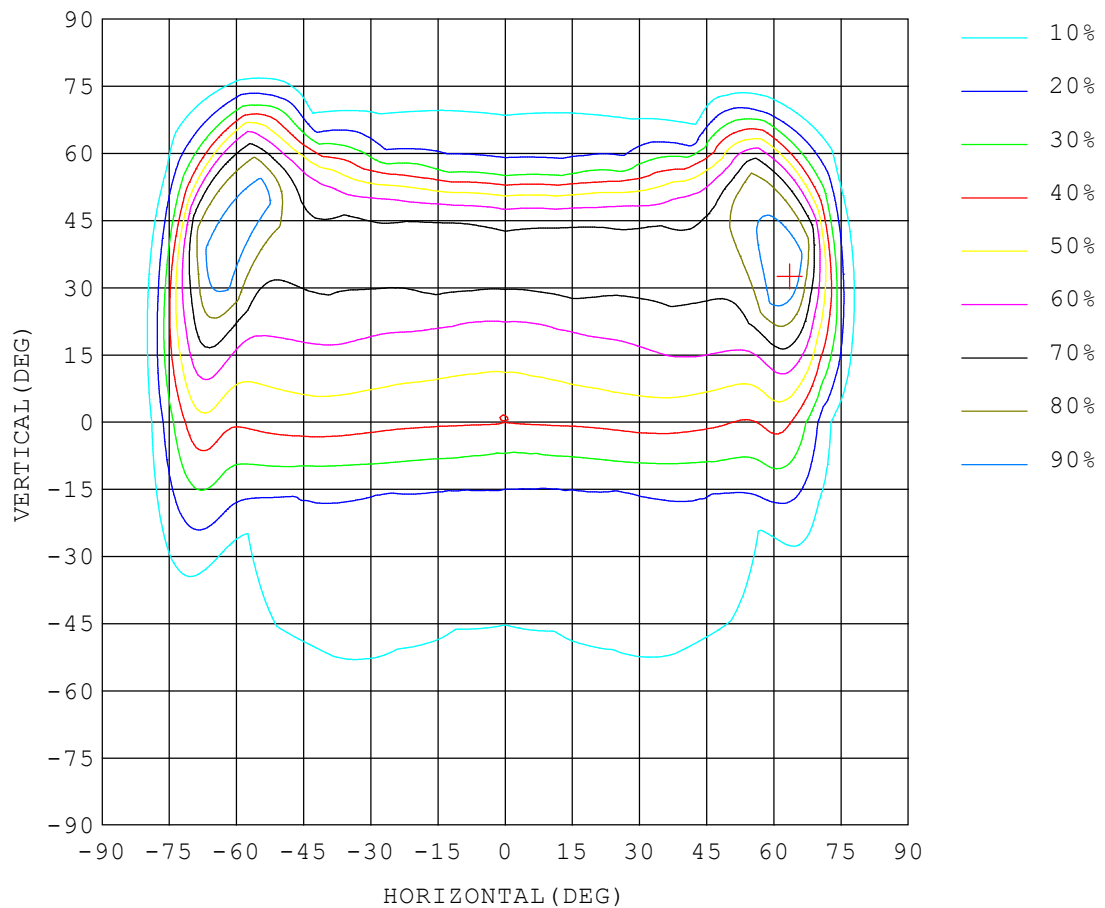
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## ISOCANDELA DIAGRAM

Report number:

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NAME: Muller	TYPE: IL-ST11-D04040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

UNIT: cd



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