

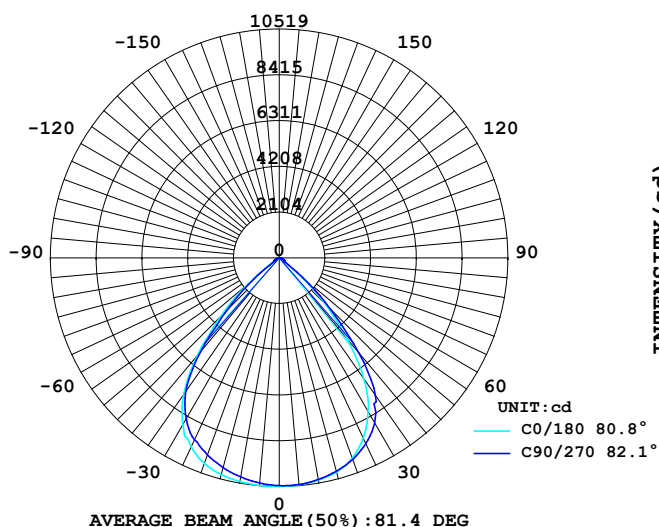
## LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

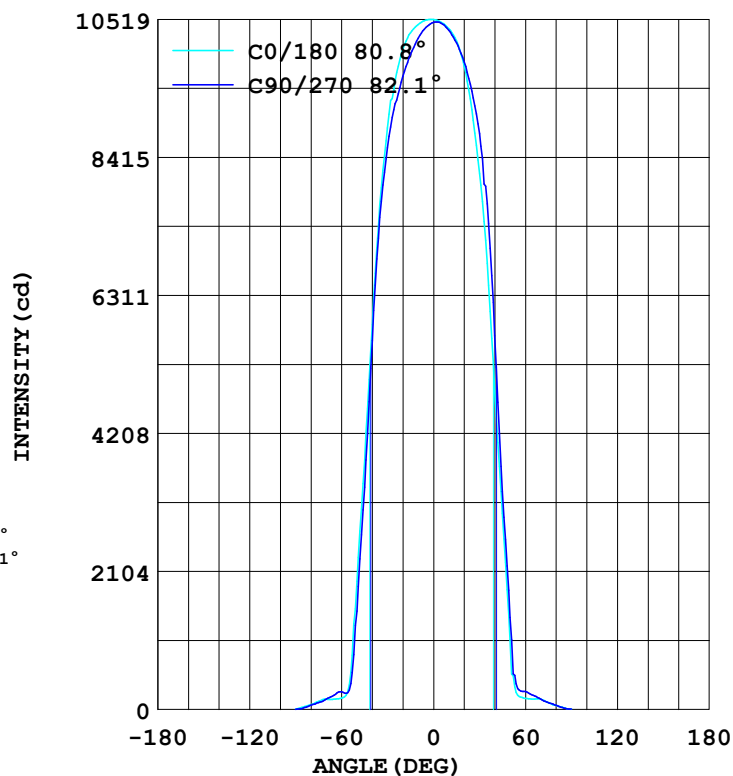
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N10040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	10519	S/MH (C0/180)	1.19
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.18
NOMINAL POWER(W)	100	TOTAL FLUX(lm)	16035	Voltage(V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	159.6	Current(A)	0.425
NOMINAL FLUX(lm)	16035.0	$\eta$ up (%)	0.0	Power(W)	100.5
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.977
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	16035.0	EEL	0.085

### 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:	
NAME: Matilda	TYPE:IL-HB23-N10040-90	WEIGHT:
SPECIFICATION:2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

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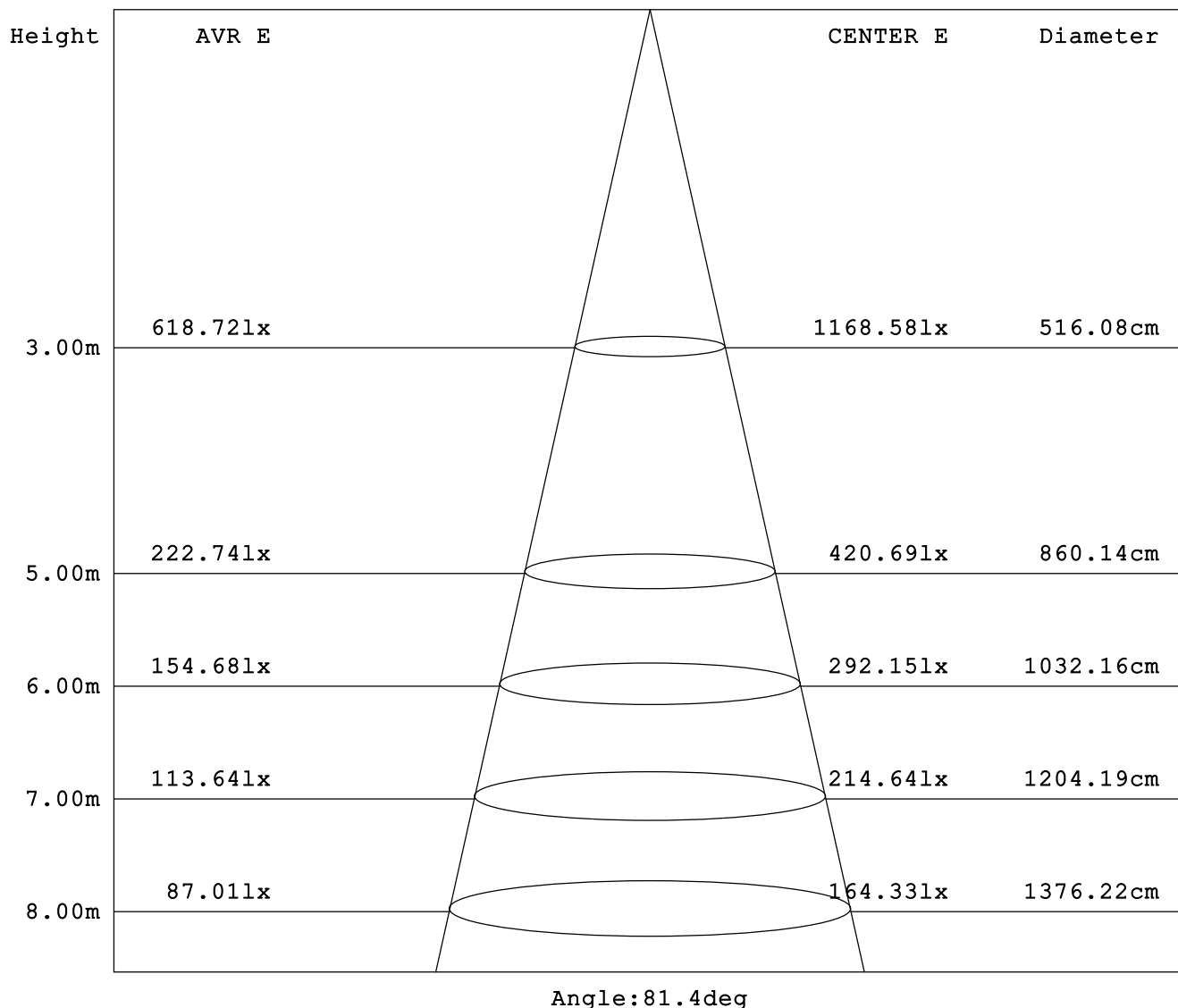
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2024.11.25

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

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:



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

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Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N10040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1051	1044	1039	1039	1047	1046	1046	1045	0- 5	250.2	250.2
10.0	1044	1029	1023	1028	1038	1033	1035	1038	5- 10	743.4	993.7
15.0	1031	1006	997.9	1007	1019	1013	1016	1024	10- 15	1215	2209
20.0	1006	974.4	964.5	973.4	980.2	981.0	986.5	997.4	15- 20	1647	3855
25.0	958.2	929.9	923.1	915.7	913.8	933.8	942.5	946.9	20- 25	2011	5867
30.0	886.3	862.1	856.0	826.0	816.3	869.5	877.4	869.2	25- 30	2273	8140
35.0	768.5	763.2	749.9	709.1	679.6	743.4	770.5	734.9	30- 35	2361	10501
40.0	586.6	586.8	562.4	533.6	485.6	537.0	569.6	543.4	35- 40	2168	12669
45.0	379.2	364.8	338.8	333.1	299.0	317.3	331.8	332.7	40- 45	1628	14297
50.0	195.2	182.8	150.1	155.3	106.3	132.9	140.2	151.8	45- 50	987.4	15284
55.0	37.29	37.60	29.37	30.41	21.80	26.01	31.87	29.30	50- 55	340.0	15624
60.0	17.55	19.11	26.84	17.65	17.05	17.09	27.41	17.23	55- 60	105.9	15730
65.0	15.69	15.48	21.59	14.76	15.96	13.92	21.66	14.05	60- 65	89.06	15819
70.0	15.74	13.07	15.67	12.58	15.73	11.55	15.62	11.69	65- 70	77.85	15897
75.0	12.29	10.32	10.41	9.763	10.36	8.457	10.54	8.692	70- 75	63.17	15961
80.0	7.404	6.912	6.677	6.433	6.184	5.069	6.591	5.430	75- 80	43.66	16004
85.0	3.664	3.045	2.073	2.561	2.728	1.549	2.236	1.956	80- 85	23.81	16028
90.0	0.660	0.714	0.420	0.614	0.506	0.294	0.592	0.334	85- 90	6.975	16035
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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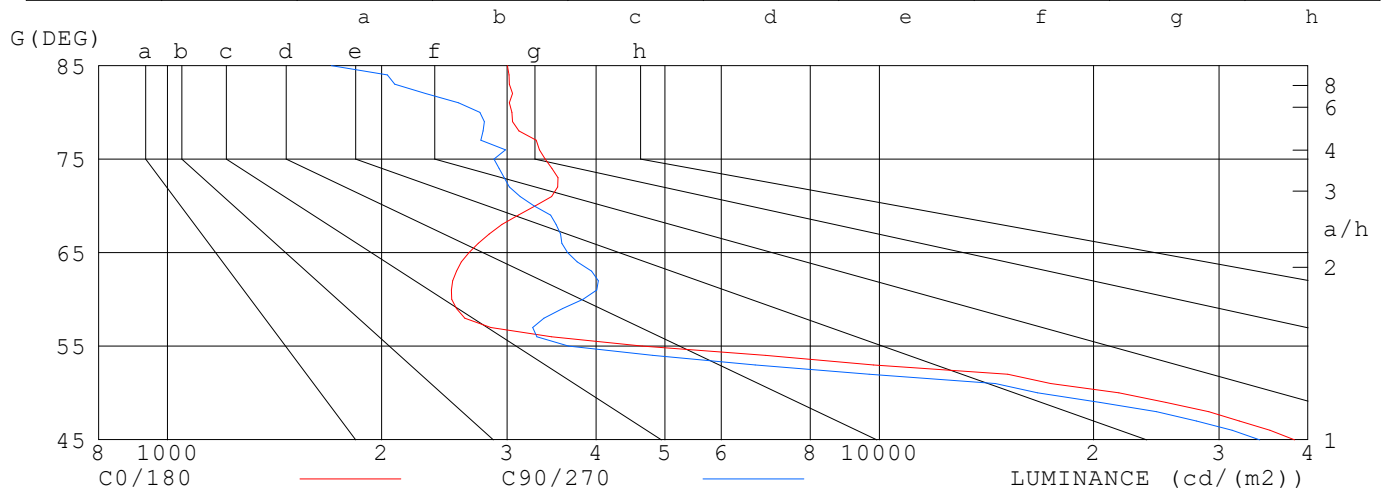
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH		Address:	
NAME: Matilda		TYPE: IL-HB23-N10040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg		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	3003	1700
80	3046	2747
75	3393	2874
70	3287	3274
65	2653	3650
60	2508	3835
55	4645	3658
50	21697	16689
45	38315	34232

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 Temperature: 25.3 DEG  
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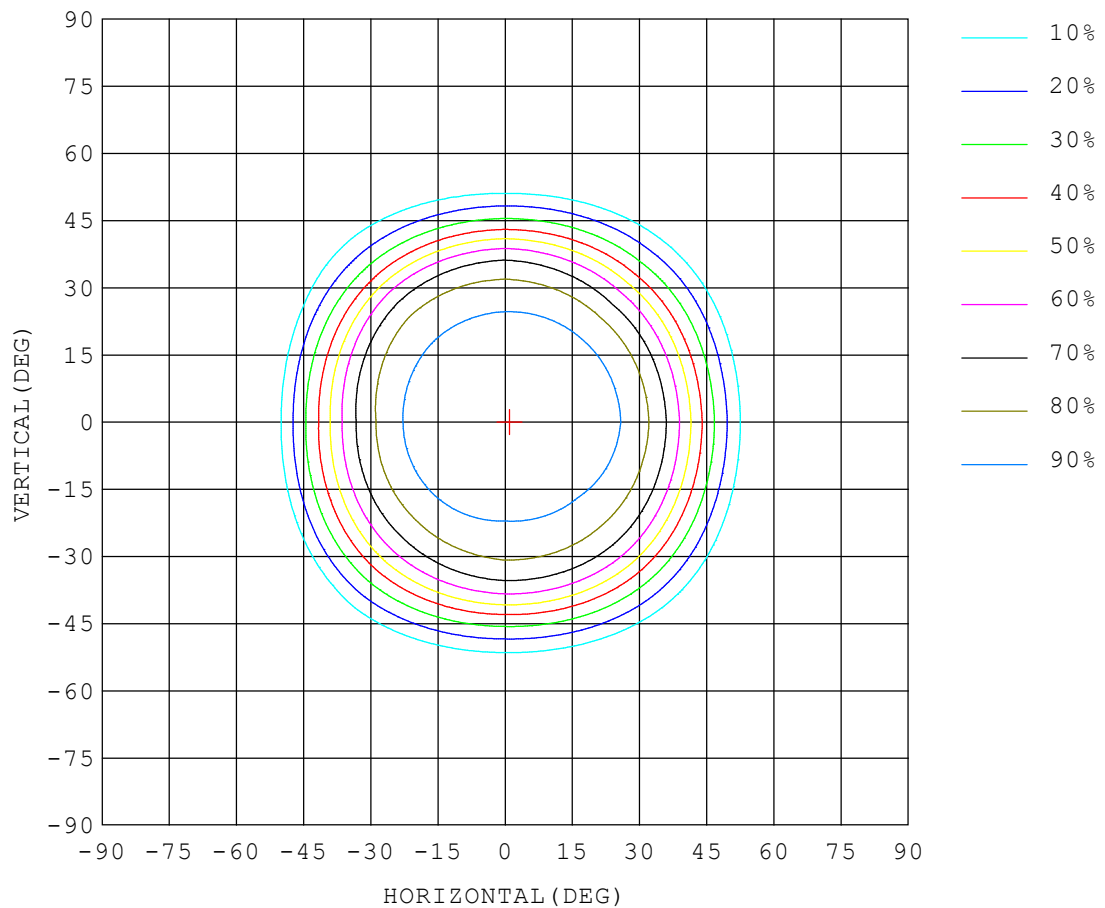
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 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

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NAME: Matilda	TYPE: IL-HB23-N10040-90	WEIGHT:
SPECIFICATION: 2835LED、4000K、90deg	DIMENSION:	SERIAL No.:

UNIT: cd



Test System:  
Temperature: 25.3 DEG  
Operators:  
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Test Distance: 10.000 m  
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