

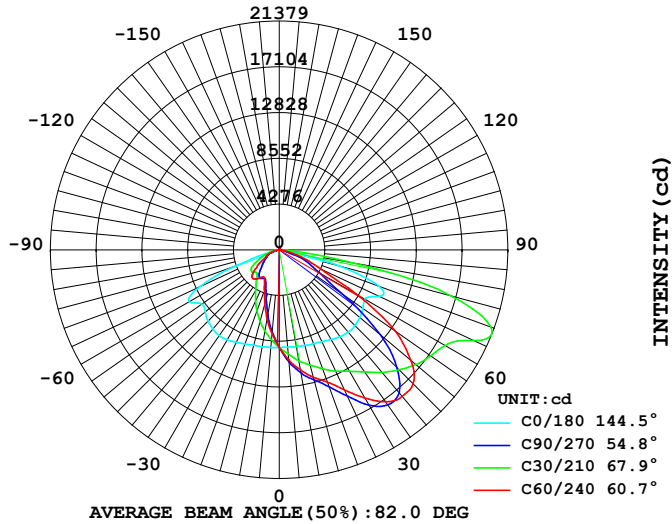
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

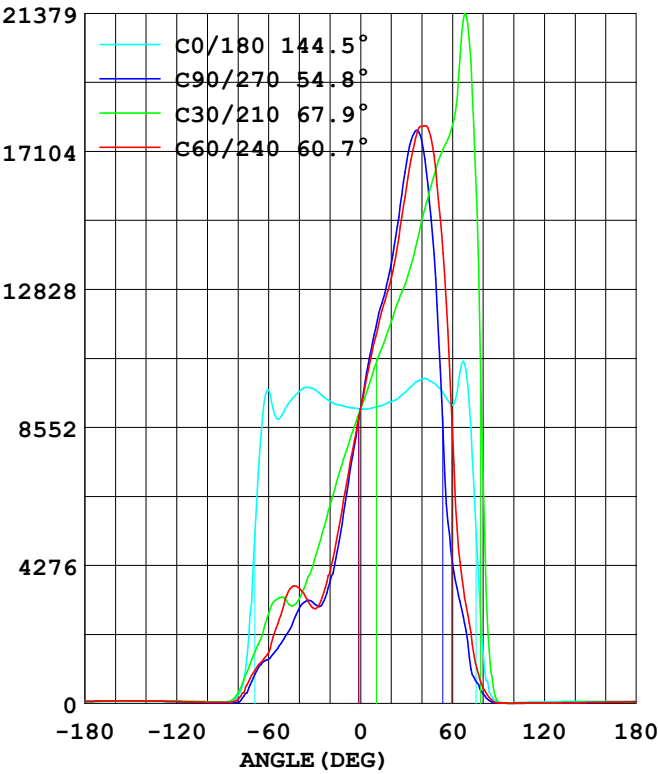
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D28040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	22512	S/MH (C0/180)	1.62
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	280	TOTAL FLUX(lm)	39221	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	140.1	Current(A)	1.250
NOMINAL FLUX(lm)	39221.0	η up (%)	0.7	Power(W)	280.0
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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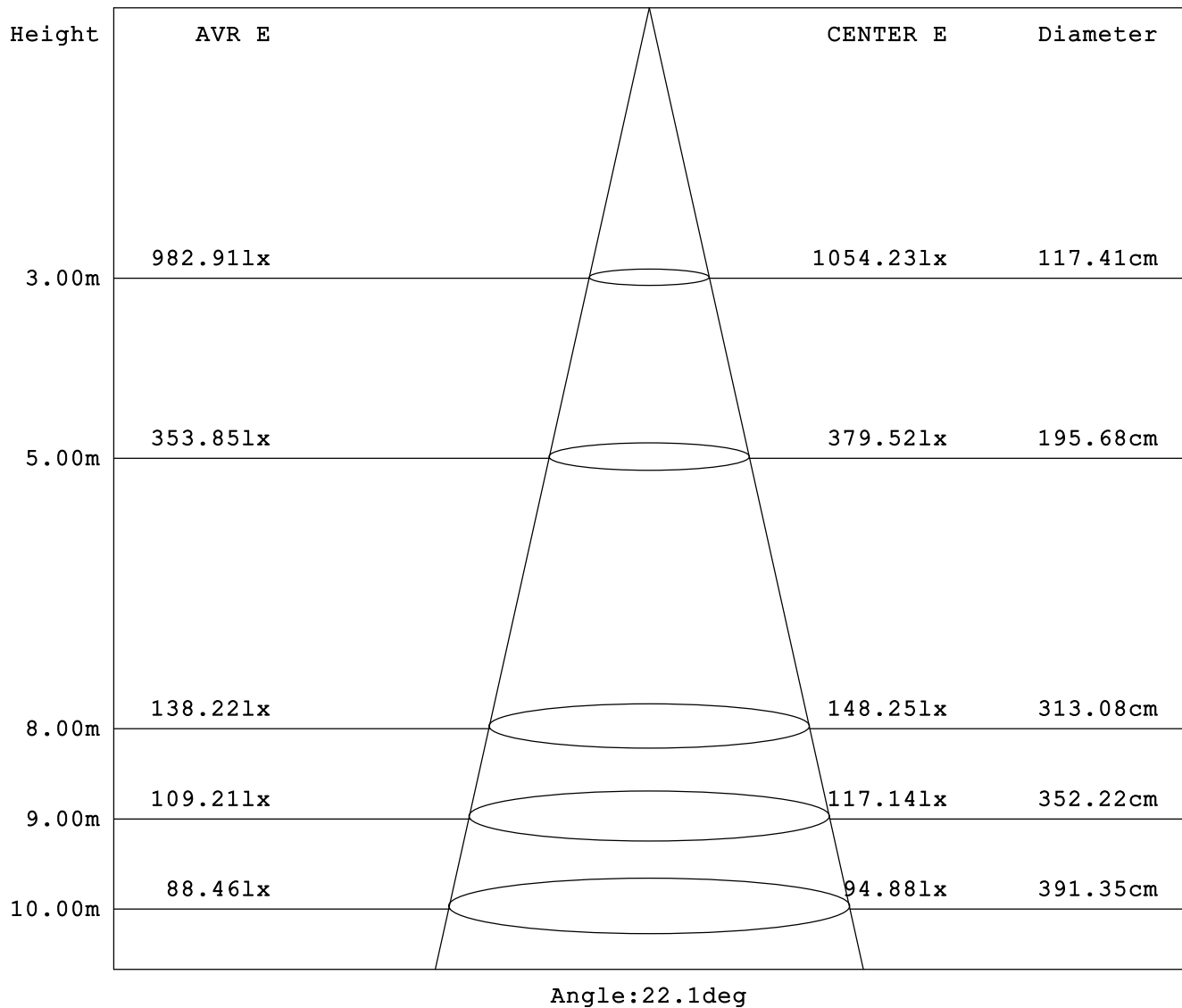
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Operators:
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AVERAGE AND CENTER E Figure

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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	915.6	812.7	770.2	814.9	912.5	1011	1050	1014	0- 5	218.2	218.2
10.0	920.1	706.1	619.7	710.9	918.7	1106	1164	1104	5- 10	651.2	869.5
15.0	925.3	593.9	475.7	601.5	925.1	1189	1257	1189	10- 15	1069	1938
20.0	936.2	495.8	374.3	489.6	934.6	1270	1361	1265	15- 20	1469	3407
25.0	954.1	395.3	306.7	398.4	947.0	1357	1506	1365	20- 25	1878	5286
30.0	973.4	326.4	309.0	322.5	967.8	1466	1677	1480	25- 30	2330	7616
35.0	979.1	306.7	318.4	295.5	990.7	1559	1767	1584	30- 35	2828	10443
40.0	966.0	344.8	294.5	322.4	1004	1672	1745	1683	35- 40	3306	13749
45.0	941.5	390.4	240.9	372.7	1000	1748	1554	1733	40- 45	3674	17423
50.0	904.2	391.6	200.3	380.4	984.1	1764	1234	1721	45- 50	3851	21274
55.0	885.0	360.7	164.9	350.8	954.1	1683	712.0	1570	50- 55	3772	25045
60.0	971.3	260.7	137.8	269.2	923.6	1471	436.0	1352	55- 60	3477	28523
65.0	827.9	161.5	120.6	164.1	1028	1173	314.5	913.1	60- 65	3294	31817
70.0	432.3	106.8	79.08	111.2	986.4	633.4	191.1	339.5	65- 70	3117	34933
75.0	106.5	59.89	31.11	60.08	575.4	224.6	72.20	157.7	70- 75	2396	37330
80.0	24.64	15.67	3.862	19.14	156.7	76.96	30.42	64.46	75- 80	1245	38574
85.0	6.823	3.177	2.606	4.149	25.93	25.95	6.682	18.68	80- 85	316.7	38891
90.0	4.616	2.518	2.417	2.457	4.192	5.530	1.303	4.358	85- 90	47.70	38939
95.0	4.794	3.271	2.488	3.268	2.341	3.200	0.948	3.036	90- 95	16.80	38956
100.0	5.129	4.024	2.843	4.126	2.965	2.777	0.806	2.665	95-100	16.24	38972
105.0	5.463	4.730	3.412	4.914	3.568	2.588	0.924	2.526	100-105	17.47	38989
110.0	5.731	5.389	4.194	5.633	4.147	2.518	1.066	2.480	105-110	18.85	39008
115.0	5.998	5.954	5.047	6.328	4.593	2.518	1.232	2.457	110-115	20.09	39028
120.0	6.310	6.401	5.853	6.861	5.017	2.588	1.421	2.480	115-120	21.04	39049
125.0	6.623	6.848	6.564	7.302	5.418	2.683	1.587	2.550	120-125	21.66	39071
130.0	6.846	7.272	7.133	7.626	5.820	2.871	1.777	2.665	125-130	21.88	39093
135.0	6.868	7.601	7.512	7.789	6.132	3.083	1.966	2.851	130-135	21.51	39115
140.0	6.734	7.813	7.820	7.835	6.288	3.365	2.180	3.083	135-140	20.44	39135
145.0	6.556	7.978	8.104	7.835	6.266	3.671	2.464	3.361	140-145	18.87	39154
150.0	6.467	8.025	8.341	7.742	6.177	4.024	2.820	3.685	145-150	17.03	39171
155.0	6.422	7.907	8.460	7.534	6.132	4.377	3.246	3.987	150-155	14.93	39186
160.0	6.400	7.625	8.341	7.232	6.132	4.707	3.720	4.288	155-160	12.52	39198
165.0	6.377	7.295	7.962	6.885	6.177	5.036	4.194	4.590	160-165	9.886	39208
170.0	6.377	6.919	7.393	6.490	6.221	5.389	4.692	4.937	165-170	7.108	39215
175.0	6.377	6.448	6.706	6.004	6.266	5.766	5.237	5.285	170-175	4.265	39220
180.0	6.355	6.025	5.995	5.540	6.355	6.189	5.900	5.702	175-180	1.415	39221
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

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Remarks:

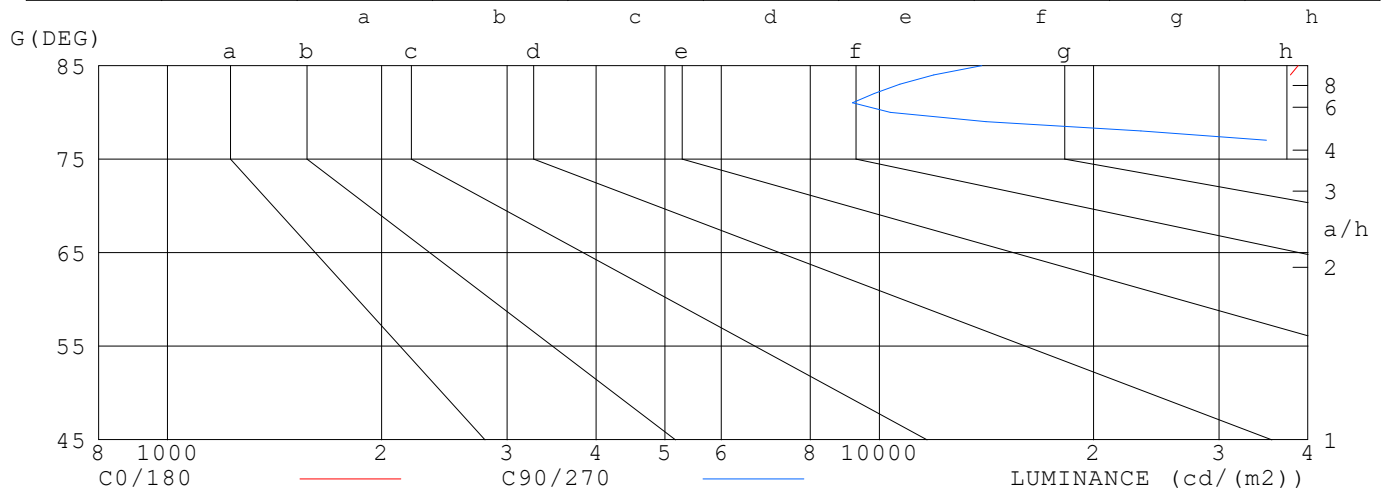
LUMINANCE LIMITATION CURVES

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	38759	13933
80	70249	10363
75	203797	56004
70	625790	107709
65	969868	132933
60	961713	128411
55	763902	133957
50	696385	145226
45	659207	158713

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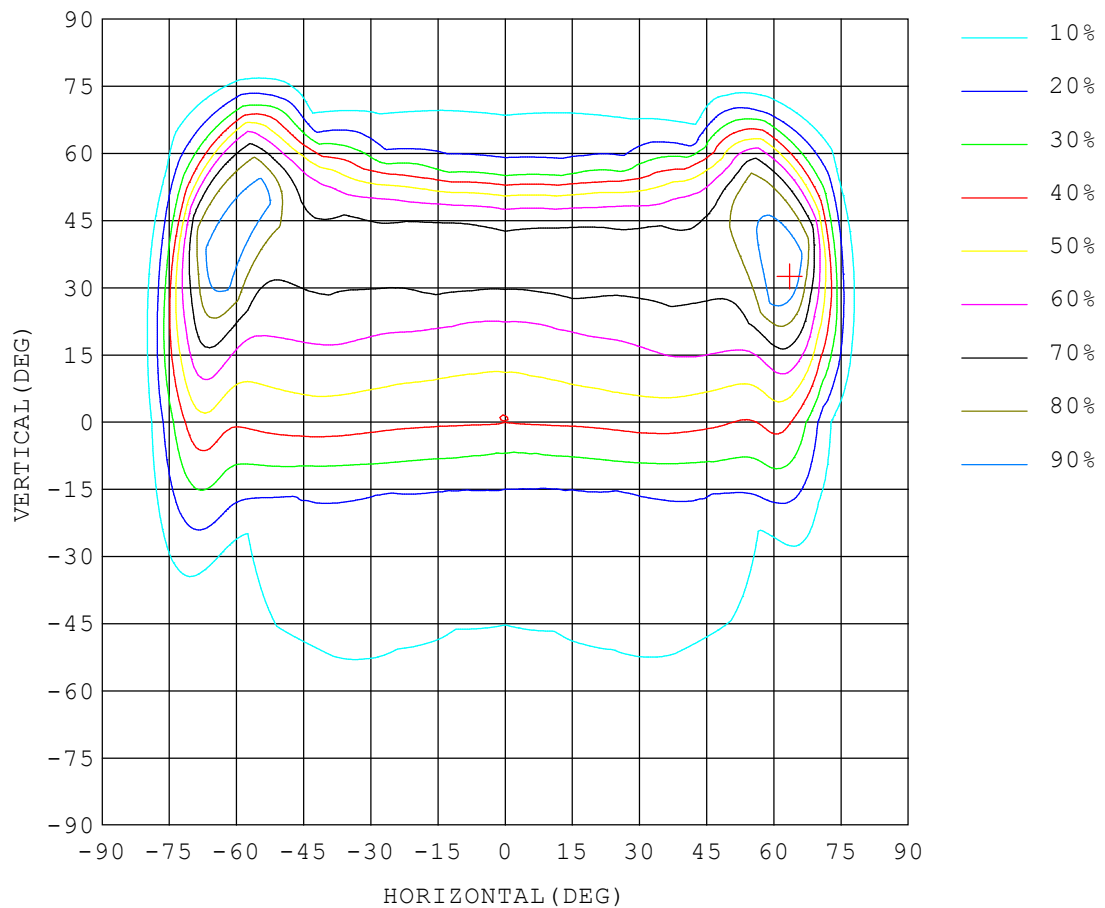
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ISOCANDELA DIAGRAM

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UNIT: cd



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