

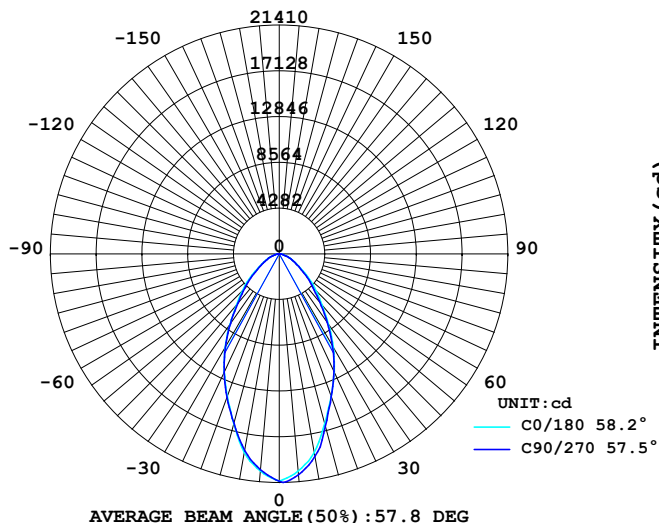
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

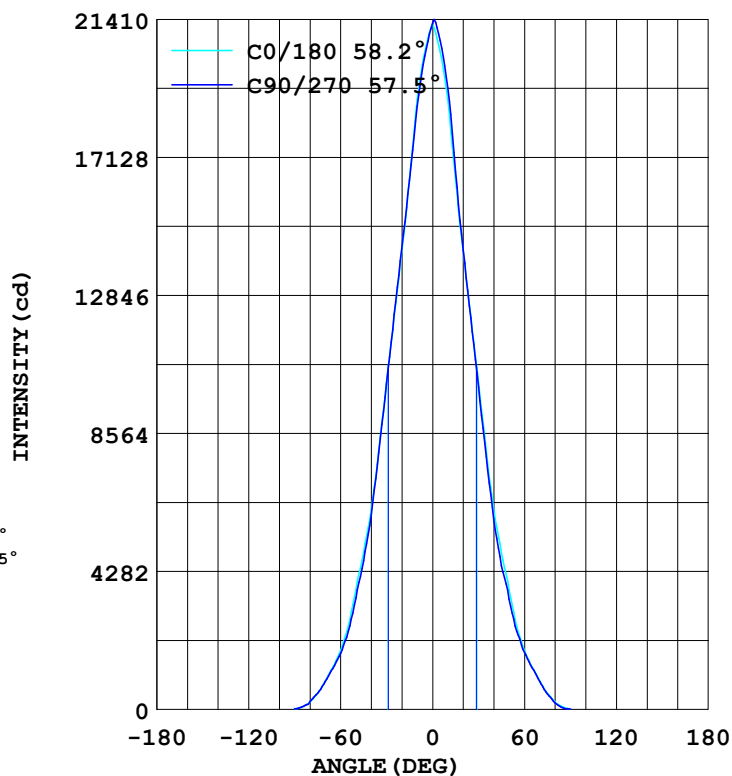
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Lina	TYPE: IL-HB12-L15040-691	WEIGHT:
SPECIFICATION: 2835LED、4000K、60deg	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	21493	S/MH (C0/180)	0.81
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	0.82
NOMINAL POWER(W)	150	TOTAL FLUX(lm)	25456	Voltage(V)	229.6
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	169.4	Current(A)	0.334
NOMINAL FLUX(lm)	25456.0	$\eta$ up (%)	0.0	Power(W)	150.3
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.979
TEST VOLTAGE (V)	229.7	Effective Flux(lm)	25456.0	EEI	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:	
NAME: Lina	TYPE:IL-HB12-L15040-691	WEIGHT:
SPECIFICATION:2835LED、4000K、60deg	DIMENSION:	SERIAL No.:

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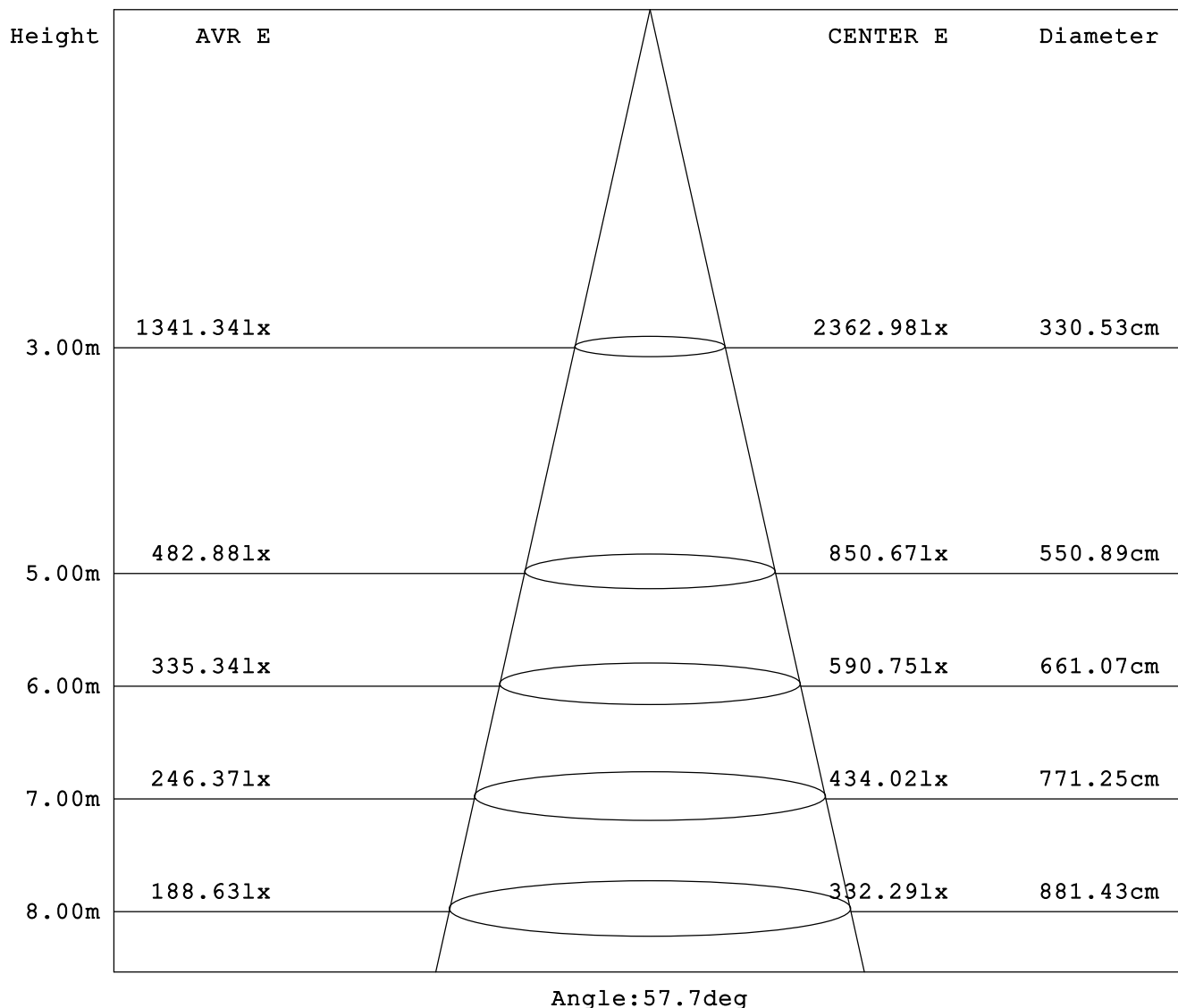
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2024.11.25

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

## AVERAGE AND CENTER E Figure

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Lina	TYPE:IL-HB12-L15040-691	WEIGHT:
SPECIFICATION:2835LED、4000K、60deg	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: Lina	TYPE: IL-HB12-L15040-691	WEIGHT:
SPECIFICATION: 2835LED、4000K、60deg	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2040	2026	2028	2026	2040	2060	2075	2060	0- 5	496.9	496.9
10.0	1891	1865	1870	1865	1891	1916	1927	1916	5- 10	1407	1904
15.0	1644	1631	1641	1631	1644	1666	1668	1666	10- 15	2095	3999
20.0	1420	1433	1430	1433	1420	1449	1425	1449	15- 20	2527	6526
25.0	1219	1231	1225	1231	1219	1241	1213	1241	20- 25	2783	9310
30.0	1013	1025	1009	1025	1013	1040	999.0	1040	25- 30	2840	12150
35.0	803.6	817.6	797.1	817.6	803.6	849.7	784.0	849.7	30- 35	2697	14847
40.0	620.8	641.4	605.2	641.4	620.8	663.3	591.7	663.3	35- 40	2399	17246
45.0	486.7	505.2	461.2	505.2	486.7	511.5	446.7	511.5	40- 45	2064	19310
50.0	370.7	386.7	345.9	386.7	370.7	390.1	342.4	390.1	45- 50	1740	21049
55.0	258.5	266.1	242.3	266.1	258.5	267.8	242.4	267.8	50- 55	1361	22410
60.0	183.1	190.8	174.1	190.8	183.1	193.1	178.2	193.1	55- 60	1023	23433
65.0	131.7	135.3	128.0	135.3	131.7	139.1	130.0	139.1	60- 65	769.9	24203
70.0	89.30	91.51	86.71	91.51	89.30	91.27	87.25	91.27	65- 70	566.6	24770
75.0	50.32	51.85	50.41	51.85	50.32	47.87	48.02	47.87	70- 75	358.5	25128
80.0	22.97	27.24	24.18	27.24	22.97	26.89	20.72	26.89	75- 80	197.0	25325
85.0	8.390	15.12	8.222	15.12	8.390	12.84	5.500	12.84	80- 85	96.08	25421
90.0	2.005	4.167	2.464	4.167	2.005	3.461	1.646	3.461	85- 90	34.65	25456
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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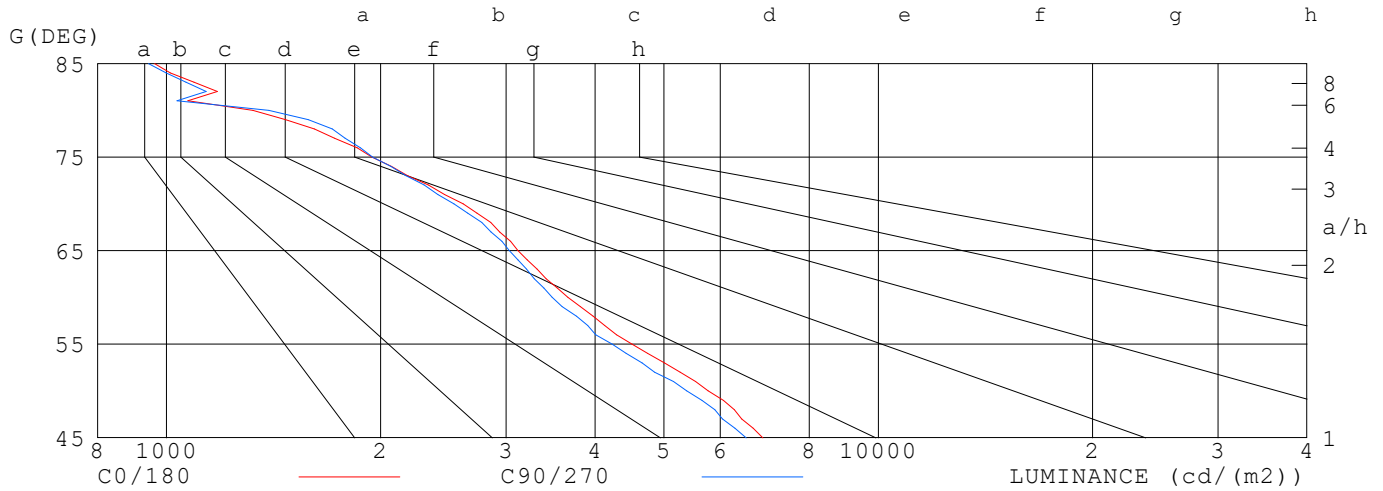
## LUMINANCE LIMITATION CURVES

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Lina	TYPE: IL-HB12-L15040-691	WEIGHT:
SPECIFICATION: 2835LED、4000K、60deg	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	963	943
80	1323	1393
75	1944	1948
70	2611	2535
65	3117	3031
60	3664	3482
55	4507	4226
50	5768	5382
45	6884	6523

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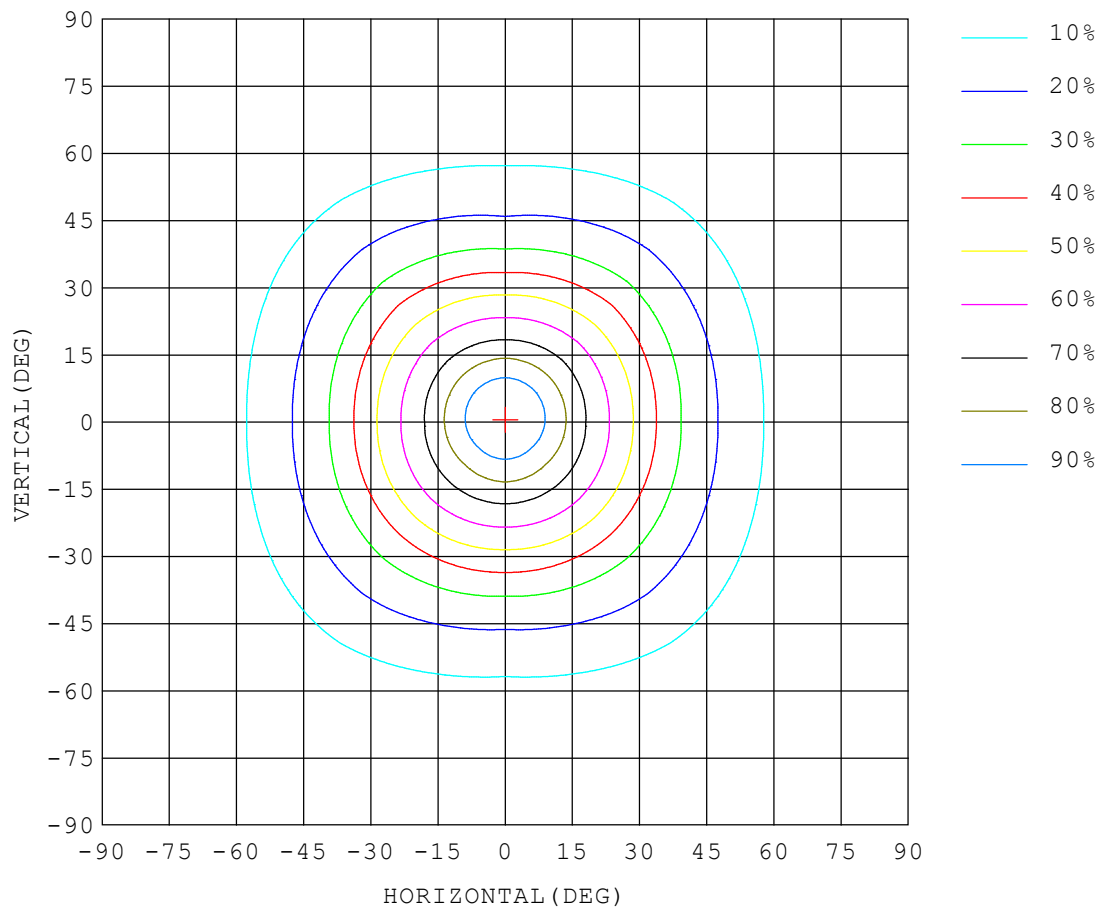
Test Set: 5.0 deg/s C-Gamma (TYPE C)  
 Humidity: 65.0%  
 Test Distance: 10.000 m  
 Remarks:

## ISOCANDELA DIAGRAM

Report number:

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NAME: Lina	TYPE: IL-HB12-L15040-691	WEIGHT:
SPECIFICATION: 2835LED、4000K、60deg	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: