

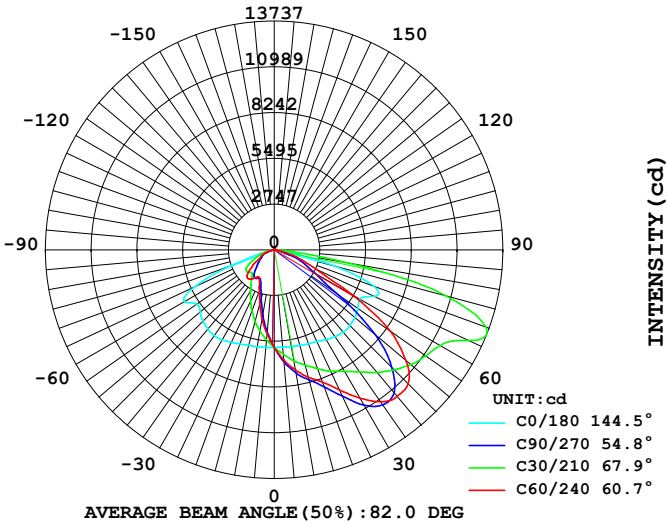
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

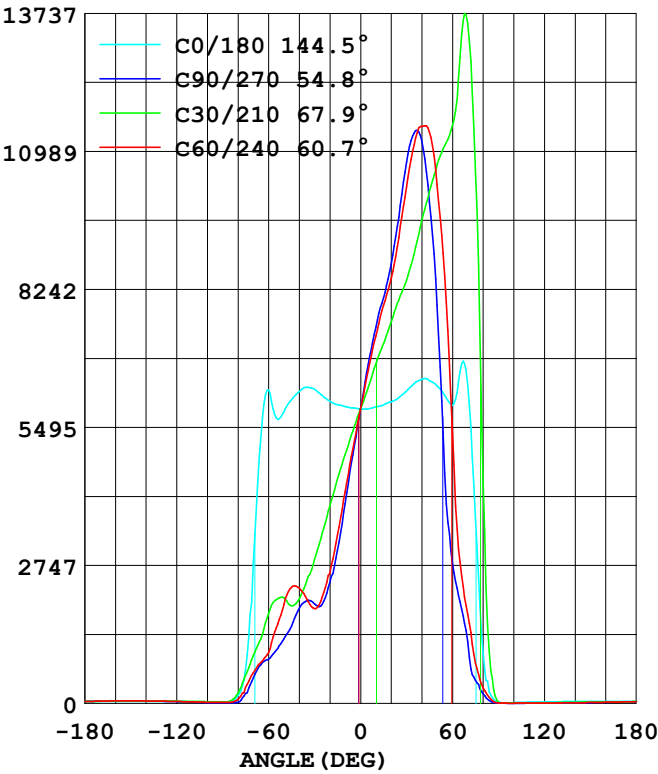
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D18040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	14465	S/MH (C0/180)	1.62
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	180	TOTAL FLUX(lm)	25200	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	140.1	Current(A)	0.806
NOMINAL FLUX(lm)	25200.0	η up (%)	0.7	Power(W)	179.8
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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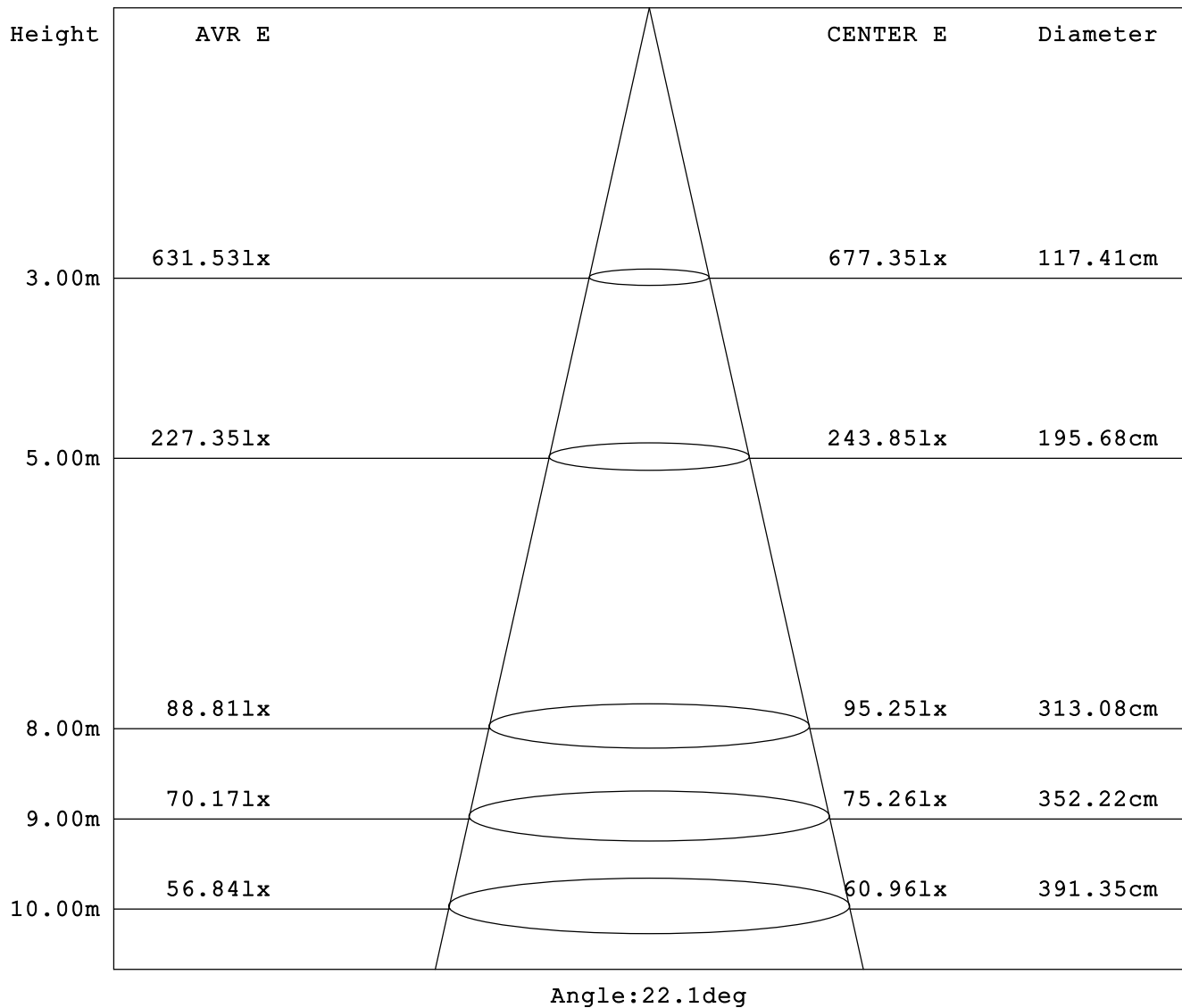
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AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

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

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	588.3	522.2	494.9	523.6	586.3	649.2	674.5	651.5	0- 5	140.2	140.2
10.0	591.2	453.7	398.1	456.7	590.3	710.6	748.0	709.0	5- 10	418.4	558.6
15.0	594.5	381.6	305.6	386.5	594.4	763.9	807.5	763.9	10- 15	686.7	1245
20.0	601.5	318.5	240.5	314.5	600.5	816.1	874.6	812.8	15- 20	943.8	2189
25.0	613.0	254.0	197.1	256.0	608.5	871.9	967.9	876.7	20- 25	1207	3396
30.0	625.4	209.7	198.5	207.2	621.8	941.7	1077	951.0	25- 30	1497	4893
35.0	629.1	197.0	204.6	189.9	636.5	1002	1136	1018	30- 35	1817	6710
40.0	620.7	221.5	189.2	207.1	645.1	1075	1121	1081	35- 40	2124	8834
45.0	604.9	250.8	154.7	239.4	642.6	1123	998.6	1114	40- 45	2361	11195
50.0	580.9	251.6	128.7	244.4	632.3	1134	792.8	1106	45- 50	2474	13669
55.0	568.6	231.7	105.9	225.4	613.0	1081	457.4	1009	50- 55	2423	16092
60.0	624.1	167.5	88.55	173.0	593.4	945.1	280.1	868.7	55- 60	2234	18326
65.0	531.9	103.7	77.48	105.4	660.3	753.9	202.1	586.6	60- 65	2116	20443
70.0	277.7	68.66	50.81	71.47	633.8	406.9	122.8	218.1	65- 70	2002	22445
75.0	68.45	38.48	19.99	38.60	369.7	144.3	46.39	101.3	70- 75	1540	23985
80.0	15.83	10.07	2.481	12.30	100.7	49.44	19.55	41.42	75- 80	799.7	24785
85.0	4.384	2.041	1.674	2.666	16.66	16.67	4.293	12.00	80- 85	203.4	24988
90.0	2.965	1.618	1.553	1.578	2.693	3.553	0.837	2.800	85- 90	30.64	25019
95.0	3.080	2.101	1.598	2.100	1.504	2.056	0.609	1.951	90- 95	10.79	25030
100.0	3.295	2.585	1.827	2.651	1.905	1.784	0.518	1.712	95-100	10.43	25040
105.0	3.510	3.039	2.192	3.157	2.292	1.663	0.594	1.623	100-105	11.23	25051
110.0	3.682	3.462	2.695	3.619	2.665	1.618	0.685	1.593	105-110	12.11	25063
115.0	3.854	3.825	3.243	4.066	2.951	1.618	0.792	1.578	110-115	12.90	25076
120.0	4.054	4.113	3.760	4.408	3.223	1.663	0.914	1.593	115-120	13.52	25090
125.0	4.255	4.400	4.217	4.691	3.481	1.723	1.020	1.638	120-125	13.92	25104
130.0	4.398	4.672	4.583	4.900	3.739	1.844	1.141	1.712	125-130	14.06	25118
135.0	4.413	4.884	4.826	5.004	3.940	1.980	1.263	1.832	130-135	13.82	25132
140.0	4.327	5.020	5.024	5.034	4.040	2.162	1.400	1.980	135-140	13.13	25145
145.0	4.212	5.126	5.207	5.034	4.026	2.358	1.583	2.159	140-145	12.13	25157
150.0	4.155	5.156	5.359	4.974	3.968	2.585	1.811	2.368	145-150	10.94	25168
155.0	4.126	5.080	5.435	4.840	3.940	2.812	2.086	2.561	150-155	9.596	25177
160.0	4.112	4.899	5.359	4.647	3.940	3.024	2.390	2.755	155-160	8.050	25185
165.0	4.097	4.687	5.116	4.423	3.968	3.236	2.695	2.949	160-165	6.352	25192
170.0	4.097	4.445	4.750	4.170	3.997	3.462	3.014	3.172	165-170	4.567	25196
175.0	4.097	4.143	4.309	3.857	4.026	3.704	3.365	3.395	170-175	2.740	25199
180.0	4.083	3.871	3.852	3.559	4.083	3.977	3.791	3.664	175-180	0.910	25200
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

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Operators:
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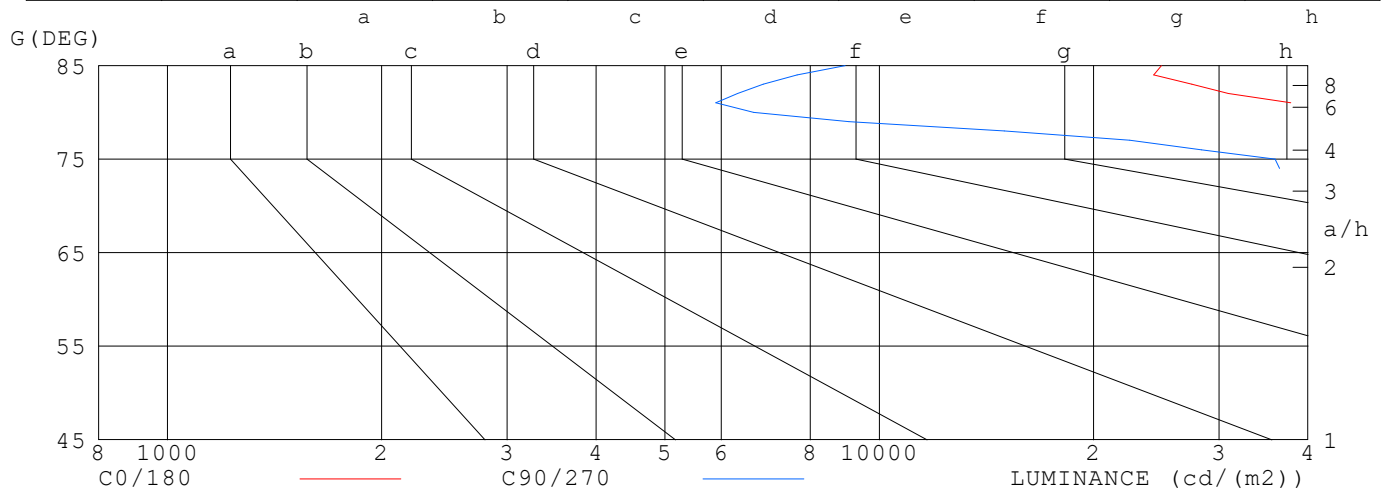
LUMINANCE LIMITATION CURVES

Report number:

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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	24903	8952
80	45136	6658
75	130942	35983
70	402079	69204
65	623153	85411
60	617913	82506
55	490817	86069
50	447437	93310
45	423549	101975

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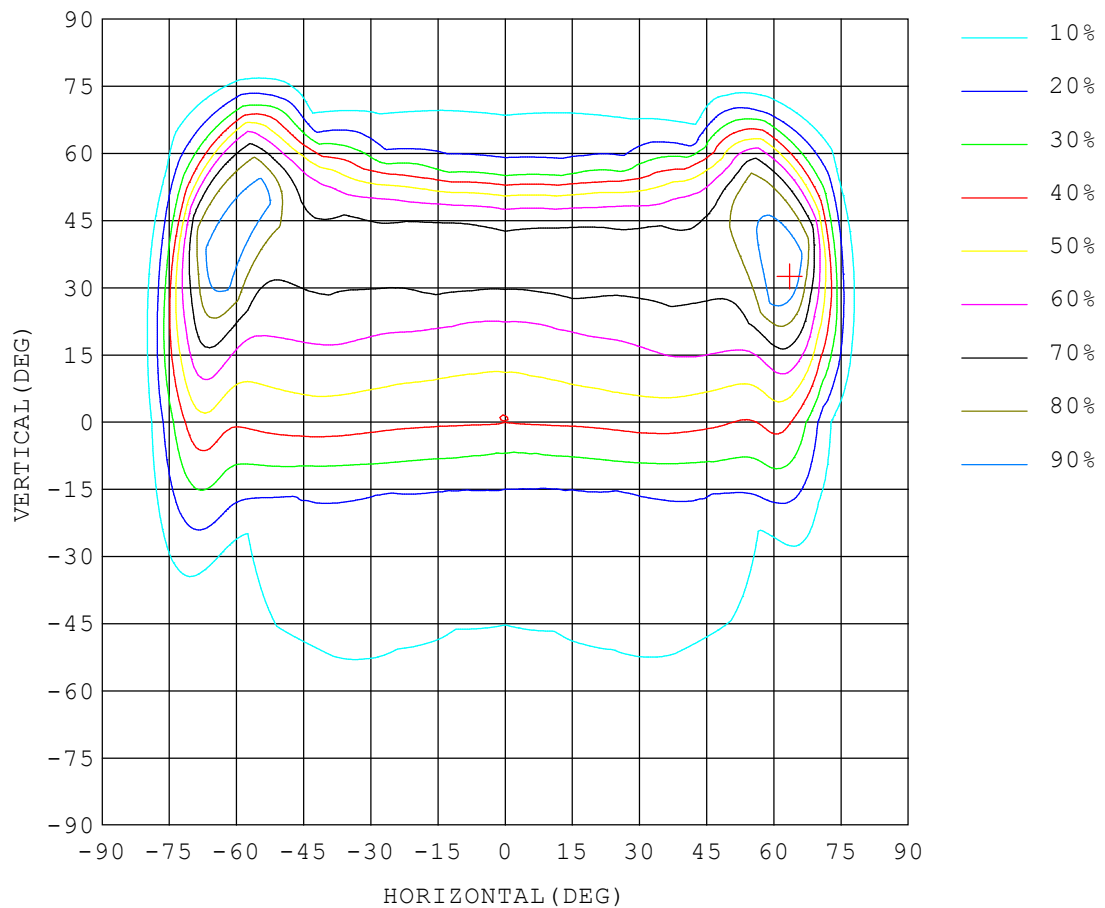
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ISOCANDELA DIAGRAM

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

UNIT: cd



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