

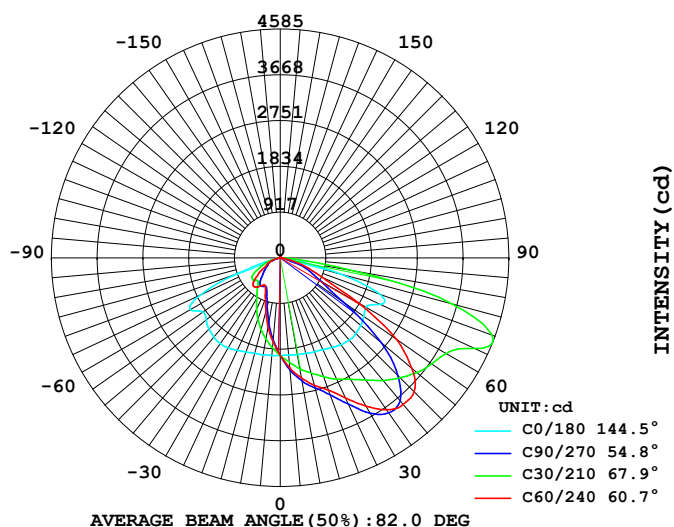
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

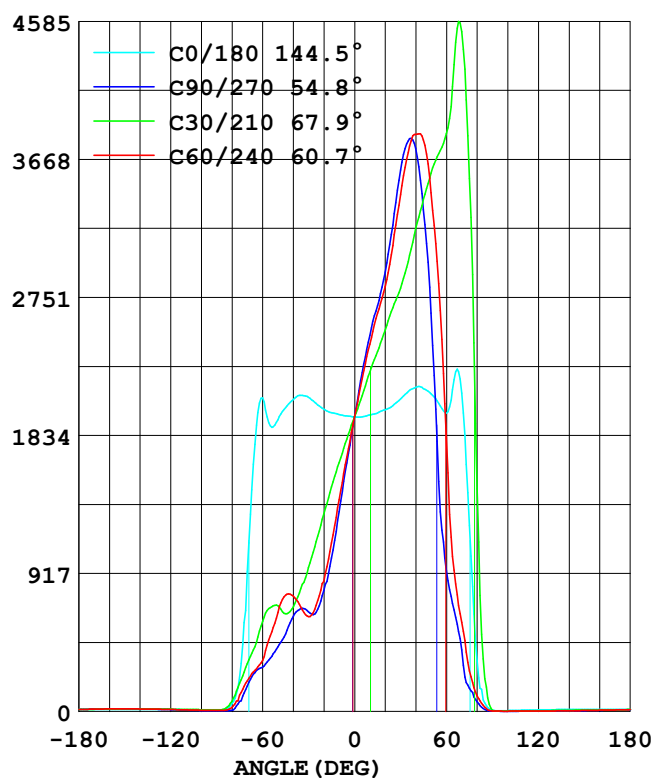
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D06040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	4828	S/MH (C0/180)	1.62
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	60	TOTAL FLUX(lm)	8411.0	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	140.4	Current(A)	0.268
NOMINAL FLUX(lm)	8411.0	η up (%)	0.7	Power(W)	59.90
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:

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NAME: Muller	TYPE: IL-ST11-D06040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

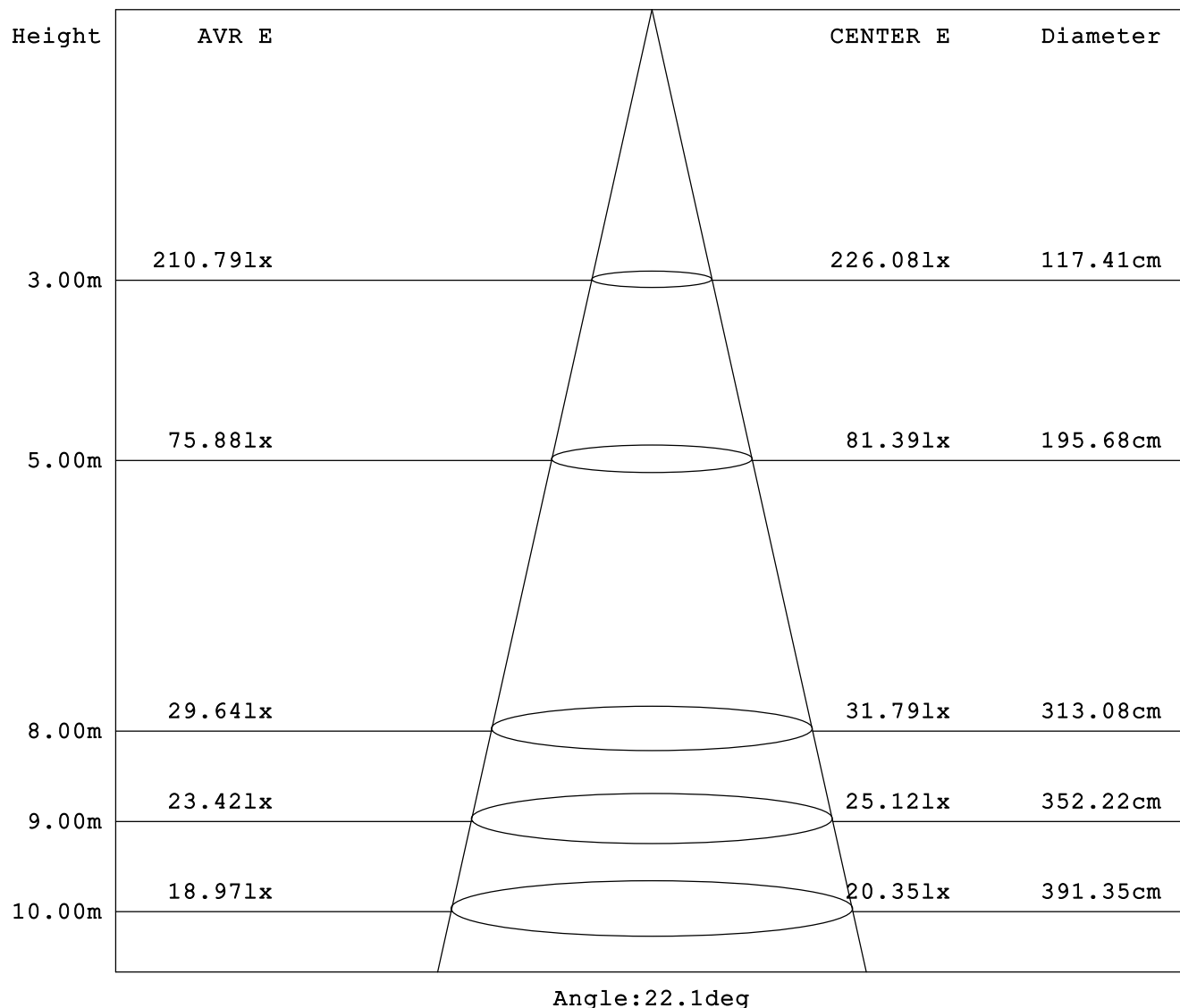
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AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D06040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1964	1743	1652	1748	1957	2167	2251	2175	0- 5	46.80	46.80
10.0	1973	1514	1329	1525	1970	2372	2497	2366	5- 10	139.6	186.4
15.0	1984	1274	1020	1290	1984	2550	2695	2550	10- 15	229.2	415.6
20.0	2008	1063	802.7	1050	2004	2724	2919	2713	15- 20	315.0	730.7
25.0	2046	847.8	657.8	854.4	2031	2910	3231	2926	20- 25	402.8	1134
30.0	2088	700.1	662.7	691.6	2076	3143	3596	3174	25- 30	499.5	1633
35.0	2100	657.7	682.9	633.9	2125	3344	3790	3397	30- 35	606.4	2240
40.0	2072	739.5	631.6	691.5	2153	3587	3742	3609	35- 40	708.8	2949
45.0	2019	837.2	516.6	799.3	2145	3748	3333	3717	40- 45	787.9	3736
50.0	1939	839.8	429.7	815.9	2111	3784	2646	3692	45- 50	825.8	4562
55.0	1898	773.5	353.7	752.3	2046	3608	1527	3367	50- 55	808.8	5371
60.0	2083	559.1	295.5	577.4	1981	3154	935.0	2899	55- 60	745.7	6117
65.0	1776	346.4	258.6	352.0	2204	2516	674.6	1958	60- 65	706.4	6823
70.0	927.1	229.1	169.5	238.5	2115	1358	409.9	728.1	65- 70	668.3	7492
75.0	228.4	128.4	66.72	128.8	1234	481.7	154.8	338.2	70- 75	513.9	8005
80.0	52.84	33.61	8.283	41.06	336.1	165.0	65.25	138.2	75- 80	266.9	8272
85.0	14.63	6.813	5.590	8.898	55.61	55.67	14.33	40.06	80- 85	67.91	8340
90.0	9.899	5.400	5.183	5.269	8.990	11.86	2.795	9.346	85- 90	10.22	8351
95.0	10.28	7.015	5.336	7.009	5.021	6.864	2.032	6.512	90- 95	3.603	8354
100.0	10.99	8.630	6.098	8.849	6.360	5.955	1.727	5.717	95-100	3.483	8358
105.0	11.71	10.14	7.318	10.53	7.651	5.551	1.982	5.418	100-105	3.748	8361
110.0	12.29	11.55	8.995	12.08	8.895	5.400	2.286	5.319	105-110	4.044	8365
115.0	12.86	12.76	10.82	13.57	9.851	5.400	2.642	5.269	110-115	4.308	8370
120.0	13.53	13.72	12.55	14.71	10.76	5.551	3.049	5.319	115-120	4.513	8374
125.0	14.20	14.68	14.07	15.65	11.62	5.753	3.405	5.468	120-125	4.646	8379
130.0	14.68	15.59	15.29	16.35	12.48	6.157	3.811	5.717	125-130	4.693	8384
135.0	14.72	16.30	16.11	16.70	13.15	6.611	4.218	6.114	130-135	4.614	8388
140.0	14.44	16.75	16.77	16.80	13.48	7.217	4.675	6.611	135-140	4.384	8393
145.0	14.05	17.10	17.38	16.80	13.43	7.873	5.285	7.208	140-145	4.048	8397
150.0	13.86	17.21	17.88	16.60	13.24	8.630	6.047	7.904	145-150	3.653	8400
155.0	13.77	16.95	18.14	16.15	13.15	9.387	6.962	8.550	150-155	3.202	8403
160.0	13.72	16.35	17.88	15.51	13.15	10.09	7.979	9.197	155-160	2.687	8406
165.0	13.67	15.64	17.07	14.76	13.24	10.80	8.995	9.843	160-165	2.120	8408
170.0	13.67	14.83	15.85	13.91	13.34	11.55	10.06	10.58	165-170	1.524	8410
175.0	13.67	13.82	14.38	12.87	13.43	12.36	11.23	11.33	170-175	0.915	8411
180.0	13.62	12.92	12.85	11.88	13.62	13.27	12.65	12.22	175-180	0.304	8411
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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Operators:
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Humidity:65.0%
Test Distance:10.000 m
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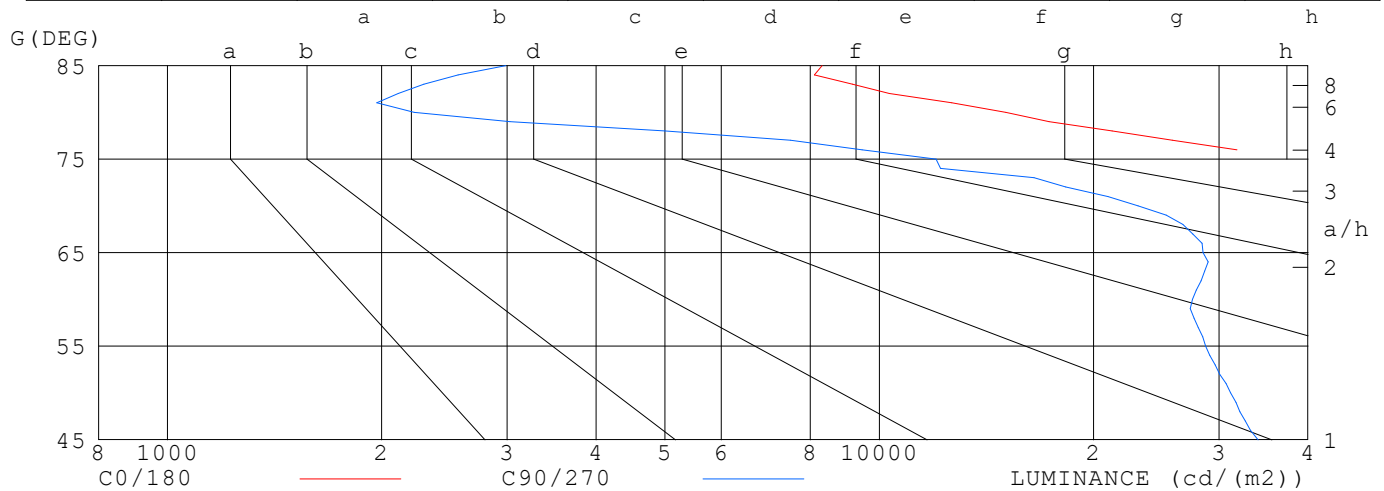
LUMINANCE LIMITATION CURVES

Report number:

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NAME: Muller	TYPE: IL-ST11-D06040-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	8312	2988
80	15065	2222
75	43705	12010
70	134202	23098
65	207990	28508
60	206241	27538
55	163820	28727
50	149341	31144
45	141368	34036

Test System:
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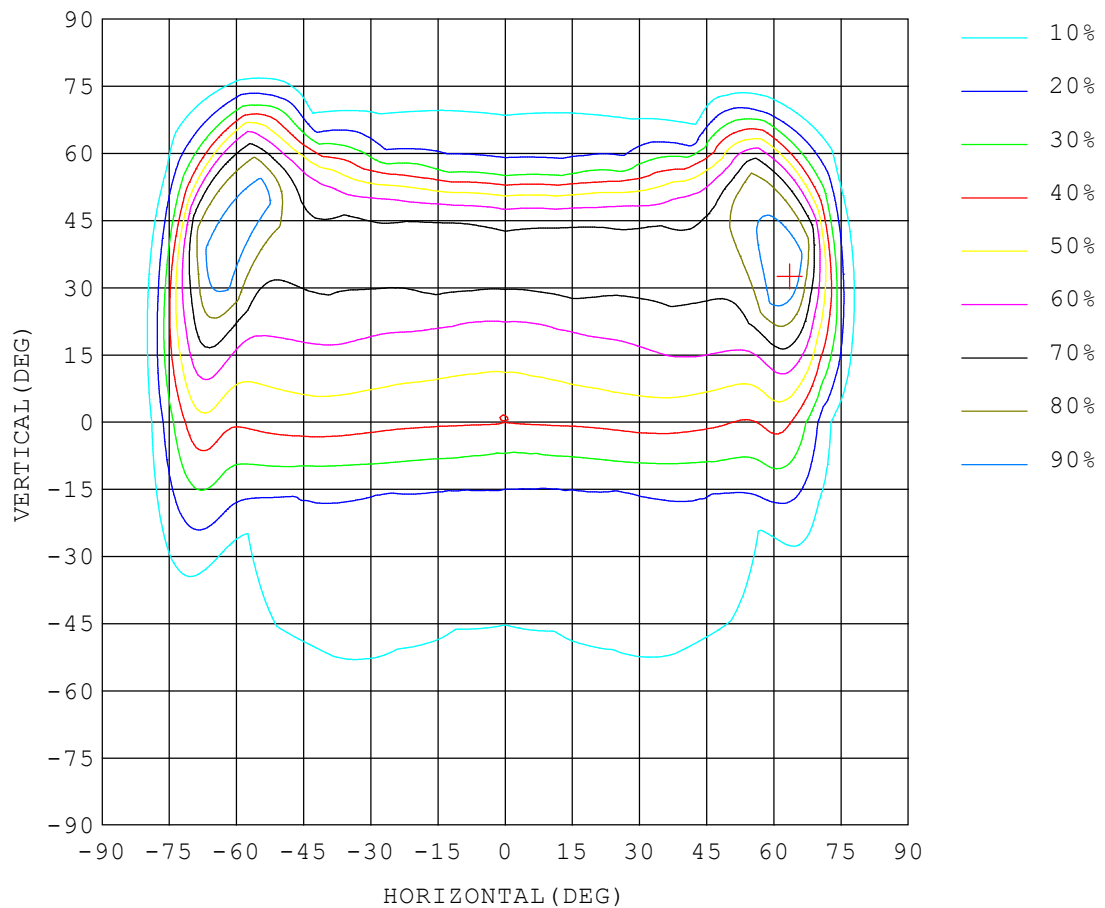
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ISOCANDELA DIAGRAM

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

UNIT: cd



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