

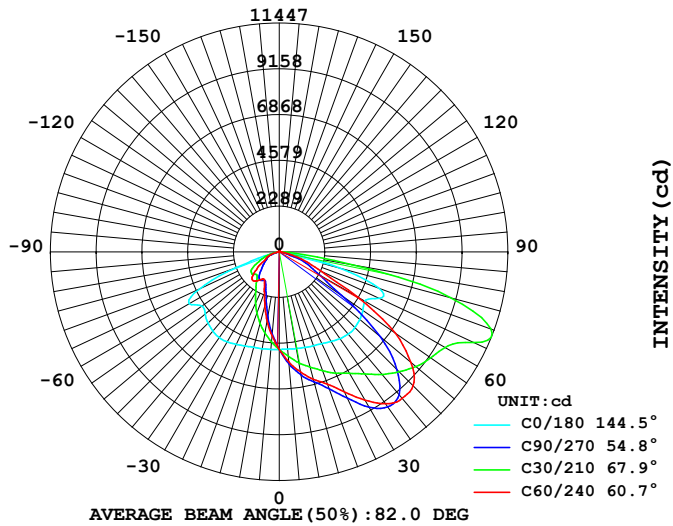
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

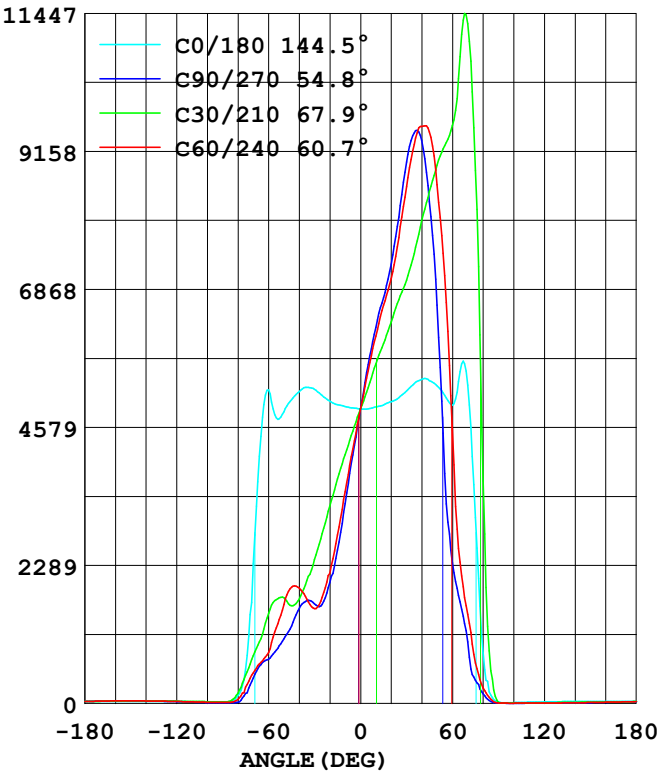
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D15040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	12054	S/MH (C0/180)	1.62
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	150	TOTAL FLUX(lm)	21000	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	140.1	Current(A)	0.672
NOMINAL FLUX(lm)	21000.0	η up (%)	0.7	Power(W)	149.8
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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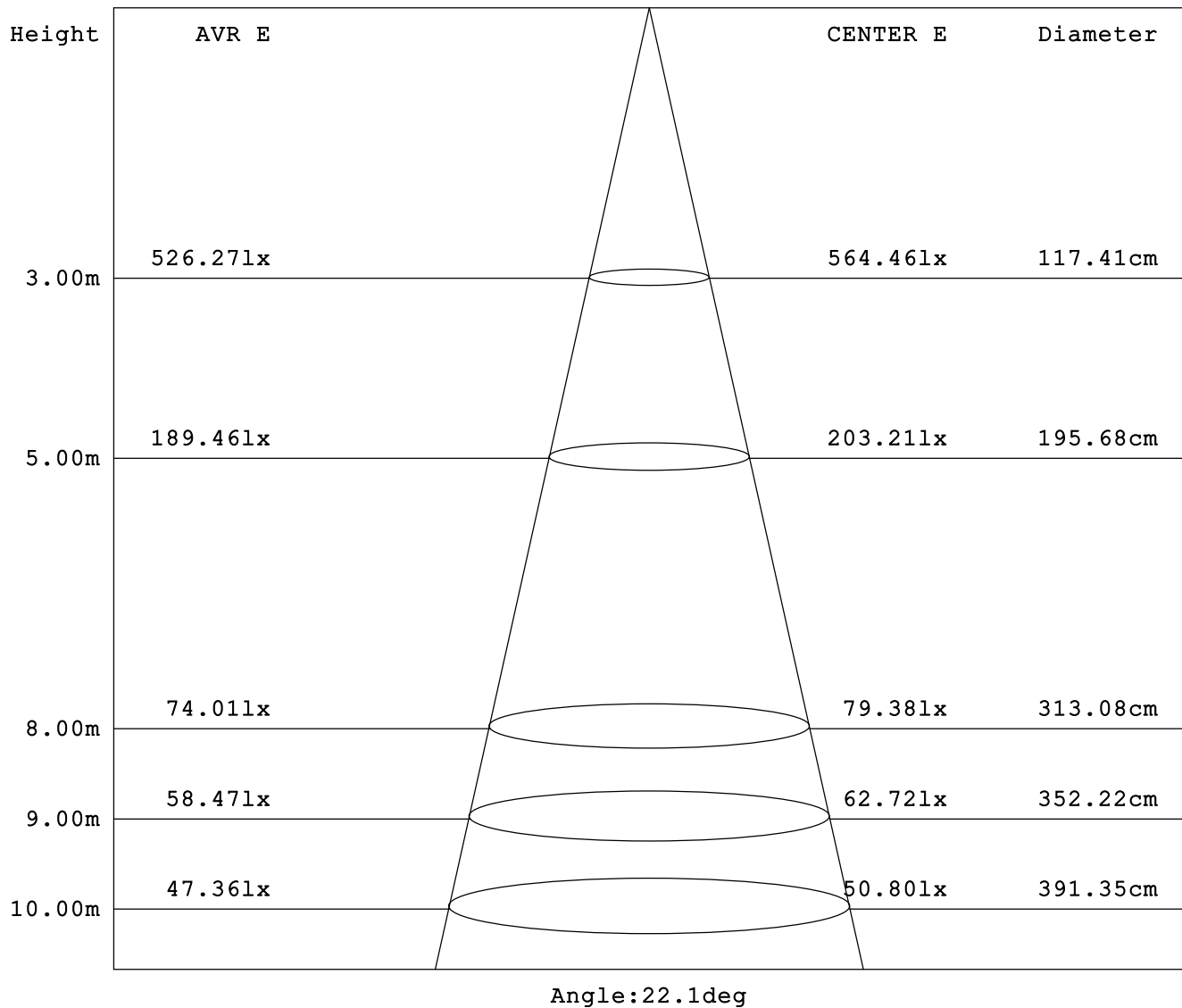
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AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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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	490.2	435.1	412.4	436.3	488.5	541.0	562.0	542.9	0- 5	116.8	116.8
10.0	492.6	378.1	331.8	380.6	491.9	592.2	623.3	590.8	5- 10	348.7	465.5
15.0	495.4	318.0	254.7	322.1	495.3	636.6	672.9	636.6	10- 15	572.3	1038
20.0	501.3	265.4	200.4	262.1	500.4	680.1	728.8	677.3	15- 20	786.5	1824
25.0	510.8	211.6	164.2	213.3	507.0	726.6	806.5	730.6	20- 25	1006	2830
30.0	521.1	174.8	165.4	172.6	518.2	784.7	897.8	792.5	25- 30	1247	4078
35.0	524.2	164.2	170.5	158.2	530.4	834.8	946.3	848.1	30- 35	1514	5592
40.0	517.2	184.6	157.6	172.6	537.6	895.4	934.1	901.0	35- 40	1770	7362
45.0	504.1	209.0	128.9	199.5	535.5	935.6	832.1	927.9	40- 45	1967	9329
50.0	484.1	209.6	107.2	203.7	526.9	944.7	660.7	921.7	45- 50	2062	11391
55.0	473.9	193.1	88.31	187.8	510.8	900.8	381.2	840.7	50- 55	2019	13410
60.0	520.0	139.5	73.79	144.1	494.5	787.5	233.4	723.9	55- 60	1862	15272
65.0	443.3	86.49	64.57	87.90	550.2	628.2	168.4	488.9	60- 65	1764	17036
70.0	231.4	57.22	42.34	59.56	528.1	339.1	102.3	181.7	65- 70	1669	18704
75.0	57.04	32.07	16.66	32.17	308.1	120.2	38.66	84.44	70- 75	1283	19987
80.0	13.19	8.392	2.068	10.25	83.92	41.20	16.29	34.51	75- 80	666.4	20654
85.0	3.653	1.701	1.395	2.221	13.88	13.89	3.578	10.00	80- 85	169.5	20823
90.0	2.471	1.348	1.294	1.315	2.244	2.961	0.698	2.333	85- 90	25.54	20849
95.0	2.567	1.751	1.332	1.750	1.253	1.713	0.508	1.626	90- 95	8.997	20858
100.0	2.746	2.154	1.522	2.209	1.588	1.486	0.431	1.427	95-100	8.697	20867
105.0	2.925	2.532	1.827	2.631	1.910	1.386	0.495	1.352	100-105	9.358	20876
110.0	3.068	2.885	2.245	3.016	2.220	1.348	0.571	1.328	105-110	10.09	20886
115.0	3.211	3.188	2.702	3.388	2.459	1.348	0.660	1.315	110-115	10.75	20897
120.0	3.379	3.427	3.134	3.674	2.686	1.386	0.761	1.328	115-120	11.26	20908
125.0	3.546	3.667	3.514	3.909	2.901	1.436	0.850	1.365	120-125	11.60	20920
130.0	3.665	3.893	3.819	4.083	3.116	1.537	0.952	1.427	125-130	11.71	20931
135.0	3.677	4.070	4.022	4.170	3.283	1.650	1.053	1.526	130-135	11.52	20943
140.0	3.605	4.183	4.187	4.195	3.367	1.802	1.167	1.650	135-140	10.94	20954
145.0	3.510	4.271	4.339	4.195	3.355	1.965	1.319	1.799	140-145	10.10	20964
150.0	3.462	4.297	4.466	4.145	3.307	2.154	1.509	1.973	145-150	9.122	20973
155.0	3.438	4.234	4.529	4.033	3.283	2.343	1.738	2.134	150-155	7.996	20981
160.0	3.426	4.082	4.466	3.872	3.283	2.520	1.992	2.296	155-160	6.708	20988
165.0	3.414	3.906	4.263	3.686	3.307	2.696	2.245	2.457	160-165	5.293	20993
170.0	3.414	3.704	3.958	3.475	3.331	2.885	2.512	2.643	165-170	3.805	20997
175.0	3.414	3.452	3.590	3.214	3.355	3.087	2.804	2.829	170-175	2.283	20999
180.0	3.402	3.225	3.210	2.966	3.402	3.314	3.159	3.053	175-180	0.758	21000
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

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

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Humidity:65.0%
Test Distance:10.000 m
Remarks:

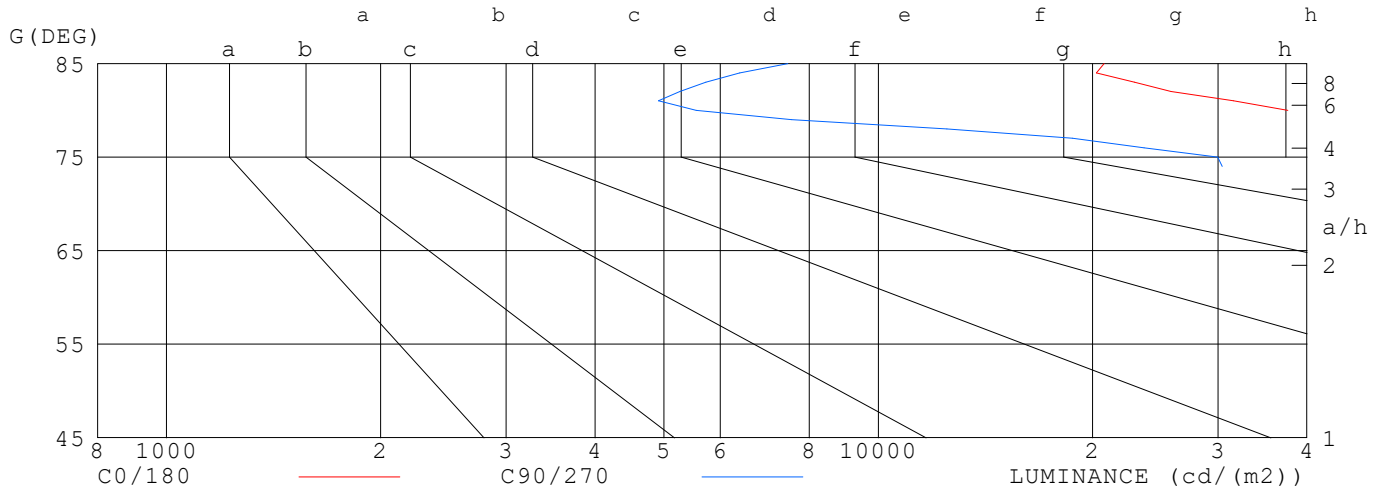
LUMINANCE LIMITATION CURVES

Report number:

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NAME: Muller	TYPE: IL-ST11-D15040-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	20753	7460
80	37613	5548
75	109118	29986
70	335065	57670
65	519294	71176
60	514928	68755
55	409014	71724
50	372864	77758
45	352958	84979

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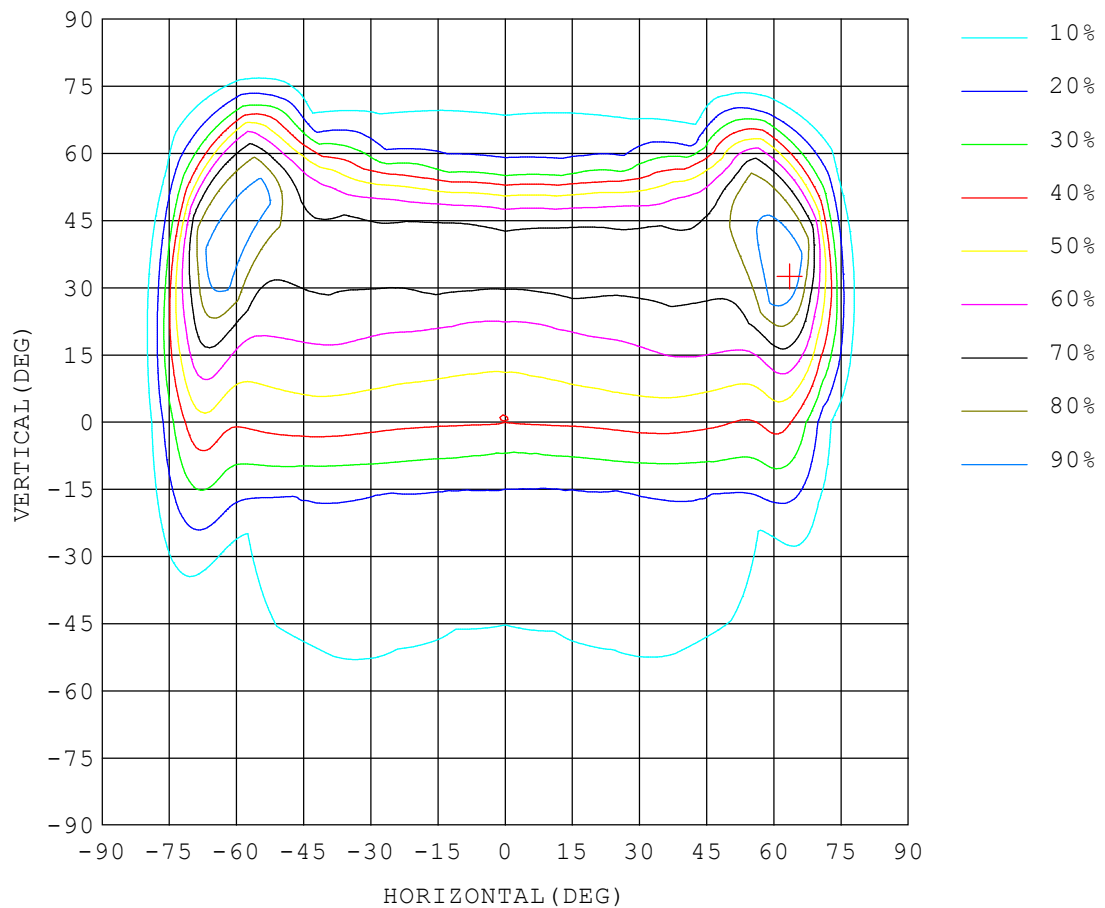
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ISOCANDELA DIAGRAM

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

UNIT: cd



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