

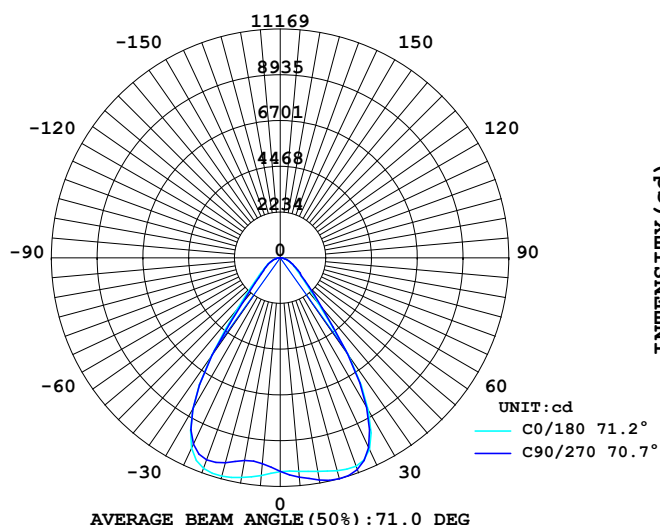
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

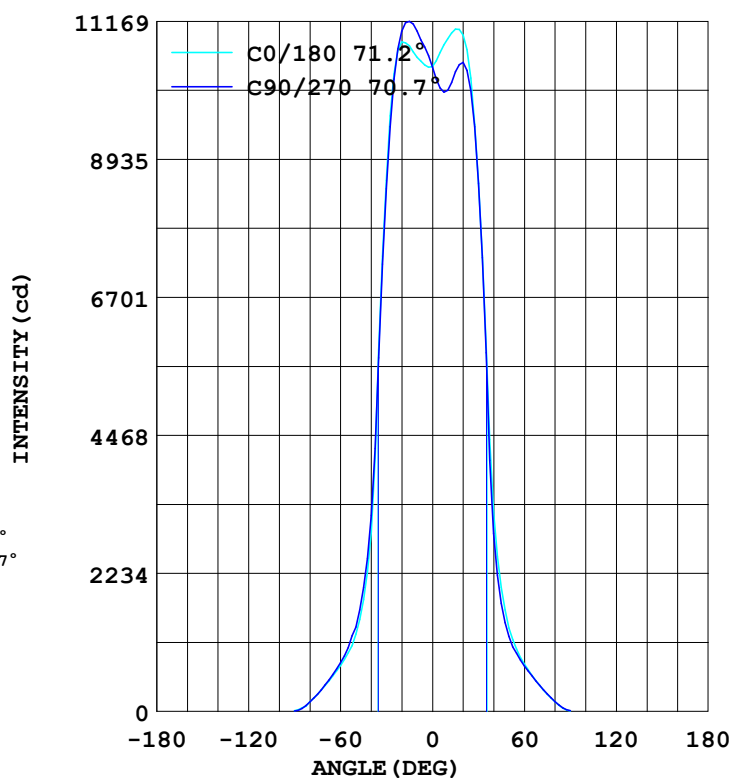
MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N10040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

DATA OF LAMP		Imax (cd)	11749	S/MH (C0/180)	1.04
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.04
NOMINAL POWER (W)	101.8	TOTAL FLUX (lm)	17214	Voltage (V)	232.6
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	169.1	Current (A)	0.445
NOMINAL FLUX (lm)	17214.0	η up (%)	0.0	Power (W)	101.8
LAMPS QUANTITY	1	η down (%)	100.0	Power Factor (PF)	0.982
TEST VOLTAGE (V)	232.6	Effective Flux (lm)	17214.0	EEL	0.089

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



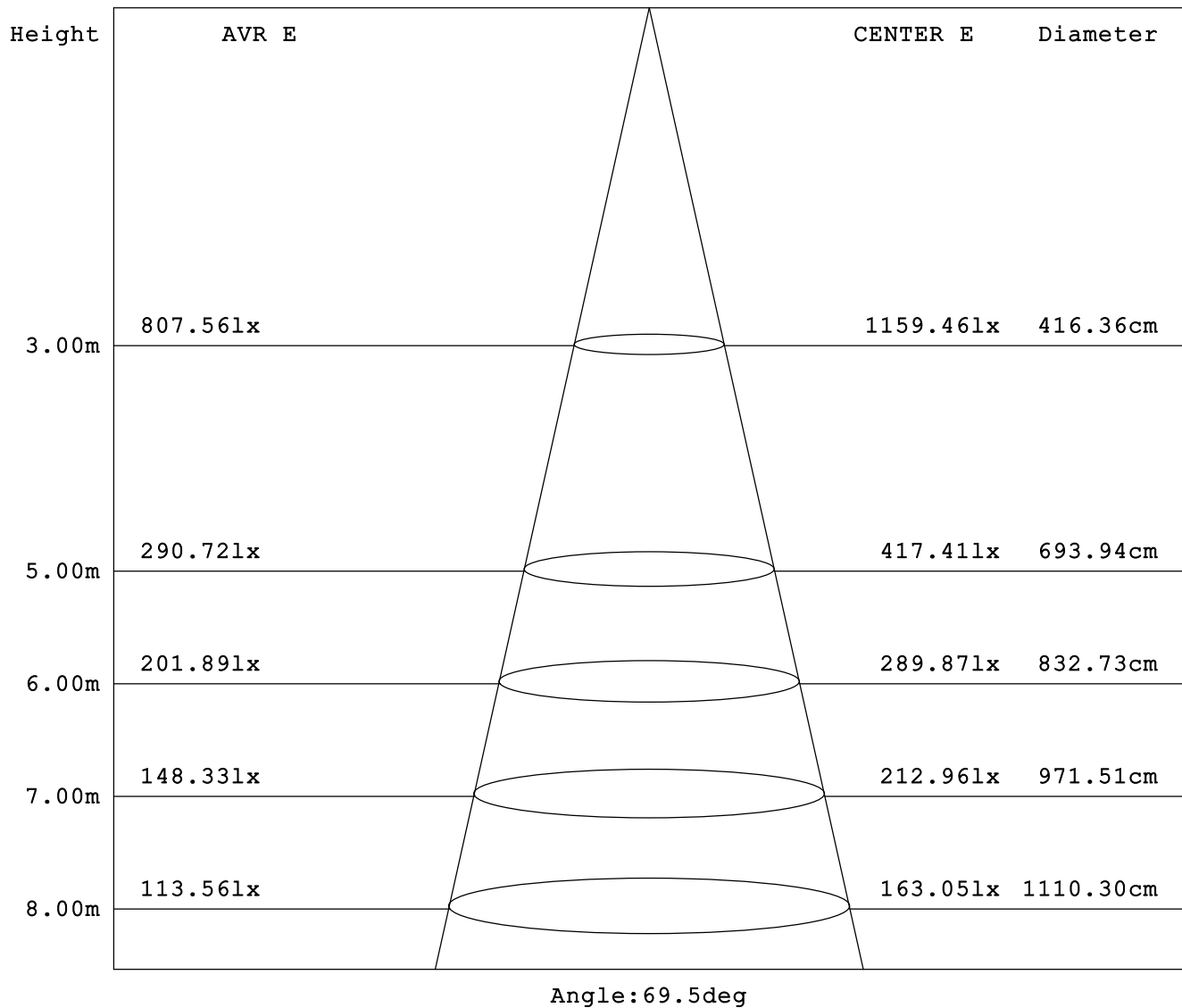
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2023.09.11

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

AVERAGE AND CENTER E Figure

Report number:

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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH			
Address:			
NAME: Laura		TYPE: IL-HB25-N10040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1046	1062	1075	1081	1067	1029	1009	1021	0- 5	250.0	250.0
10.0	1058	1100	1101	1132	1089	1041	1005	1021	5- 10	757.2	1007
15.0	1077	1138	1117	1166	1104	1059	1035	1030	10- 15	1283	2290
20.0	1083	1128	1101	1168	1095	1042	1051	1007	15- 20	1797	4087
25.0	1032	1064	1024	1109	1025	983.0	1005	945.9	20- 25	2218	6304
30.0	859.3	944.7	845.7	1005	855.6	875.0	854.1	835.8	25- 30	2423	8728
35.0	585.1	782.0	572.0	832.4	590.0	721.4	580.5	683.3	30- 35	2297	11024
40.0	289.9	584.8	317.1	634.8	323.6	544.8	288.0	499.2	35- 40	1818	12842
45.0	181.0	398.2	200.6	438.8	200.9	366.9	174.7	328.8	40- 45	1320	14161
50.0	125.0	254.4	136.5	280.8	135.0	227.8	121.5	205.3	45- 50	943.0	15104
55.0	95.28	153.8	103.1	172.7	100.8	140.0	93.85	127.1	50- 55	662.8	15767
60.0	74.46	96.61	78.99	105.0	76.92	90.66	73.84	83.44	55- 60	476.9	16244
65.0	57.68	63.38	59.68	68.38	58.15	61.17	57.54	57.77	60- 65	351.3	16596
70.0	42.06	41.44	43.38	45.15	42.41	41.98	42.13	39.45	65- 70	258.1	16854
75.0	27.92	25.61	27.81	28.32	27.54	26.97	28.06	24.79	70- 75	180.3	17034
80.0	15.70	13.89	15.46	15.40	15.54	14.88	16.04	13.86	75- 80	112.4	17146
85.0	5.853	4.353	5.018	5.853	5.239	5.779	6.211	4.432	80- 85	52.43	17199
90.0	1.125	0.631	0.887	1.125	0.659	1.130	1.147	0.671	85- 90	15.05	17214
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

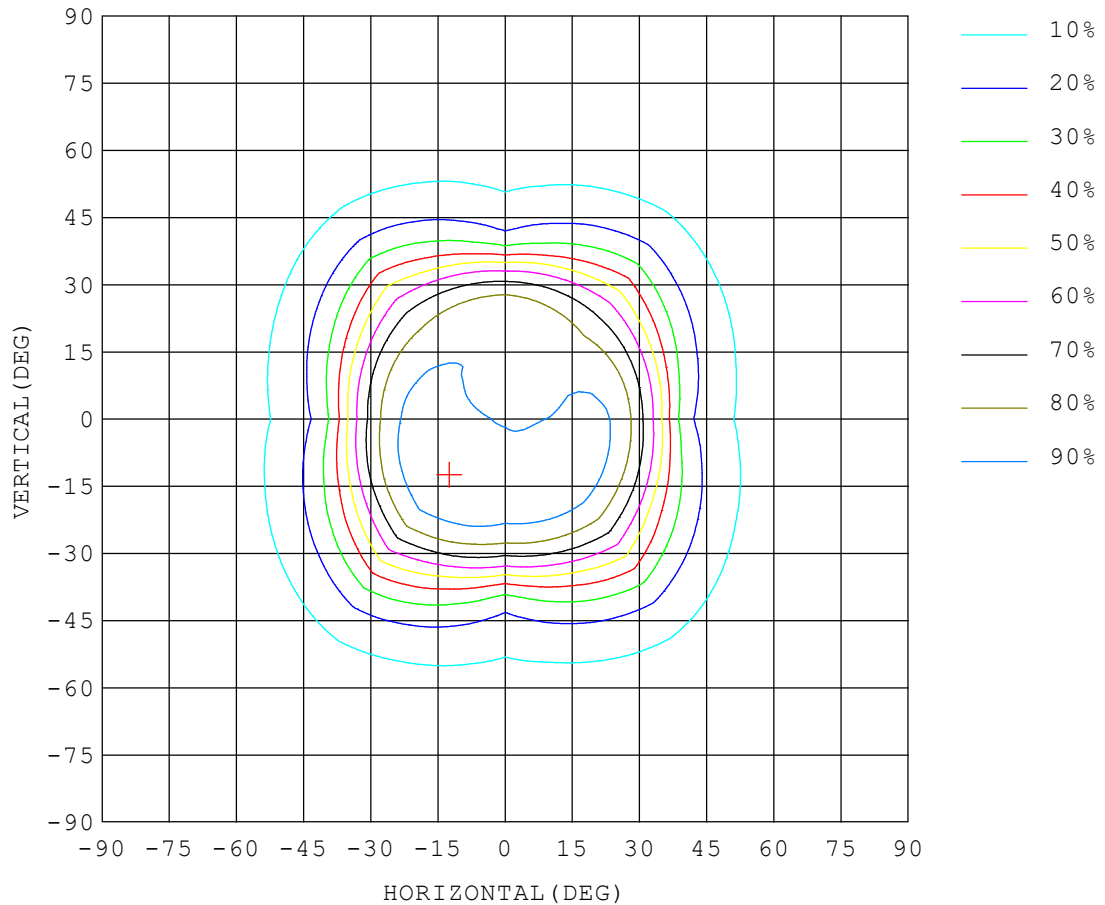
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 Remarks:

ISOCANDELA DIAGRAM

Report number:

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Address:			
NAME: Laura		TYPE: IL-HB25-N10040-75	WEIGHT:
SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: cd



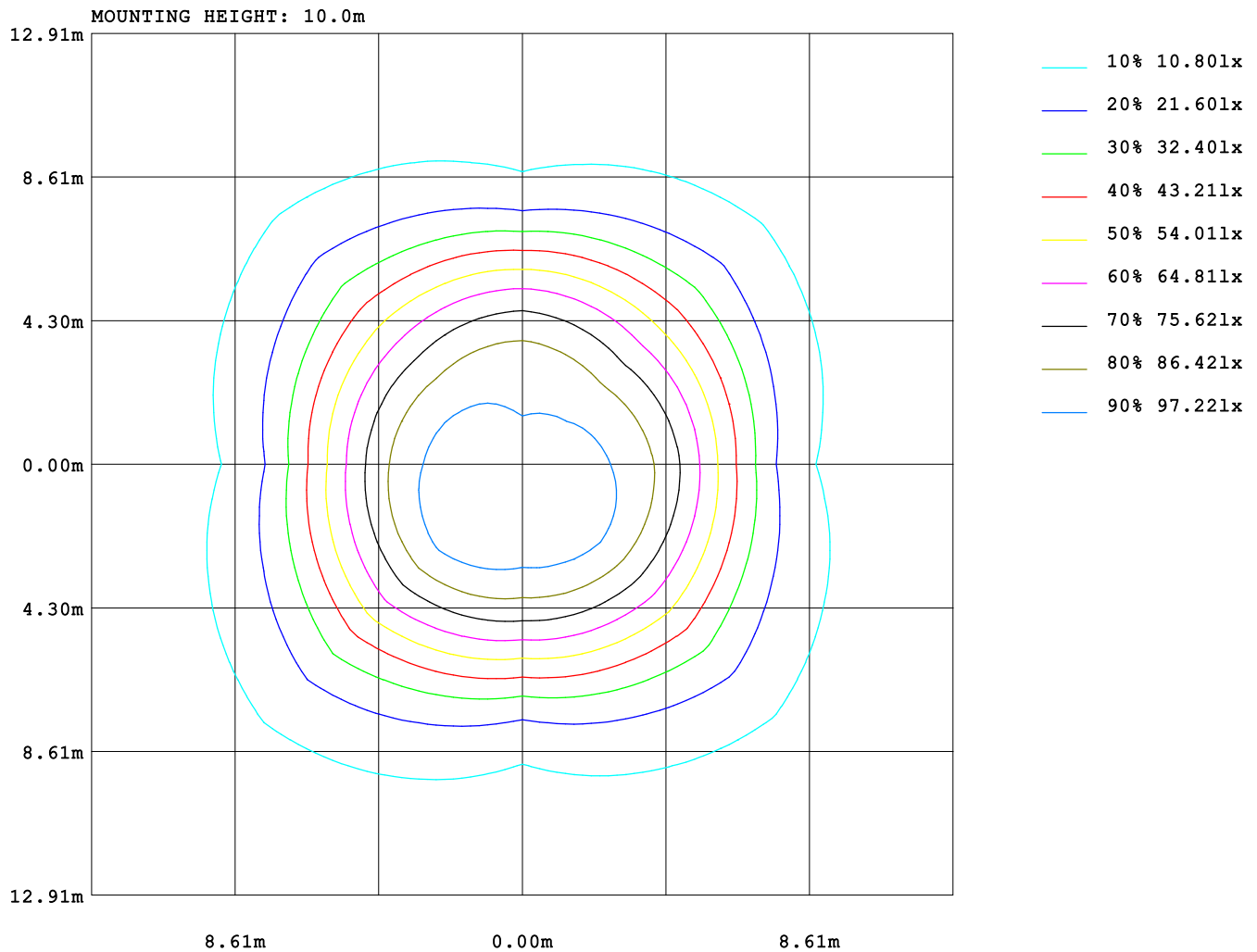
Test System:
Temperature:25.3DEG
Operators:
Test Date:2023.09.11

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

ISOLUX DIAGRAM

Report number:

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Operators:
Test Date:2023.09.11

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LUMINOUS DISTRIBUTION INTENSITY DATA

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MANUFACTURER: ILUMEN GMBH			
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SPECIFICATION: 2835LED 75deg	CCT (K) : 4000	DIMENSION:	SERIAL No. :

UNIT: ×10cd

γ (DEG)	C (DEG)							
	0	45	90	135	180	225	270	315
0.0	1044	1040	1043	1044	1044	1040	1043	1044
5.0	1046	1062	1075	1081	1067	1029	1009	1021
10.0	1058	1100	1101	1132	1089	1041	1005	1021
15.0	1077	1138	1117	1166	1104	1059	1035	1030
20.0	1083	1128	1101	1168	1095	1042	1051	1007
25.0	1032	1064	1024	1109	1025	983	1005	946
30.0	859	945	846	1005	856	875	854	836
35.0	585	782	572	832	590	721	581	683
40.0	290	585	317	635	324	545	288	499
45.0	181	398	201	439	201	367	175	329
50.0	125	254	137	281	135	228	122	205
55.0	95.2	154	103	173	101	140	93.8	127
60.0	74.4	96.6	78.9	105	76.9	90.6	73.8	83.4
65.0	57.6	63.3	59.6	68.3	58.1	61.1	57.5	57.7
70.0	42.0	41.4	43.3	45.1	42.4	41.9	42.1	39.4
75.0	27.9	25.6	27.8	28.3	27.5	26.9	28.0	24.7
80.0	15.7	13.8	15.4	15.4	15.5	14.8	16.0	13.8
85.0	5.85	4.35	5.01	5.85	5.23	5.77	6.21	4.43
90.0	1.12	0.63	0.89	1.12	0.66	1.13	1.14	0.67

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