

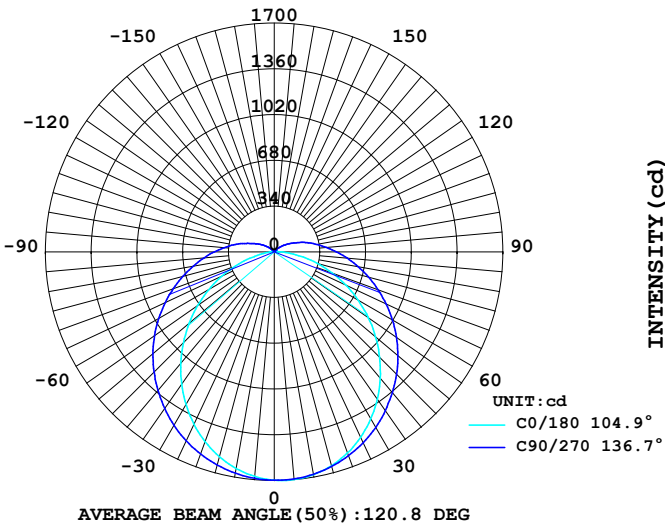
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

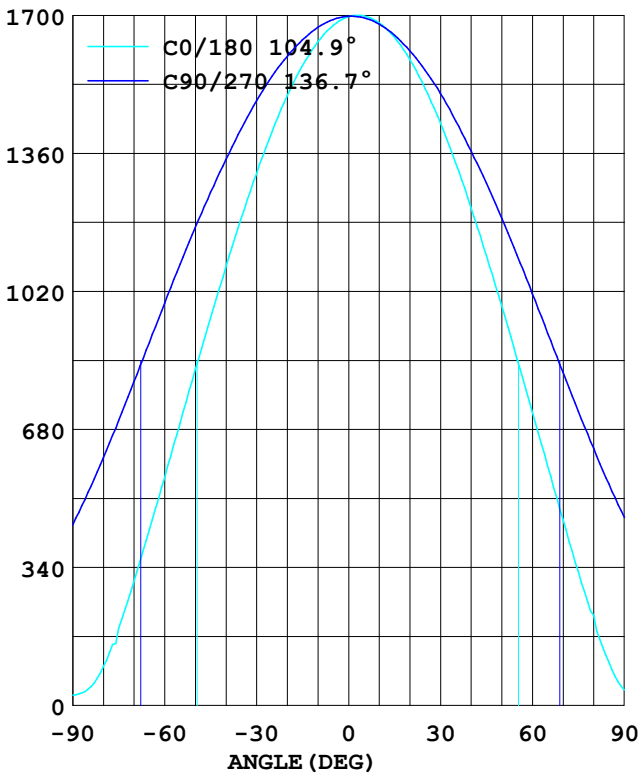
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	1700	S/MH (C0/180)	1.16
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.31
NOMINAL POWER(W)	40	TOTAL FLUX(lm)	5972.8	Voltage(V)	230.1
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	150.3	Current(A)	0.178
NOMINAL FLUX(lm)	5972.8	$\eta$ up (%)	8.9	Power(W)	39.73
LAMPS QUANTITY	1	$\eta$ down (%)	91.1	Power Factor (PF)	0.957
TEST VOLTAGE (V)	230.2	Effective Flux(lm)	5768.4	EEI	0.094

LUMINOUS INTENSITY DISTRIBUTION



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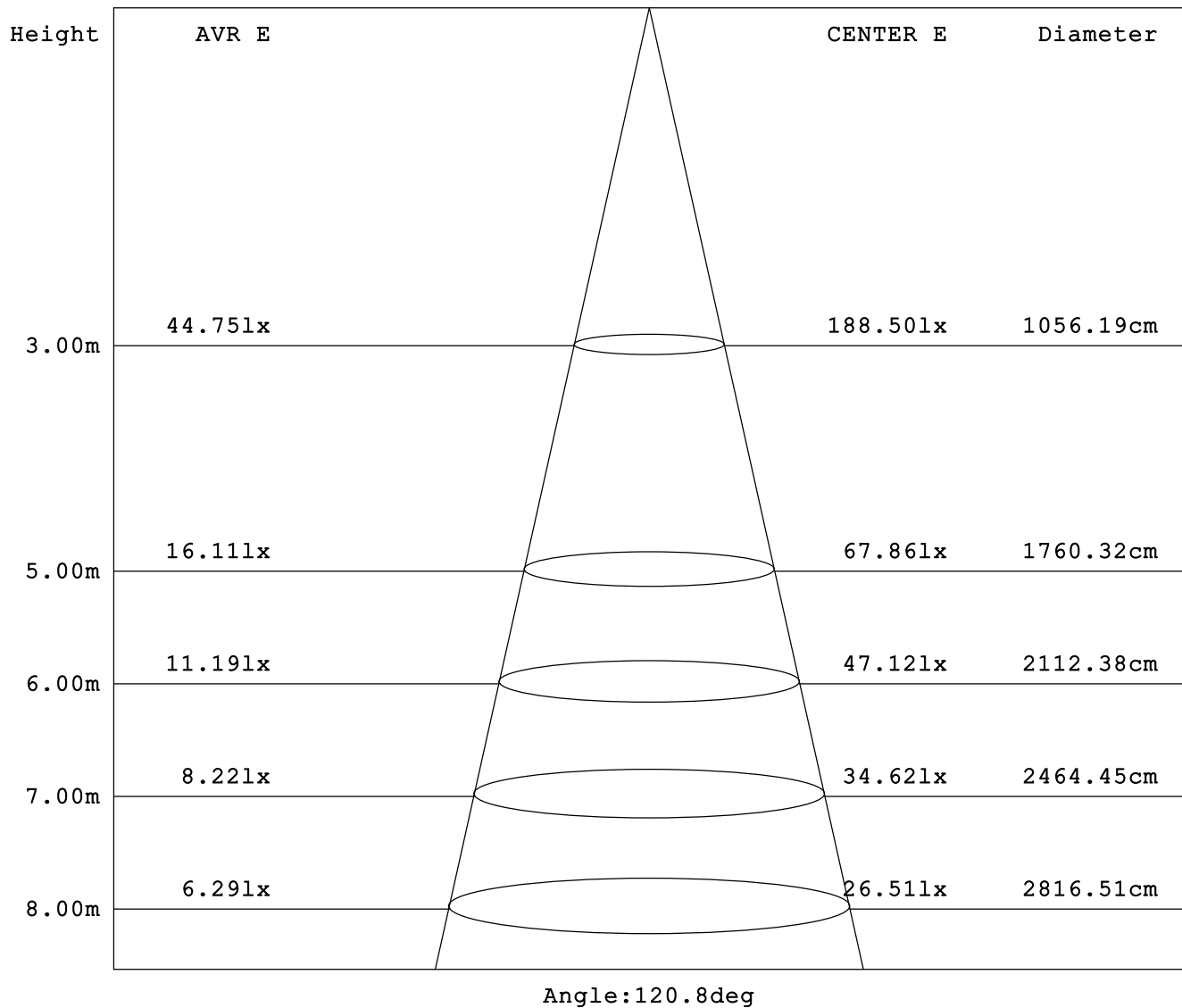
Test System:  
Temperature:25.3DEG  
Operators:  
Test Date:2024.12.25

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: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



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Temperature: 25.3DEG  
Operators:  
Test Date: 2024.12.25

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Remarks:

## ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	zone	total
5.0	1675	1690	1699	1694					0- 5	40.48	40.48
10.0	1635	1670	1681	1679					5- 10	120.0	160.5
15.0	1576	1640	1646	1651					10- 15	195.4	355.9
20.0	1503	1599	1591	1613					15- 20	264.1	620.0
25.0	1413	1550	1520	1565					20- 25	323.9	943.9
30.0	1311	1490	1436	1508					25- 30	373.0	1317
35.0	1201	1421	1336	1440					30- 35	410.1	1727
40.0	1081	1345	1225	1366					35- 40	434.3	2161
45.0	954.8	1264	1109	1286					40- 45	445.7	2607
50.0	827.7	1177	983.3	1200					45- 50	444.6	3052
55.0	695.4	1087	853.4	1110					50- 55	431.3	3483
60.0	561.9	991.3	723.6	1015					55- 60	406.5	3890
65.0	433.4	893.9	589.6	916.8					60- 65	372.2	4262
70.0	306.4	798.3	458.9	821.0					65- 70	330.0	4592
75.0	190.2	702.2	329.7	724.2					70- 75	282.4	4874
80.0	95.59	610.2	222.0	633.4					75- 80	232.9	5107
85.0	39.76	525.1	106.2	545.1					80- 85	186.7	5294
90.0	25.25	445.2	38.31	463.0					85- 90	148.7	5443
95.0	22.44	372.7	19.83	390.2					90- 95	121.0	5564
100.0	20.70	309.0	18.28	323.8					95-100	100.0	5664
105.0	19.15	243.8	17.12	265.1					100-105	81.48	5745
110.0	17.90	183.7	16.06	214.4					105-110	63.67	5809
115.0	16.73	144.3	15.09	158.2					110-115	48.01	5857
120.0	15.77	108.7	14.12	119.5					115-120	35.95	5893
125.0	14.80	77.98	13.35	87.08					120-125	26.01	5919
130.0	14.03	51.76	12.57	58.34					125-130	17.88	5937
135.0	13.44	29.22	11.99	33.96					130-135	11.33	5948
140.0	12.77	13.35	11.51	17.12					135-140	6.497	5955
145.0	12.28	12.28	11.03	15.28					140-145	4.366	5959
150.0	11.99	11.80	10.74	14.32					145-150	3.672	5963
155.0	11.99	11.32	10.25	13.64					150-155	3.038	5966
160.0	12.09	11.12	10.83	13.06					155-160	2.467	5968
165.0	12.28	11.03	11.32	12.86					160-165	1.948	5970
170.0	12.38	11.12	11.70	12.77					165-170	1.413	5972
175.0	12.48	11.32	11.99	12.77					170-175	0.862	5973
180.0	12.28	11.03	12.38	12.57					175-180	0.290	5973
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

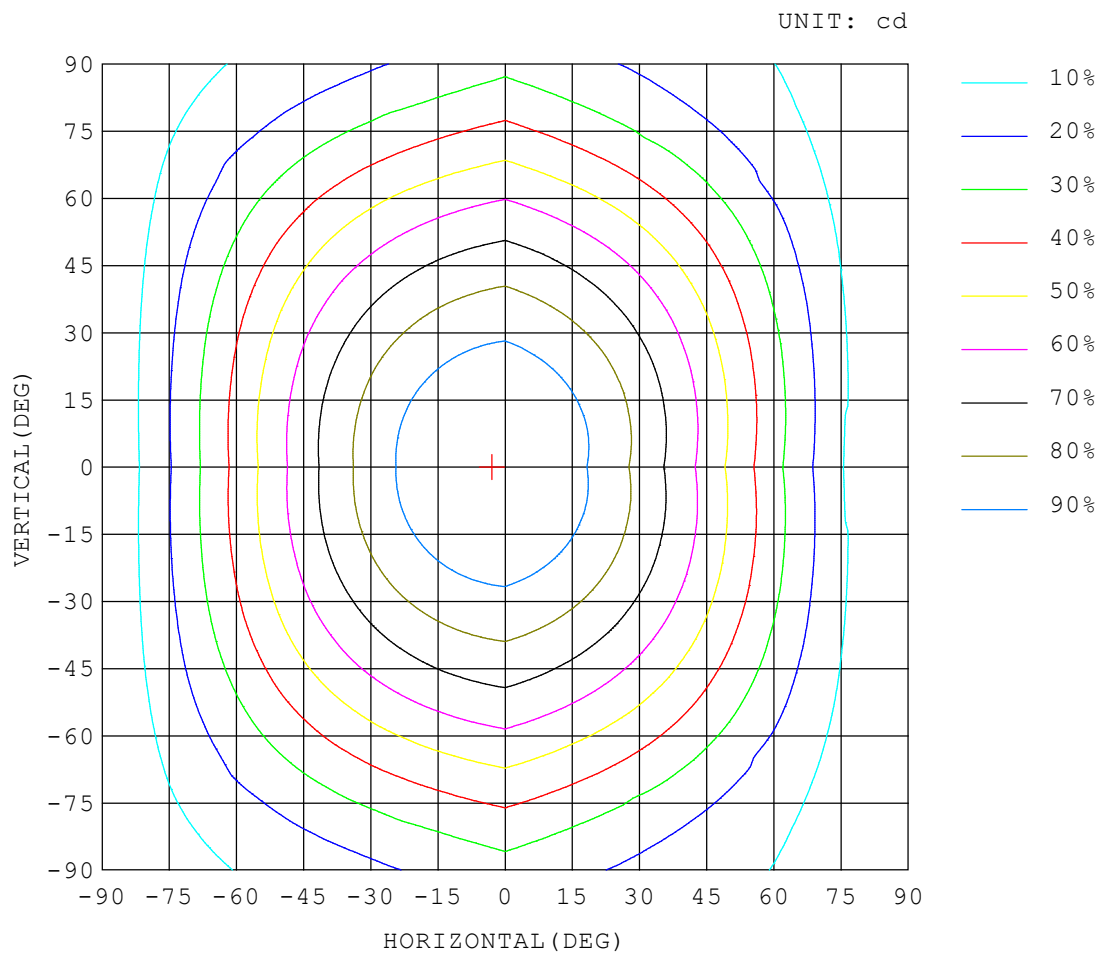
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Operators:  
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Remarks:

## ISOCANDELA DIAGRAM

Report number:

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NAME: IL-TL15-N04040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:



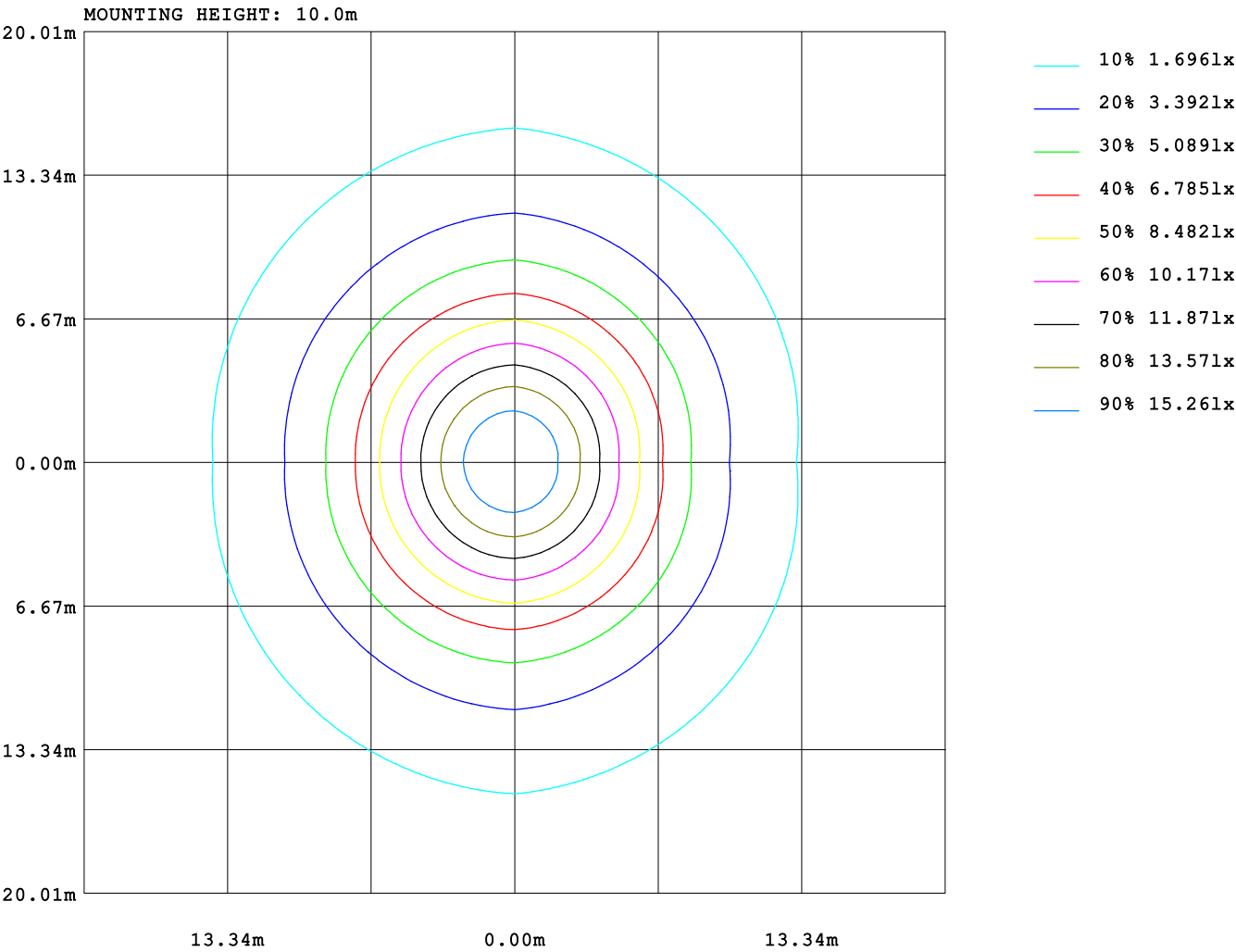
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ISOLUX DIAGRAM

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SPECIFICATION:	DIMENSION:	SERIAL No.:



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Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

<b>MANUFACTURER: ILUMEN GMBH</b>	<b>Address:</b>	
<b>NAME: IL-TL15-N04040-120</b>	<b>TYPE: 4000K</b>	<b>WEIGHT:</b>
<b>SPECIFICATION:</b>	<b>DIMENSION:</b>	<b>SERIAL No.:</b>

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270
0.0	1696	1698	1696	1698
5.0	1675	1690	1699	1694
10.0	1635	1670	1681	1679
15.0	1576	1640	1646	1651
20.0	1503	1599	1591	1613
25.0	1413	1550	1520	1565
30.0	1311	1490	1436	1508
35.0	1201	1421	1336	1440
40.0	1081	1345	1225	1366
45.0	955	1264	1109	1286
50.0	828	1177	983	1200
55.0	695	1087	853	1110
60.0	562	991	724	1015
65.0	433	894	590	917
70.0	306	798	459	821
75.0	190	702	330	724
80.0	95.5	610	222	633
85.0	39.7	525	106	545
90.0	25.2	445	38.3	463
95.0	22.4	373	19.8	390
100.0	20.7	309	18.2	324
105.0	19.1	244	17.1	265
110.0	17.9	184	16.0	214
115.0	16.7	144	15.0	158
120.0	15.7	109	14.1	120
125.0	14.8	77.9	13.3	87.0
130.0	14.0	51.7	12.5	58.3
135.0	13.4	29.2	11.9	33.9
140.0	12.7	13.3	11.5	17.1
145.0	12.2	12.2	11.0	15.2
150.0	11.9	11.8	10.7	14.3
155.0	11.9	11.3	10.2	13.6
160.0	12.0	11.1	10.8	13.0
165.0	12.2	11.0	11.3	12.8
170.0	12.3	11.1	11.7	12.7
175.0	12.4	11.3	11.9	12.7
180.0	12.2	11.0	12.3	12.5

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