

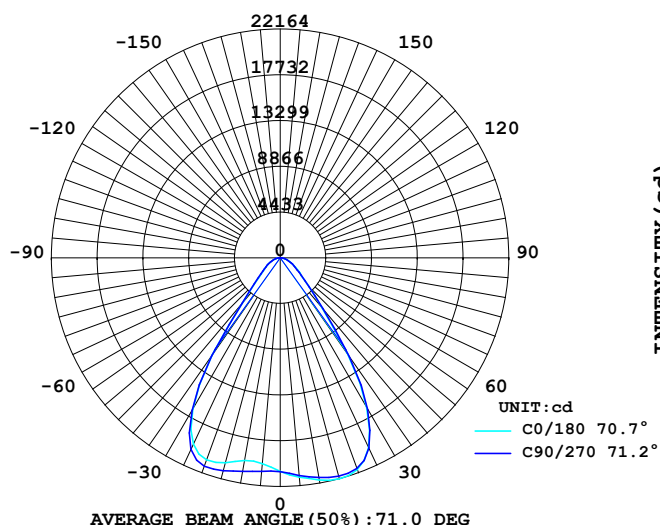
# LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

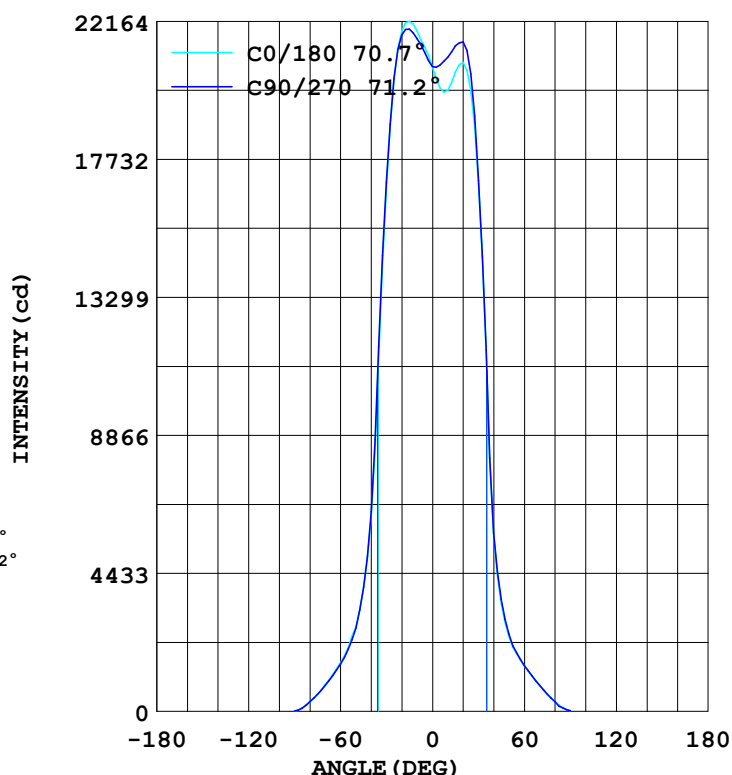
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N20040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	23316	S/MH (C0/180)	1.04
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.05
NOMINAL POWER(W)	204	TOTAL FLUX(lm)	34160	Voltage(V)	232.6
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	166.8	Current(A)	0.896
NOMINAL FLUX(lm)	34160.0	$\eta$ up (%)	0.0	Power(W)	204.8
LAMPS QUANTITY	1	$\eta$ down (%)	100.0	Power Factor (PF)	0.982
TEST VOLTAGE (V)	232.6	Effective Flux(lm)	34160.0	EEL	0.090

## LUMINOUS INTENSITY DISTRIBUTION



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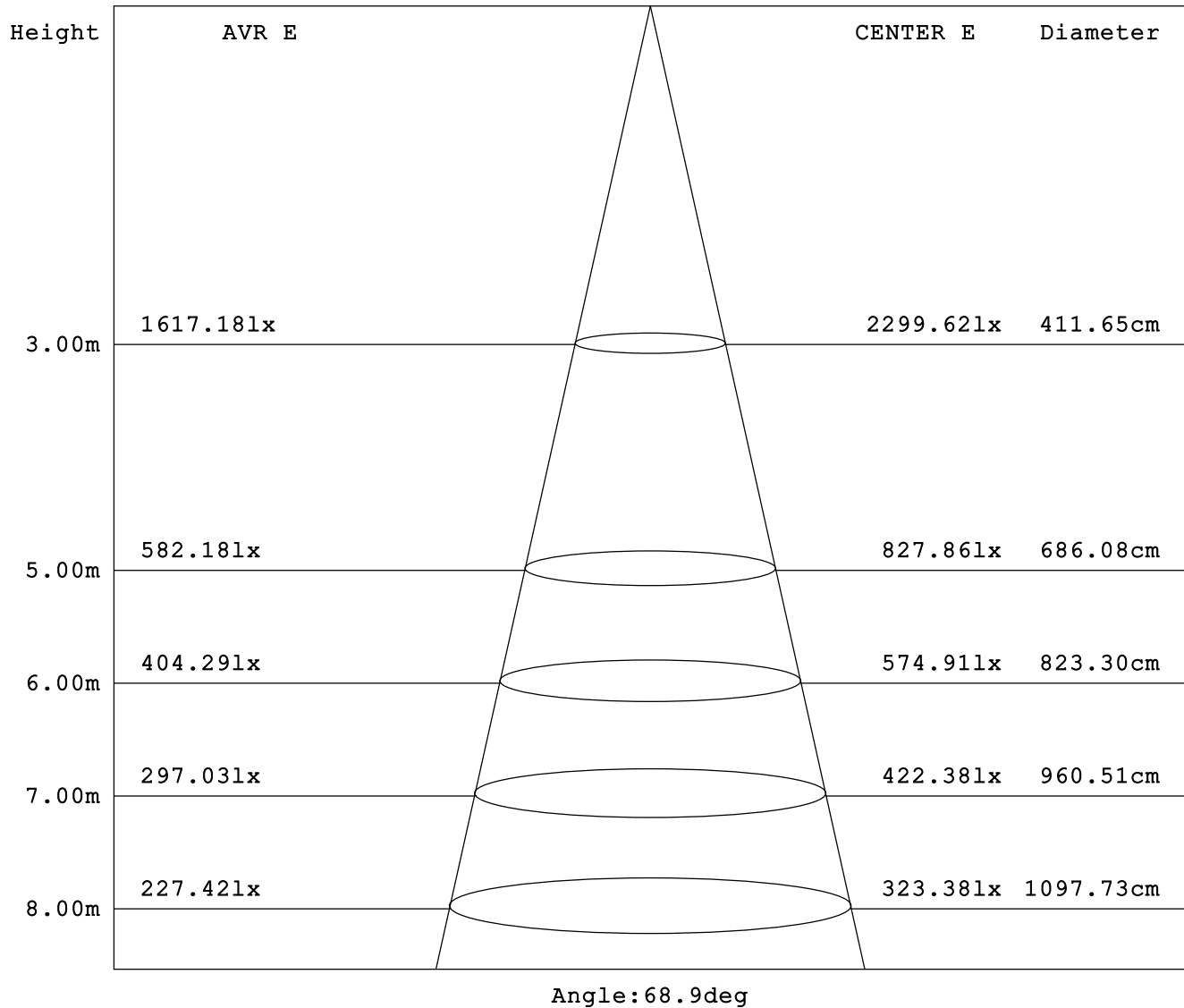
Test System:  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2023.09.11

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			
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NAME: Laura		TYPE: IL-HB25-N20040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No.:



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Temperature: 25.3DEG  
Operators:  
Test Date: 2023.09.11

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## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N20040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	2134	2145	2117	2043	2002	2026	2077	2108	0- 5	496.1	496.1
10.0	2185	2246	2160	2066	1994	2025	2100	2183	5- 10	1503	1999
15.0	2216	2315	2191	2102	2055	2044	2137	2258	10- 15	2546	4545
20.0	2184	2317	2172	2067	2085	1999	2150	2239	15- 20	3565	8110
25.0	2031	2201	2034	1951	1994	1877	2047	2112	20- 25	4401	12511
30.0	1678	1995	1698	1736	1695	1659	1705	1875	25- 30	4809	17319
35.0	1135	1652	1171	1432	1152	1356	1161	1552	30- 35	4558	21877
40.0	629.4	1260	642.2	1081	571.6	990.7	575.3	1161	35- 40	3607	25484
45.0	398.0	870.8	398.8	728.1	346.8	652.5	359.1	790.3	40- 45	2618	28102
50.0	270.9	557.3	268.0	452.1	241.2	407.5	248.2	504.9	45- 50	1871	29974
55.0	204.7	342.8	200.0	278.0	186.2	252.3	189.0	305.2	50- 55	1315	31289
60.0	156.7	208.4	152.6	179.9	146.5	165.5	147.7	191.7	55- 60	946.4	32236
65.0	118.4	135.7	115.4	121.3	114.1	114.6	114.4	125.7	60- 65	697.2	32933
70.0	86.09	89.61	84.16	83.31	83.62	78.28	83.47	82.24	65- 70	512.2	33445
75.0	55.19	56.20	54.66	53.52	55.68	49.20	55.40	50.82	70- 75	357.8	33803
80.0	30.68	30.56	30.84	29.54	31.83	27.51	31.17	27.57	75- 80	223.0	34026
85.0	9.958	11.61	10.39	11.46	12.32	8.796	11.61	8.638	80- 85	104.0	34130
90.0	1.759	2.232	1.308	2.244	2.278	1.330	2.232	1.251	85- 90	29.87	34160
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:2023.09.11

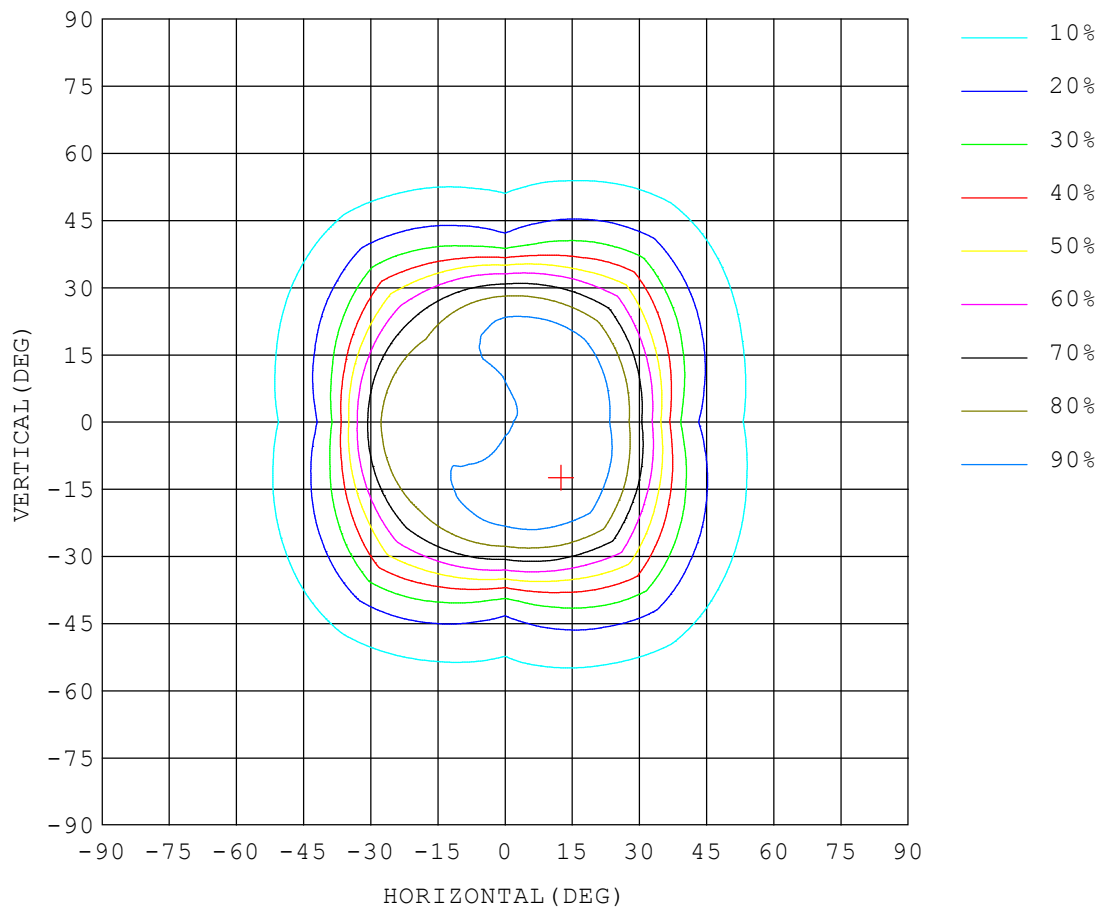
Test Set: 5.0deg/s C-Gamma (TYPE C)  
 Humidity:65.0%  
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 Remarks:

## ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N20040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd



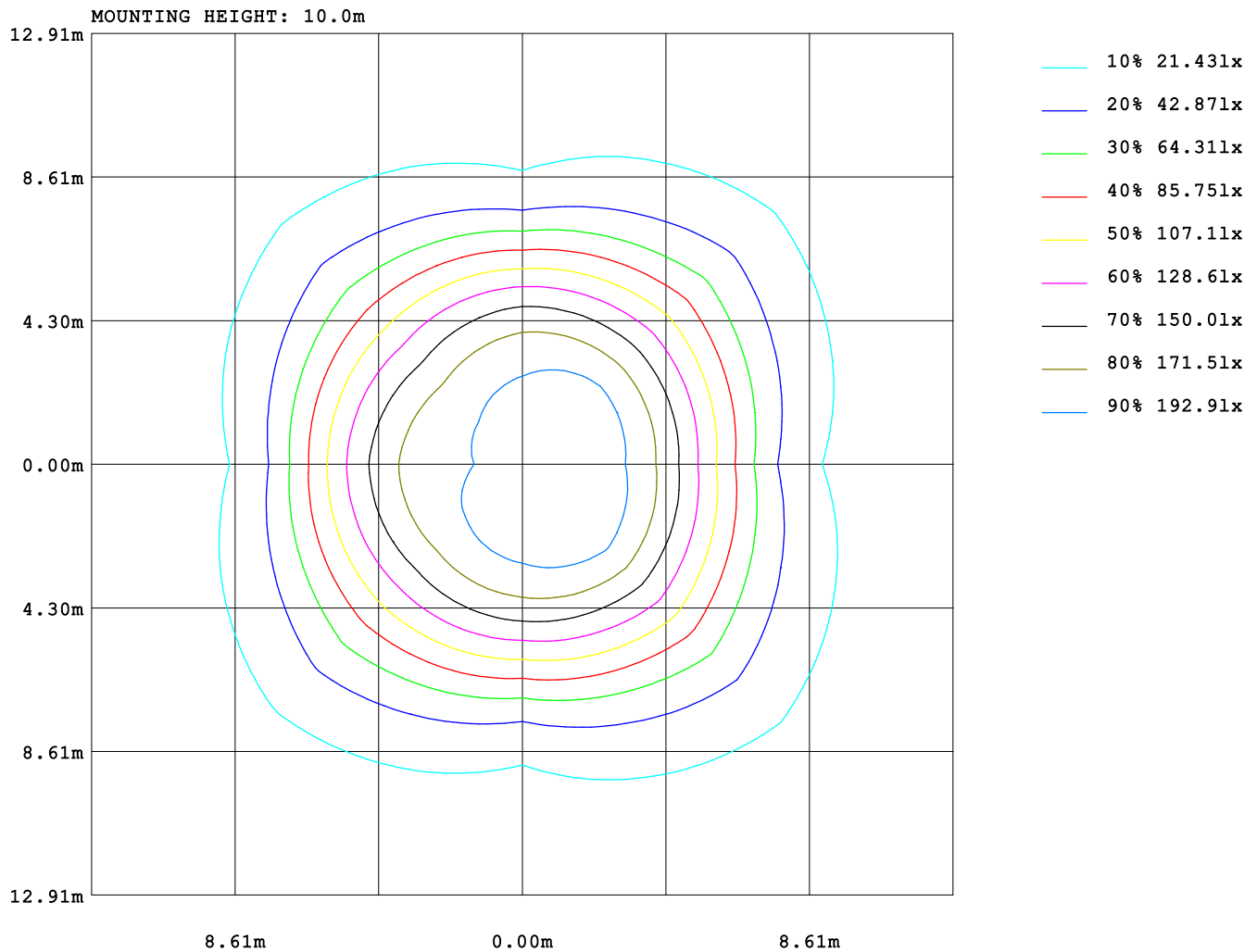
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2023.09.11

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

## ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N20040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :



Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2023.09.11

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Test Distance:10.000 m  
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## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N20040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: ×10cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	2070	2071	2071	2064	2070	2071	2071	2064
5.0	2134	2145	2117	2043	2002	2026	2077	2108
10.0	2185	2246	2160	2066	1994	2025	2100	2183
15.0	2216	2315	2191	2102	2055	2044	2137	2258
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30.0	1678	1995	1698	1736	1695	1659	1705	1875
35.0	1135	1652	1171	1432	1152	1356	1161	1552
40.0	629	1260	642	1081	572	991	575	1161
45.0	398	871	399	728	347	653	359	790
50.0	271	557	268	452	241	408	248	505
55.0	205	343	200	278	186	252	189	305
60.0	157	208	153	180	147	166	148	192
65.0	118	136	115	121	114	115	114	126
70.0	86.0	89.6	84.1	83.3	83.6	78.2	83.4	82.2
75.0	55.1	56.2	54.6	53.5	55.6	49.2	55.4	50.8
80.0	30.6	30.5	30.8	29.5	31.8	27.5	31.1	27.5
85.0	9.95	11.6	10.3	11.4	12.3	8.79	11.6	8.63
90.0	1.75	2.23	1.30	2.24	2.27	1.33	2.23	1.25

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