

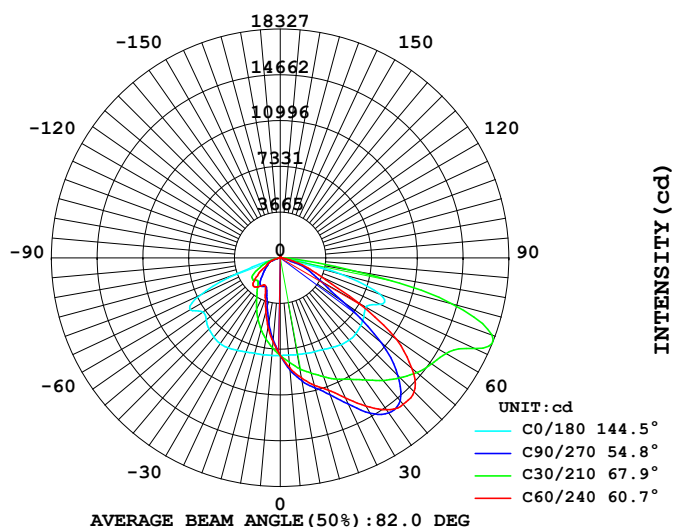
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

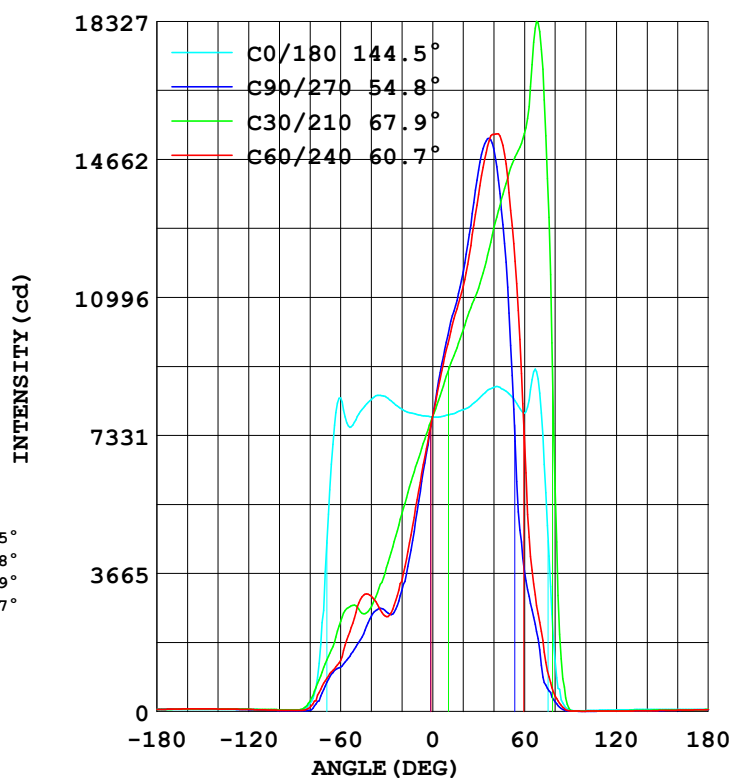
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D24040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	19298	S/MH (C0/180)	1.62
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.50
NOMINAL POWER(W)	240	TOTAL FLUX(lm)	33621	Voltage(V)	230.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	140.1	Current(A)	1.075
NOMINAL FLUX(lm)	33621.0	$\eta$ up (%)	0.7	Power(W)	240.0
LAMPS QUANTITY	1	$\eta$ down (%)	99.3	Power Factor (PF)	0.968
TEST VOLTAGE (V)	230.7	Effective Flux(lm)	0.0	EEL	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:

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## Color Temperature Data List

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D24040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

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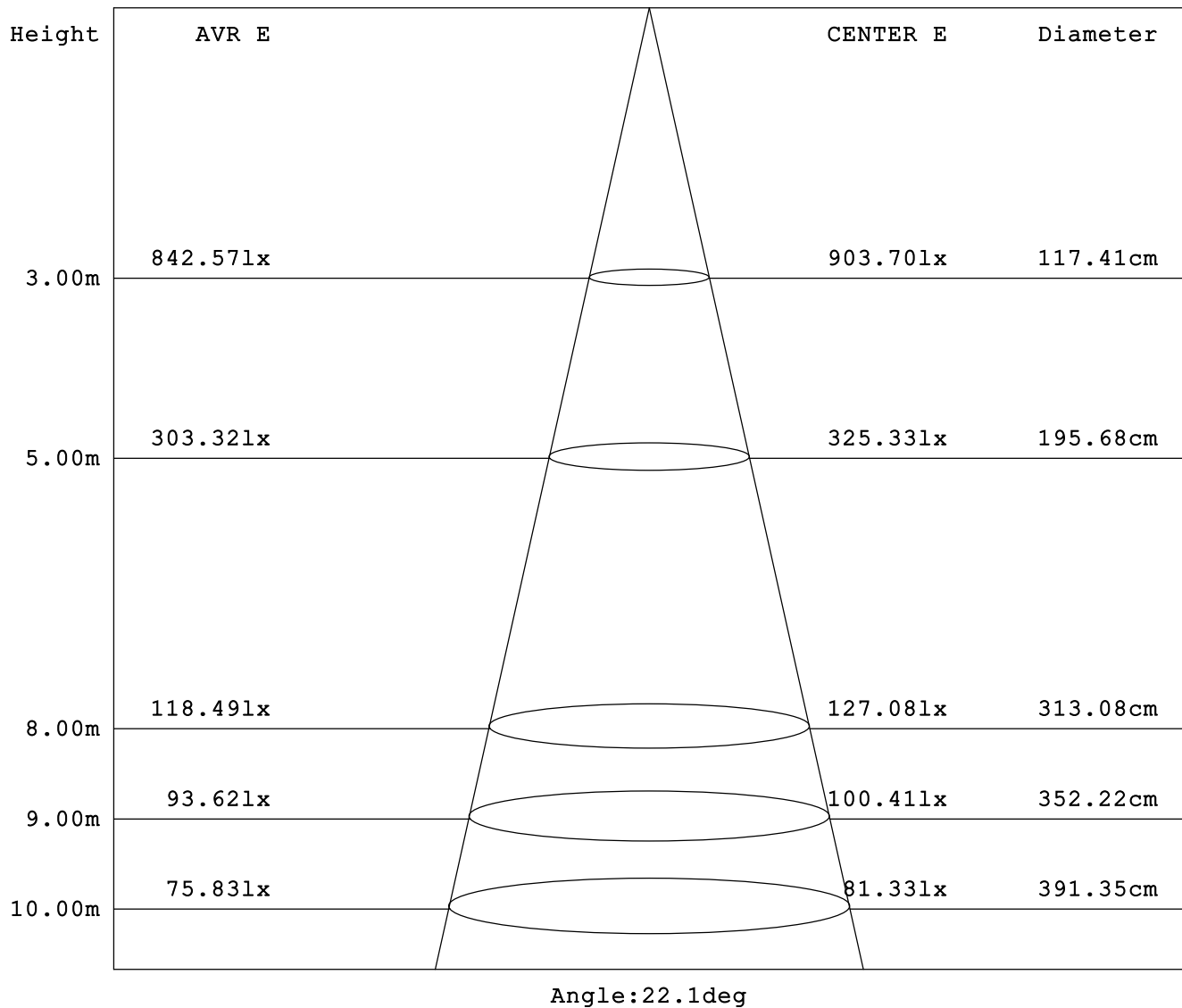
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## AVERAGE AND CENTER E Figure

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MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:



Test System:  
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Operators:  
Test Date: 2025.7.7

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Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D24040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	784.9	696.7	660.2	698.6	782.2	866.2	899.9	869.2	0- 5	187.0	187.0
10.0	788.7	605.3	531.2	609.4	787.5	948.1	998.0	945.9	5- 10	558.2	745.3
15.0	793.2	509.1	407.8	515.6	793.0	1019	1077	1019	10- 15	916.2	1662
20.0	802.6	425.0	320.8	419.6	801.1	1089	1167	1084	15- 20	1259	2921
25.0	817.8	338.8	262.9	341.5	811.8	1163	1291	1170	20- 25	1610	4531
30.0	834.4	279.8	264.9	276.4	829.6	1256	1437	1269	25- 30	1997	6528
35.0	839.3	262.9	272.9	253.3	849.2	1337	1515	1358	30- 35	2424	8952
40.0	828.1	295.6	252.4	276.4	860.7	1434	1496	1443	35- 40	2834	11786
45.0	807.1	334.6	206.5	319.5	857.3	1498	1332	1486	40- 45	3149	14935
50.0	775.1	335.7	171.7	326.1	843.6	1512	1058	1476	45- 50	3301	18236
55.0	758.7	309.2	141.3	300.7	817.8	1442	610.3	1346	50- 55	3233	21469
60.0	832.6	223.4	118.1	230.8	791.7	1261	373.7	1159	55- 60	2981	24450
65.0	709.7	138.4	103.3	140.7	880.9	1006	269.6	782.7	60- 65	2824	27274
70.0	370.6	91.61	67.79	95.36	845.5	542.9	163.8	291.0	65- 70	2672	29946
75.0	91.33	51.34	26.67	51.50	493.3	192.5	61.89	135.1	70- 75	2054	32000
80.0	21.12	13.43	3.311	16.41	134.3	65.97	26.08	55.26	75- 80	1067	33067
85.0	5.849	2.723	2.234	3.557	22.23	22.25	5.728	16.01	80- 85	271.4	33338
90.0	3.957	2.158	2.072	2.106	3.593	4.741	1.117	3.735	85- 90	40.89	33379
95.0	4.109	2.804	2.133	2.801	2.007	2.743	0.813	2.603	90- 95	14.40	33394
100.0	4.396	3.449	2.437	3.537	2.542	2.380	0.691	2.285	95-100	13.92	33408
105.0	4.683	4.055	2.925	4.212	3.058	2.219	0.792	2.166	100-105	14.98	33422
110.0	4.912	4.620	3.595	4.828	3.555	2.158	0.914	2.126	105-110	16.16	33439
115.0	5.142	5.104	4.327	5.425	3.937	2.158	1.056	2.106	110-115	17.22	33456
120.0	5.409	5.487	5.017	5.882	4.301	2.219	1.218	2.126	115-120	18.04	33474
125.0	5.677	5.870	5.627	6.259	4.645	2.299	1.361	2.185	120-125	18.57	33493
130.0	5.868	6.234	6.114	6.537	4.989	2.461	1.523	2.285	125-130	18.76	33511
135.0	5.887	6.516	6.439	6.677	5.256	2.642	1.686	2.444	130-135	18.44	33530
140.0	5.773	6.698	6.703	6.716	5.390	2.885	1.868	2.642	135-140	17.52	33547
145.0	5.620	6.839	6.947	6.716	5.371	3.147	2.112	2.881	140-145	16.18	33563
150.0	5.543	6.879	7.150	6.637	5.295	3.449	2.417	3.159	145-150	14.60	33578
155.0	5.505	6.778	7.252	6.458	5.256	3.752	2.783	3.417	150-155	12.80	33591
160.0	5.486	6.536	7.150	6.200	5.256	4.034	3.189	3.676	155-160	10.74	33602
165.0	5.467	6.254	6.825	5.901	5.295	4.317	3.595	3.934	160-165	8.475	33610
170.0	5.467	5.931	6.338	5.564	5.333	4.620	4.022	4.232	165-170	6.093	33616
175.0	5.467	5.527	5.749	5.146	5.371	4.942	4.489	4.530	170-175	3.656	33620
180.0	5.448	5.164	5.139	4.749	5.448	5.305	5.058	4.888	175-180	1.213	33621
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

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

Test Set: 5.0deg/s C-Gamma (TYPE C)  
Humidity:65.0%  
Test Distance:10.000 m  
Remarks:

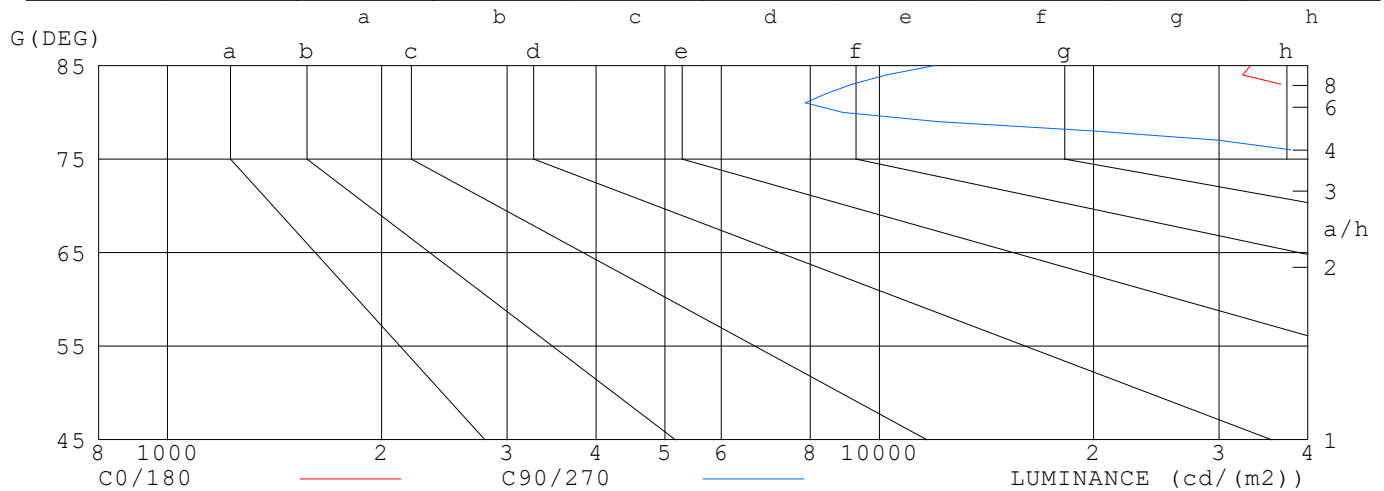
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D24040-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	33225	11944
80	60219	8883
75	174699	48007
70	536440	92330
65	831389	113952
60	824399	110076
55	654831	114831
50	596955	124491
45	565085	136052

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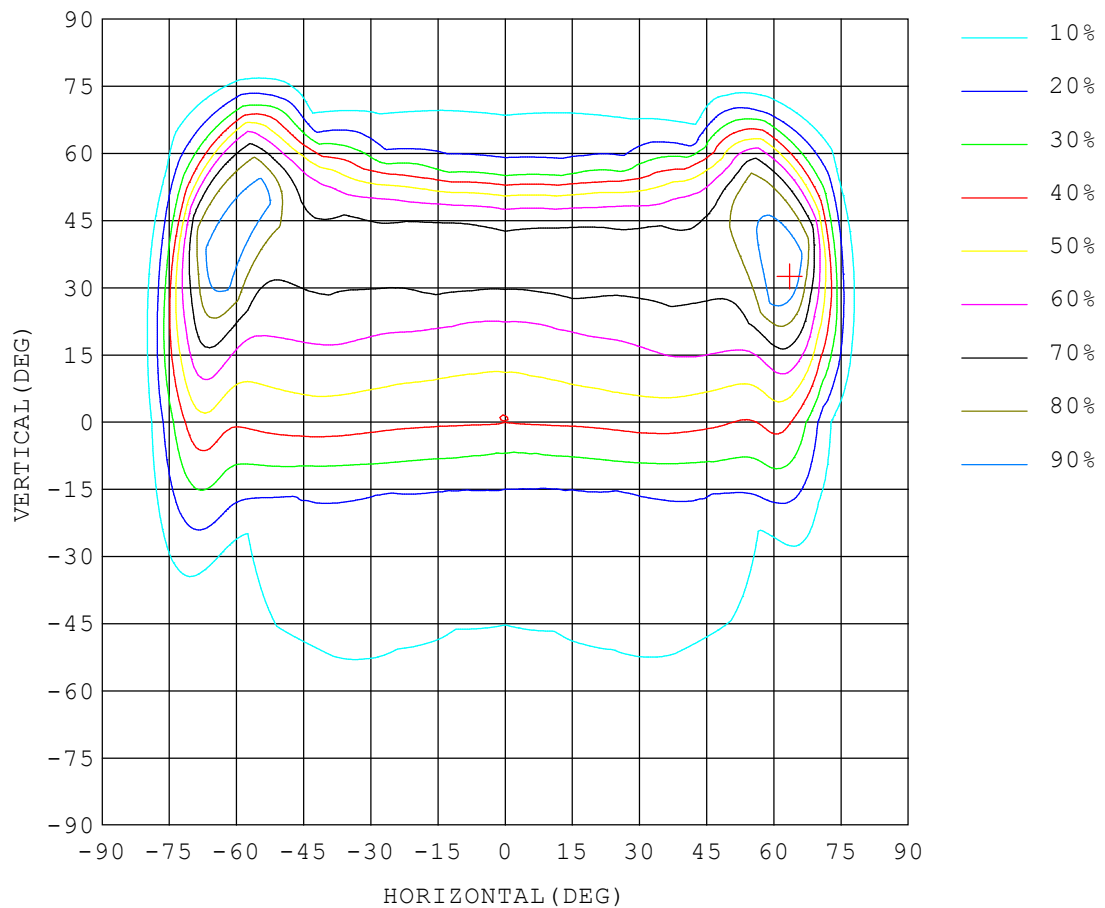
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## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Muller	TYPE: IL-ST11-D24040-T3B	WEIGHT:
SPECIFICATION: 5050LED-Ra70-4000K	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:  
Temperature: 25.3 DEG  
Operators:  
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