

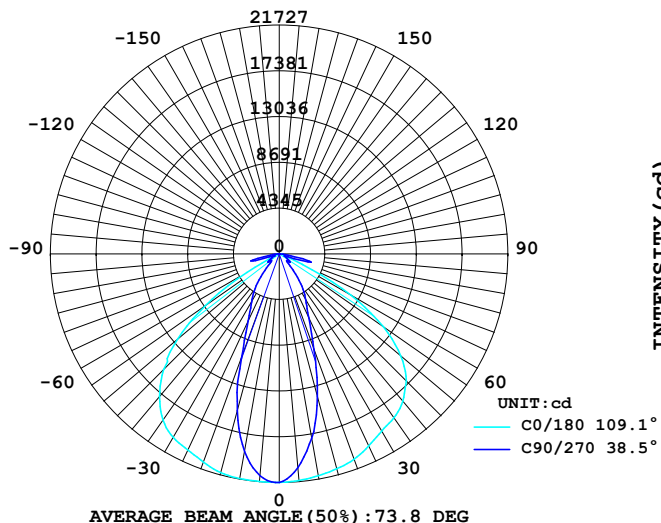
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

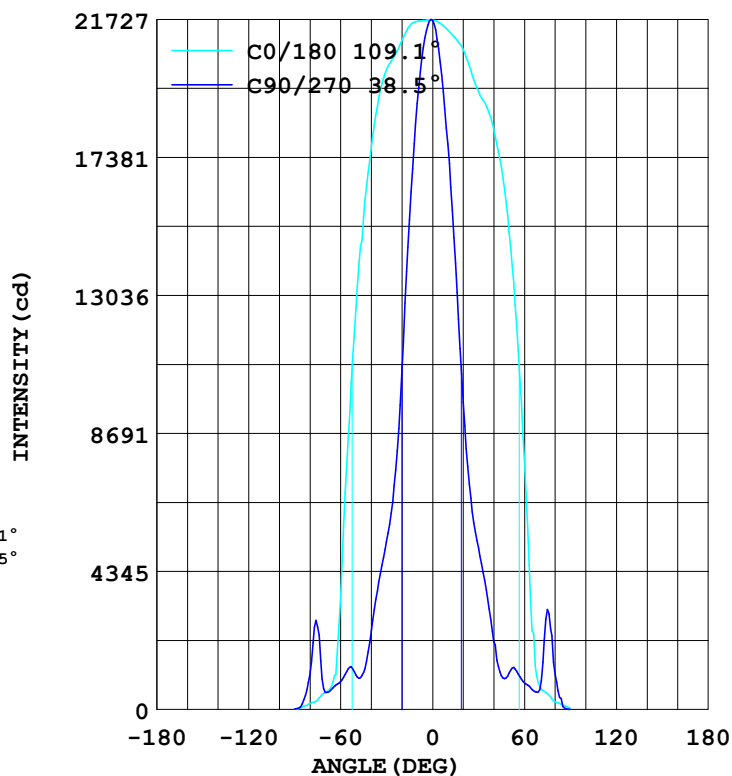
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-311	WEIGHT:
SPECIFICATION: 2835LED、4000K、30×110°	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	21771	S/MH (C0/180)	1.37
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.65
NOMINAL POWER(W)	200	TOTAL FLUX(lm)	29473	Voltage(V)	230.5
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	150.2	Current(A)	0.871
NOMINAL FLUX(lm)	29473.0	η up (%)	0.0	Power(W)	196.1
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.977
TEST VOLTAGE (V)	230.5	Effective Flux(lm)	29473.0	EEI	0.100

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:

---

## Color Temperature Data List

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE:IL-HB23-N20040-311	WEIGHT:
SPECIFICATION:2835LED、4000K、30×110°	DIMENSION:	SERIAL No.:

---

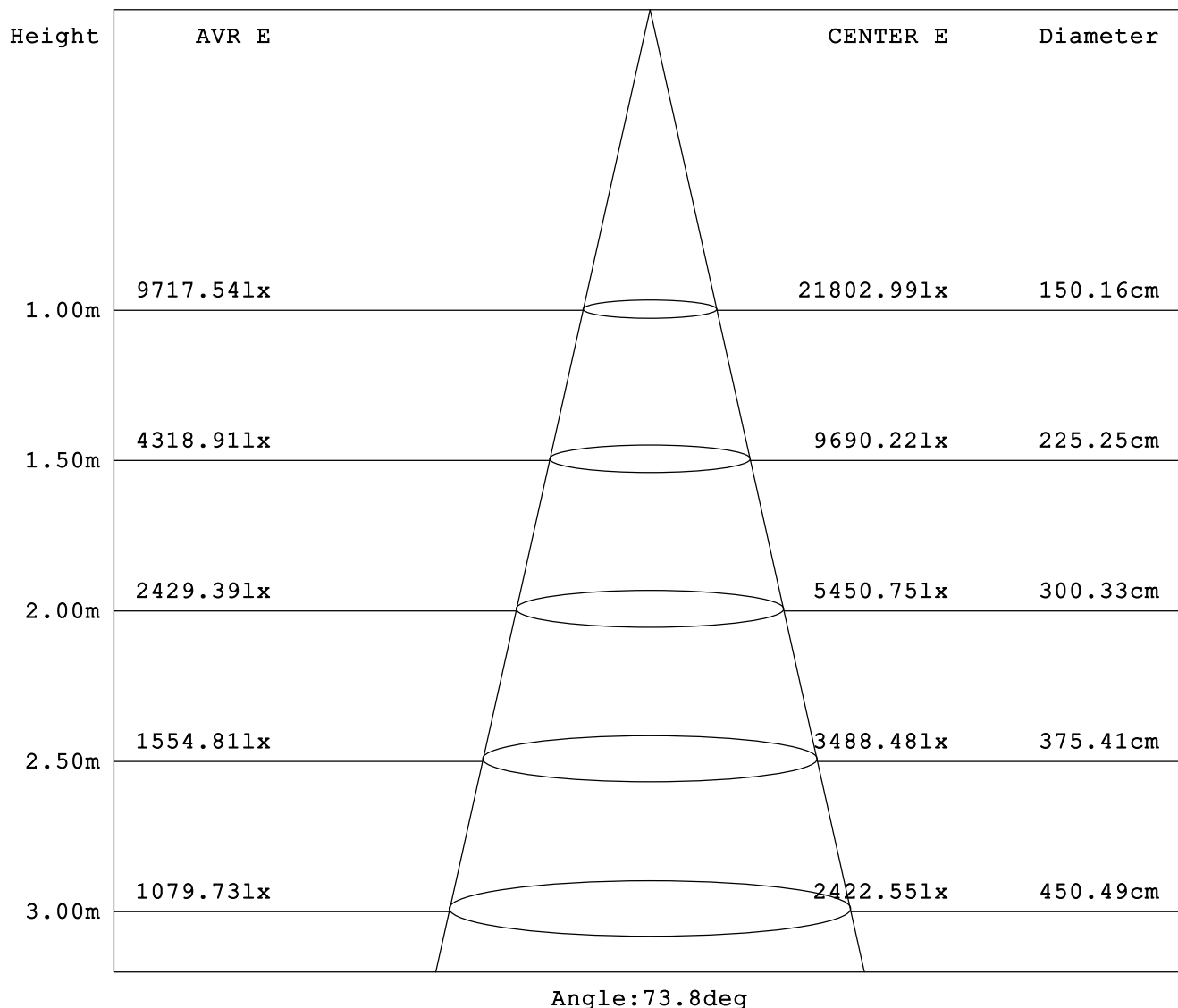
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2024.11.25

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

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-311	WEIGHT:
SPECIFICATION: 2835LED、4000K、30×110°	DIMENSION:	SERIAL No.:



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:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-311	WEIGHT:
SPECIFICATION: 2835LED、4000K、30×110°	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2170	2130	2114	2159	2160	2094	2038	2089	0- 5	512.6	512.6
10.0	2166	2004	1907	2073	2139	1919	1781	1942	5- 10	1469	1982
15.0	2151	1791	1541	1923	2113	1686	1405	1760	10- 15	2246	4228
20.0	2105	1510	1056	1761	2077	1392	965.6	1538	15- 20	2754	6982
25.0	2056	1152	703.6	1502	2012	1073	665.7	1315	20- 25	2984	9966
30.0	2014	837.5	528.0	1227	1946	790.9	508.8	1078	25- 30	3053	13019
35.0	1927	621.0	401.9	974.9	1901	588.8	377.4	864.4	30- 35	3047	16066
40.0	1770	466.1	247.0	754.6	1827	454.0	214.6	679.0	35- 40	2934	18999
45.0	1552	345.7	117.7	576.3	1710	344.8	106.5	511.5	40- 45	2694	21693
50.0	1264	230.1	108.1	427.3	1504	239.4	114.6	356.0	45- 50	2401	24094
55.0	860.0	128.2	128.1	283.2	1208	132.4	120.4	216.1	50- 55	2006	26100
60.0	354.8	72.77	87.80	157.4	786.9	82.97	83.86	108.6	55- 60	1390	27490
65.0	86.26	54.79	68.13	76.13	248.5	61.65	63.36	60.52	60- 65	711.8	28202
70.0	54.08	42.28	54.25	47.00	74.06	49.66	61.84	41.21	65- 70	341.8	28543
75.0	29.97	25.97	260.6	30.24	50.09	32.66	315.1	25.74	70- 75	377.9	28921
80.0	18.65	15.50	109.2	19.57	24.04	19.01	111.1	13.13	75- 80	397.6	29319
85.0	8.282	4.196	17.71	7.753	14.13	8.713	9.967	5.542	80- 85	130.6	29450
90.0	1.404	0.497	1.614	0.961	3.607	1.415	0.609	1.071	85- 90	23.23	29473
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	

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:

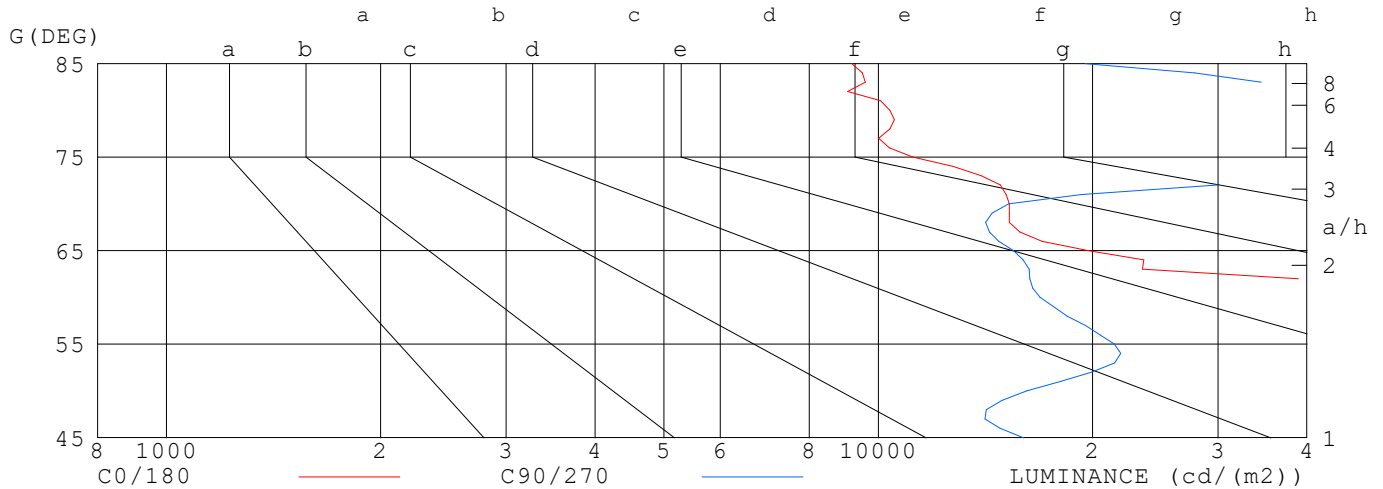
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-311	WEIGHT:
SPECIFICATION: 2835LED、4000K、30×110°	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	9180	19525
80	10380	60440
75	11188	96742
70	15275	15240
65	19718	15489
60	68552	16871
55	144847	21463
50	189962	16170
45	212042	16003

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

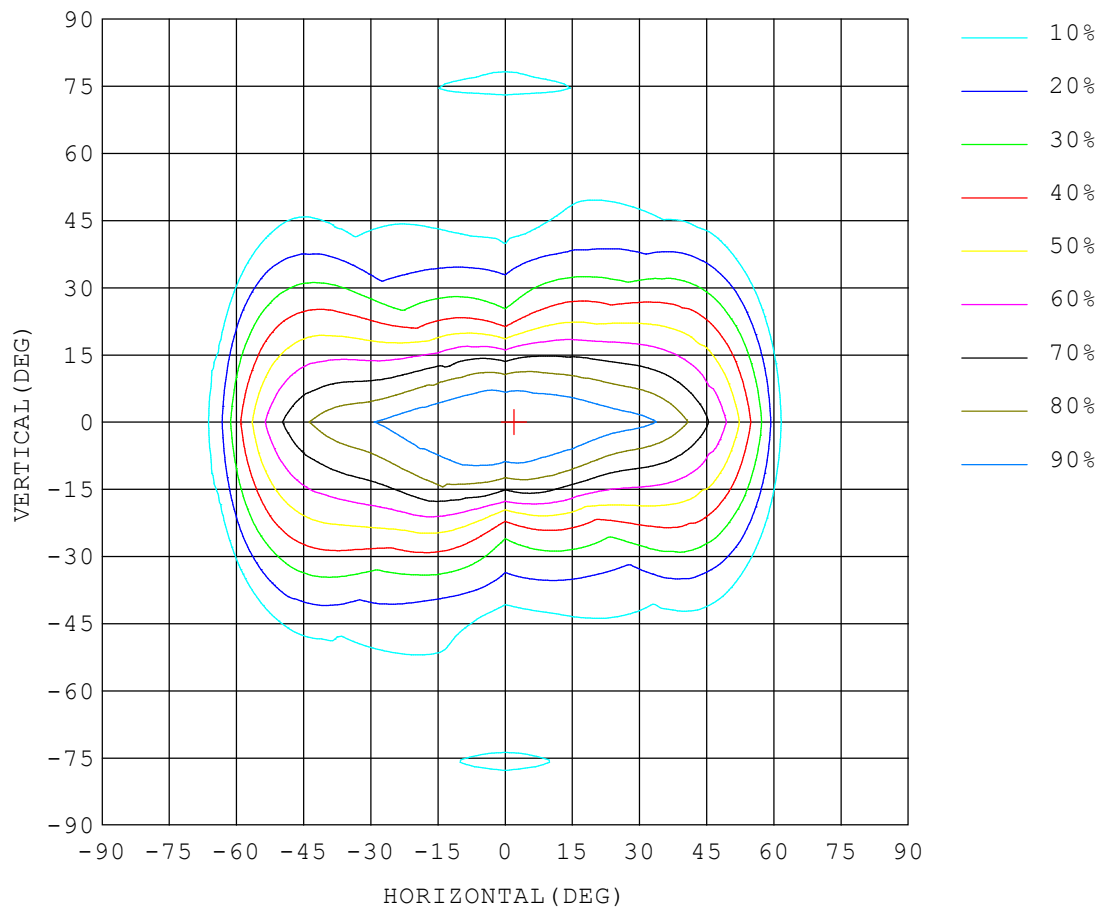
Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Matilda	TYPE: IL-HB23-N20040-311	WEIGHT:
SPECIFICATION: 2835LED、4000K、30×110°	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)  
Humidity: 65.0%  
Test Distance: 10.000 m  
Remarks: