

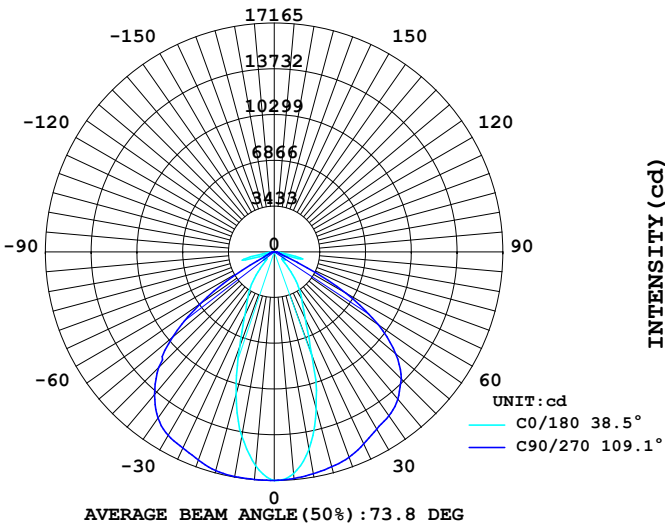
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

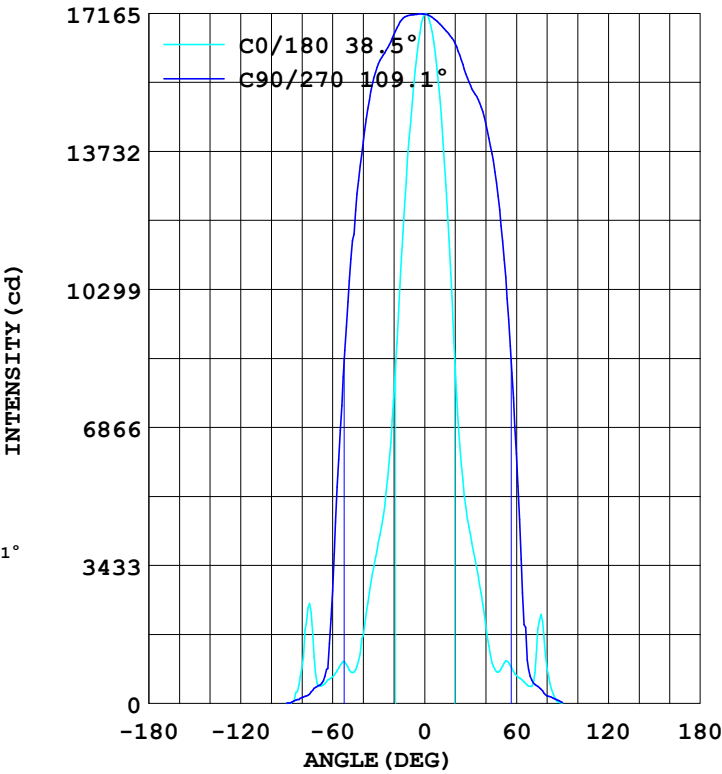
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE:IL-HB23-N15040-311	WEIGHT:
SPECIFICATION:2835LED、4000K、30×110°	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	17200	S/MH (C0/180)	0.61
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.37
NOMINAL POWER(W)	150	TOTAL FLUX(lm)	23285	Voltage (V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	154.8	Current (A)	0.637
NOMINAL FLUX(lm)	23285.0	η up (%)	0.0	Power (W)	150.3
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.977
TEST VOLTAGE (V)	230.5	Effictive Flux(lm)	23285.0	EEI	0.097

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



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

Test Set: 5.0deg/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-N15040-311	WEIGHT:
SPECIFICATION:2835LED、4000K、30×110°	DIMENSION:	SERIAL No.:

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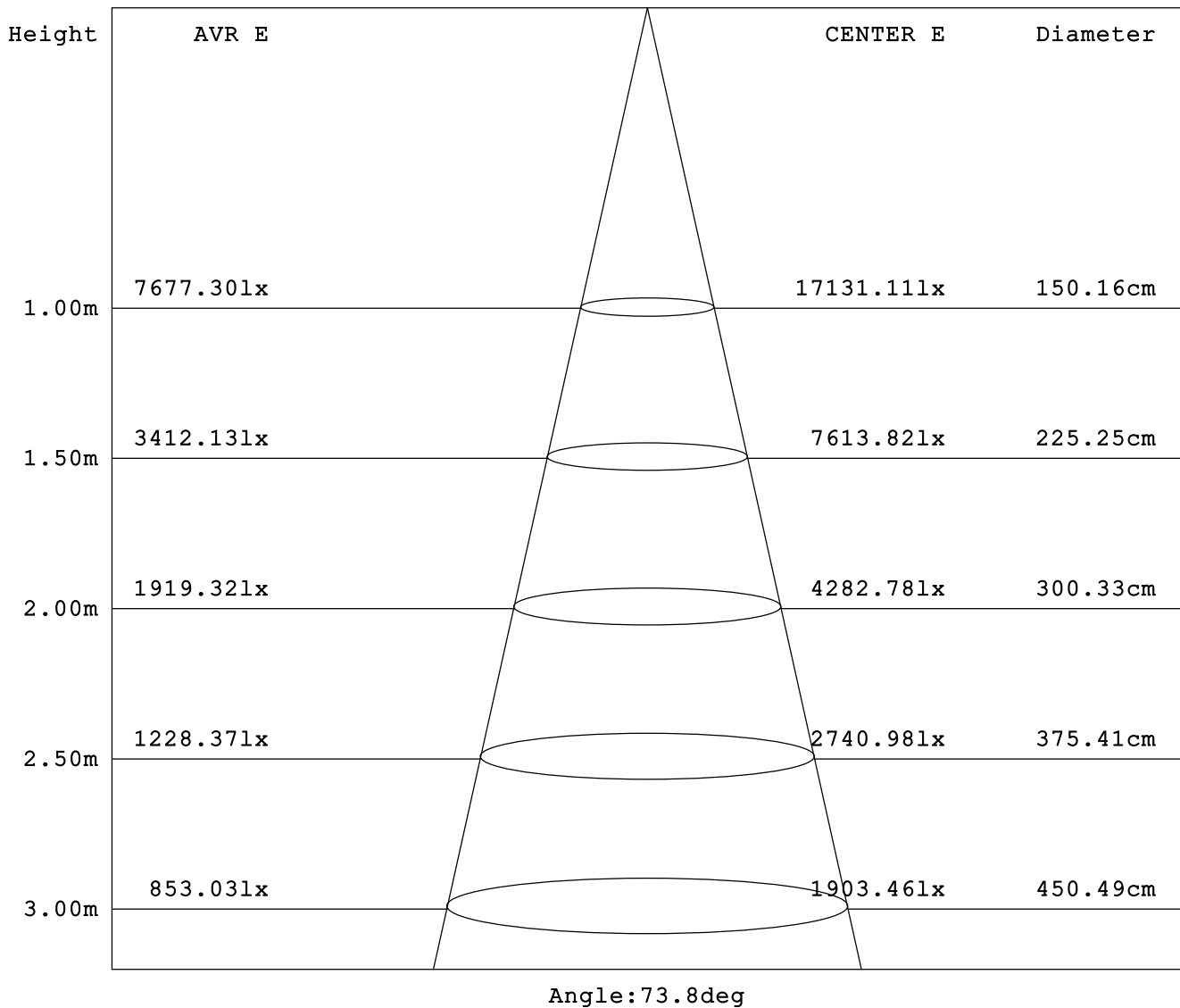
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2024.11.25

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## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
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SPECIFICATION: 2835LED、4000K、30×110°	DIMENSION:	SERIAL No.:



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

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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N15040-311	WEIGHT:
SPECIFICATION: 2835LED、4000K、30×110°	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1610	1651	1714	1683	1670	1706	1707	1654	0- 5	404.9	404.9
10.0	1407	1534	1712	1583	1507	1638	1690	1516	5- 10	1161	1566
15.0	1110	1390	1700	1415	1218	1519	1669	1332	10- 15	1775	3340
20.0	762.9	1215	1663	1193	834.0	1392	1641	1100	15- 20	2176	5516
25.0	525.9	1039	1624	909.8	555.8	1187	1590	847.4	20- 25	2357	7873
30.0	402.0	852.0	1591	661.6	417.2	969.0	1537	624.8	25- 30	2412	10285
35.0	298.1	682.9	1522	490.6	317.5	770.2	1502	465.2	30- 35	2407	12693
40.0	169.5	536.4	1398	368.2	195.1	596.2	1443	358.7	35- 40	2318	15010
45.0	84.21	404.1	1226	273.1	93.05	455.3	1351	272.4	40- 45	2128	17138
50.0	90.61	281.2	998.6	181.7	85.47	337.5	1188	189.1	45- 50	1897	19035
55.0	95.18	170.7	679.4	101.3	101.2	223.7	954.1	104.6	50- 55	1585	20620
60.0	66.26	85.86	280.3	57.49	69.36	124.4	621.7	65.55	55- 60	1098	21718
65.0	50.06	47.82	68.14	43.29	53.82	60.15	196.3	48.71	60- 65	562.3	22281
70.0	48.86	32.56	42.72	33.40	42.86	37.13	58.51	39.23	65- 70	270.0	22551
75.0	248.9	20.33	23.68	20.51	205.9	23.89	39.57	25.81	70- 75	298.5	22849
80.0	87.84	10.37	14.74	12.24	86.30	15.46	18.99	15.02	75- 80	314.1	23163
85.0	7.875	4.379	6.543	3.315	13.99	6.125	11.16	6.883	80- 85	103.2	23267
90.0	0.481	0.846	1.109	0.393	1.275	0.759	2.849	1.118	85- 90	18.35	23285
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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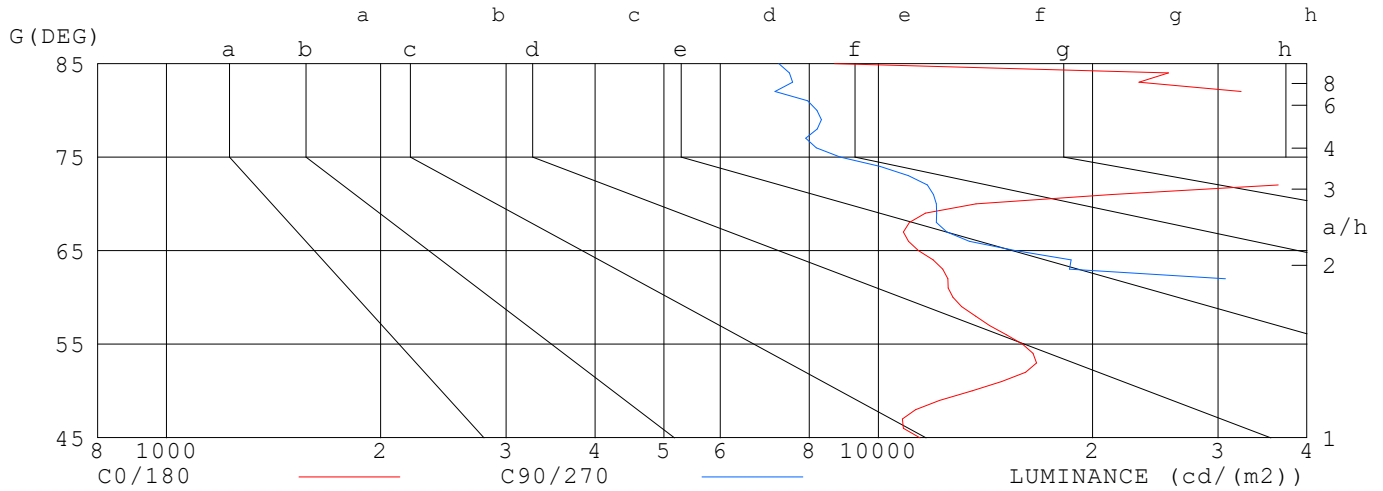
## LUMINANCE LIMITATION CURVES

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	8681	7253
80	48604	8200
75	92418	8839
70	13725	12068
65	11381	15578
60	12732	54159
55	15943	114435
50	13544	150078
45	11442	167523

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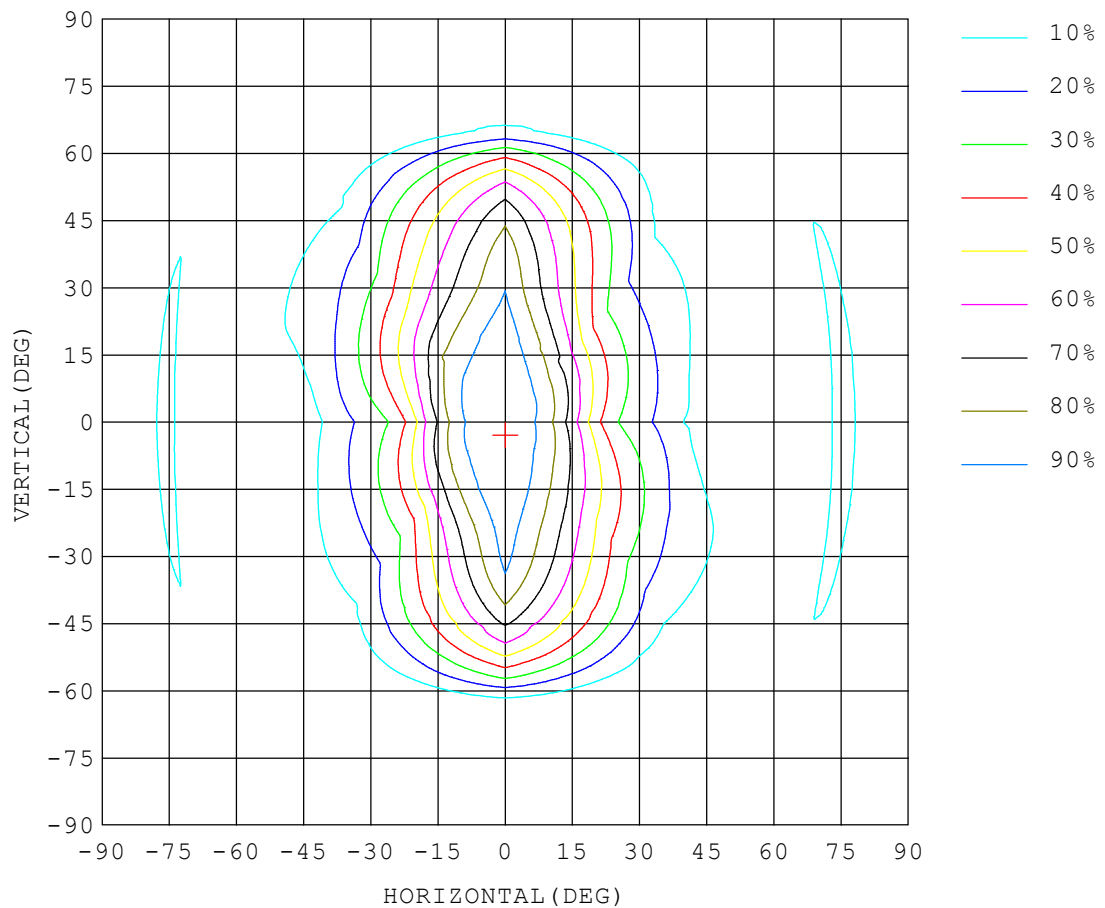
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 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

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NAME: Matilda	TYPE: IL-HB23-N15040-311	WEIGHT:
SPECIFICATION: 2835LED、4000K、30×110°	DIMENSION:	SERIAL No.:

UNIT: cd



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

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