

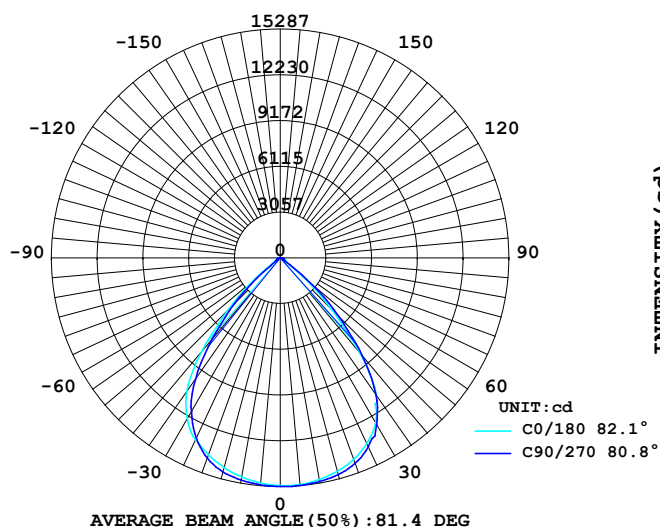
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

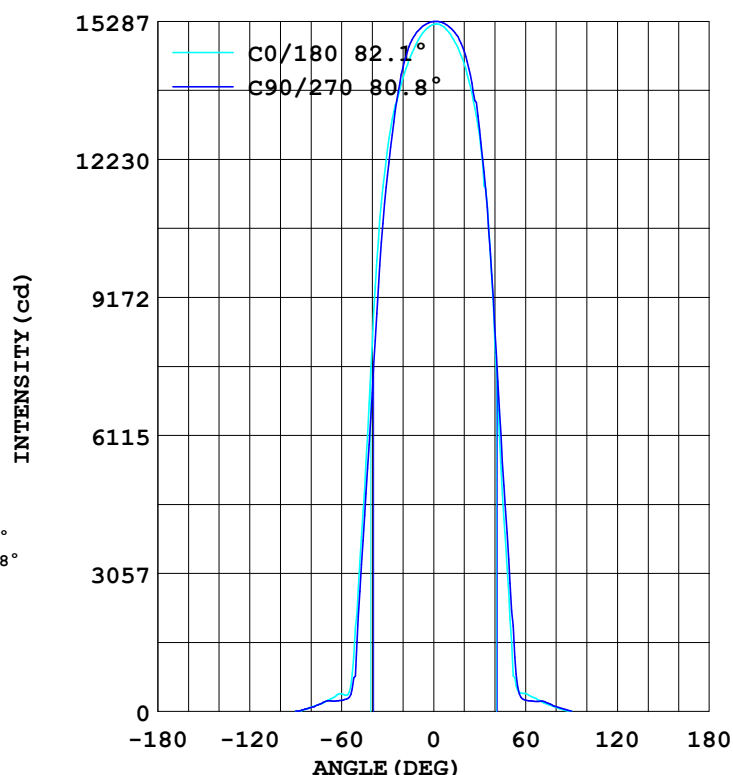
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N15040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	15287	S/MH (C0/180)	1.18
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.12
NOMINAL POWER(W)	150	TOTAL FLUX(lm)	23304	Voltage(V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	154.8	Current(A)	0.637
NOMINAL FLUX(lm)	23304.0	$\eta$ up (%)	0.0	Power(W)	150.5
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.977
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	23304.0	EEL	0.088

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024.11.25

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:	
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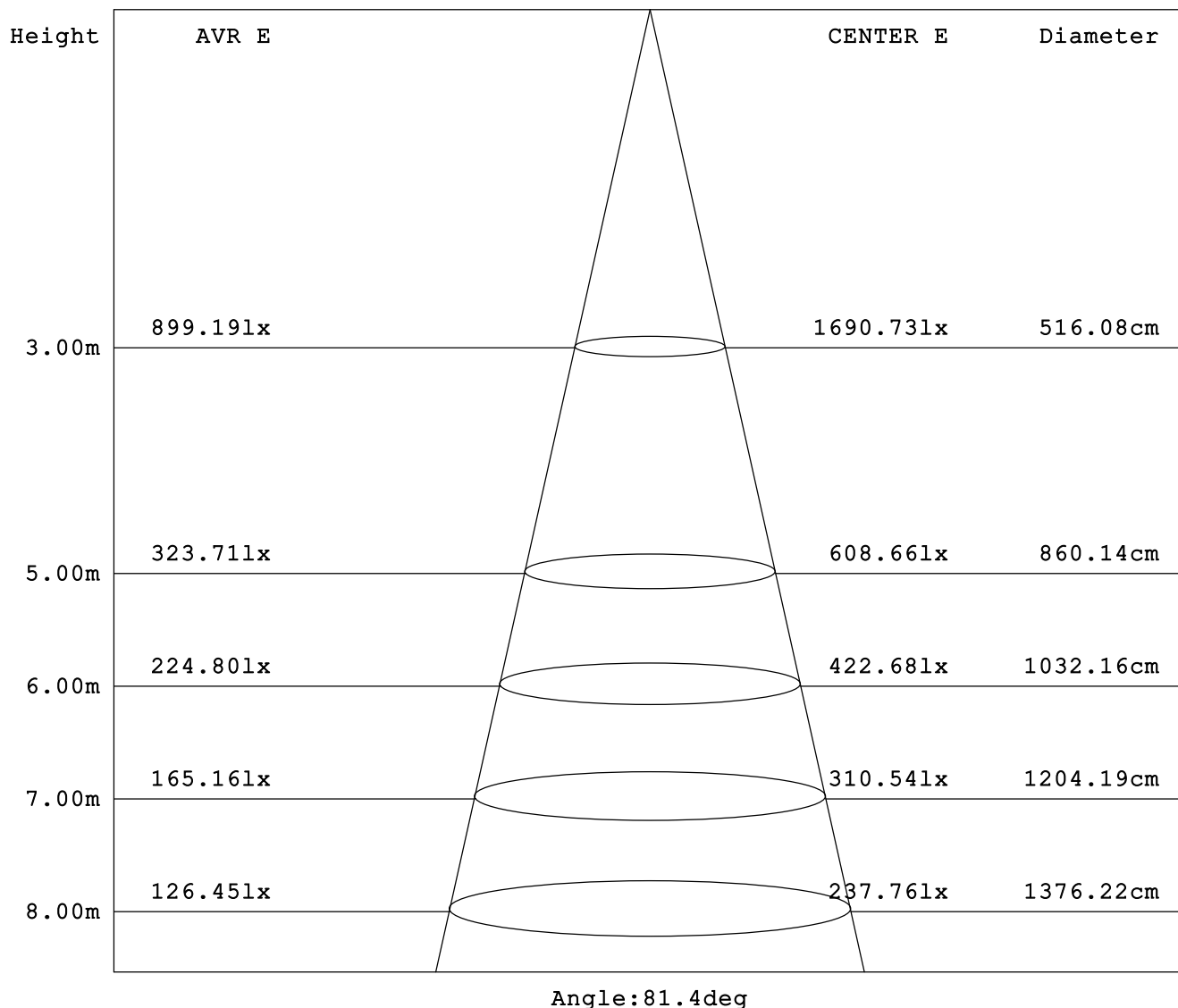
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Temperature: 25.3DEG  
Operators:  
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## AVERAGE AND CENTER E Figure

Report number:

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SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:



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Temperature: 25.3DEG  
Operators:  
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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N15040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1510	1510	1522	1521	1520	1519	1527	1518	0- 5	363.6	363.6
10.0	1487	1494	1508	1502	1504	1508	1517	1496	5- 10	1081	1444
15.0	1450	1464	1481	1472	1477	1488	1499	1462	10- 15	1766	3210
20.0	1402	1415	1425	1426	1434	1450	1462	1416	15- 20	2393	5603
25.0	1342	1331	1328	1357	1370	1376	1393	1352	20- 25	2923	8526
30.0	1244	1201	1186	1264	1275	1263	1288	1253	25- 30	3304	11830
35.0	1090	1031	987.8	1080	1120	1068	1117	1109	30- 35	3431	15261
40.0	817.4	775.5	705.7	780.5	827.8	789.7	852.5	852.8	35- 40	3151	18412
45.0	492.5	484.1	434.6	461.2	482.3	483.5	551.2	530.1	40- 45	2366	20778
50.0	218.2	225.7	154.5	193.2	203.7	220.7	283.7	265.7	45- 50	1435	22213
55.0	42.69	44.20	31.68	37.81	46.32	42.59	54.20	54.65	50- 55	494.2	22707
60.0	39.01	25.65	24.78	24.84	39.84	25.04	25.51	27.77	55- 60	153.9	22861
65.0	31.38	21.45	23.19	20.24	31.49	20.42	22.81	22.50	60- 65	129.4	22991
70.0	22.78	18.28	22.86	16.79	22.71	16.99	22.87	18.99	65- 70	113.1	23104
75.0	15.13	14.18	15.06	12.29	15.32	12.63	17.86	15.00	70- 75	91.82	23196
80.0	9.704	9.349	8.988	7.366	9.579	7.892	10.76	10.04	75- 80	63.46	23259
85.0	3.013	3.722	3.965	2.252	3.250	2.843	5.324	4.425	80- 85	34.60	23294
90.0	0.611	0.893	0.735	0.427	0.860	0.486	0.959	1.037	85- 90	10.13	23304
95.0									90- 95		
100.0									95-100		
105.0									100-105		
110.0									105-110		
115.0									110-115		
120.0									115-120		
125.0									120-125		
130.0									125-130		
135.0									130-135		
140.0									135-140		
145.0									140-145		
150.0									145-150		
155.0									150-155		
160.0									155-160		
165.0									160-165		
170.0									165-170		
175.0									170-175		
180.0									175-180		
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm	

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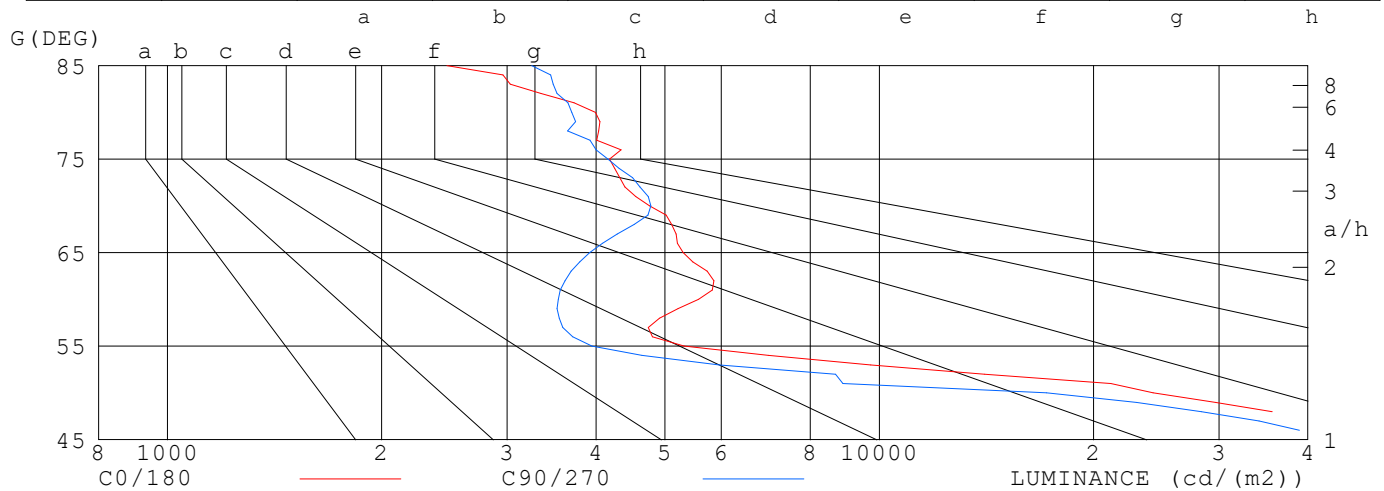
## LUMINANCE LIMITATION CURVES

Report number:

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### 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	2470	3250
80	3992	3697
75	4177	4159
70	4758	4776
65	5305	3921
60	5574	3541
55	5316	3946
50	24254	17172
45	49751	43904

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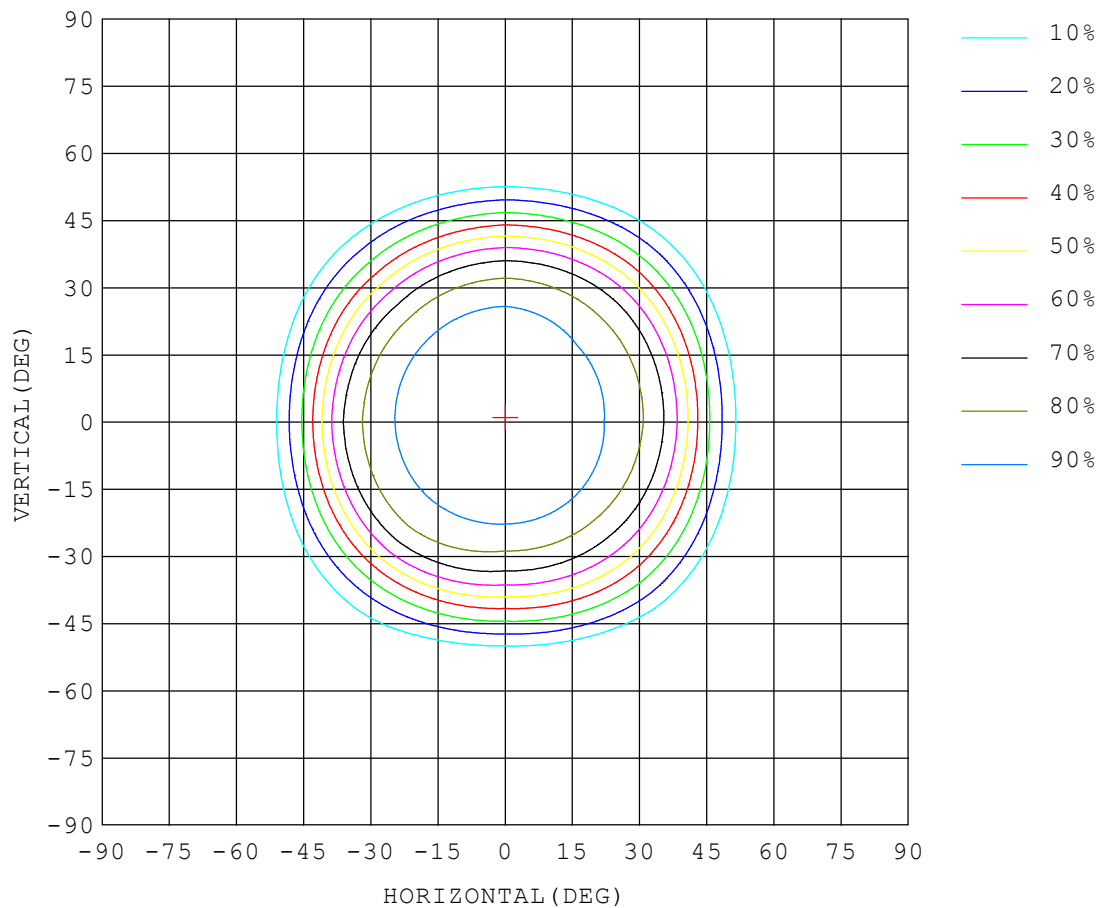
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 Humidity: 65.0%  
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 Remarks:

## ISOCANDELA DIAGRAM

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SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:  
Temperature: 25.3 DEG  
Operators:  
Test Date: 2024.11.25

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