

LUMINAIRE PHOTOMETRIC TEST REPORT

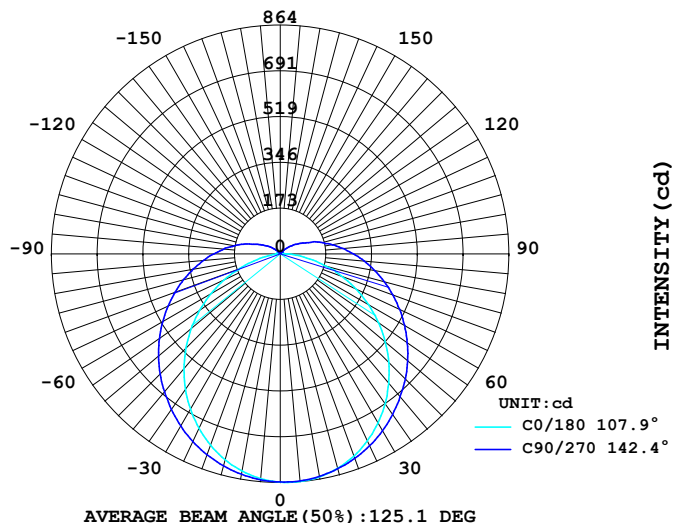
Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N02040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

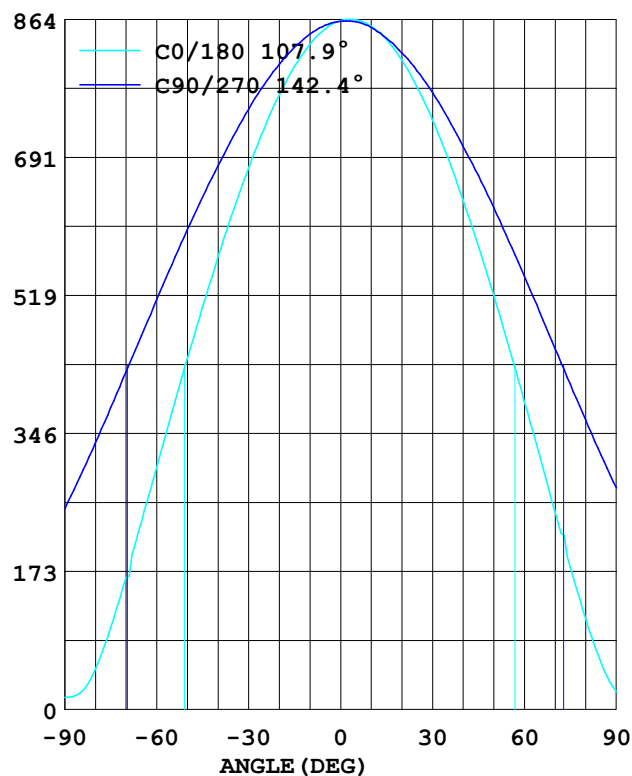
DATA OF LAMP		Imax (cd)	864.2	S/MH (C0/180)	1.18
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.30
NOMINAL POWER(W)	20	TOTAL FLUX(lm)	3174.8	Voltage (V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	151.7	Current (A)	0.096
NOMINAL FLUX(lm)	3174.8	η up (%)	10.0	Power (W)	20.93
LAMPS QUANTITY	1	η down (%)	90.0	Power Factor (PF)	0.938
TEST VOLTAGE (V)	230.3	Effective Flux(lm)	3067.9	EEI	0.093

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



INTENSITY (cd)



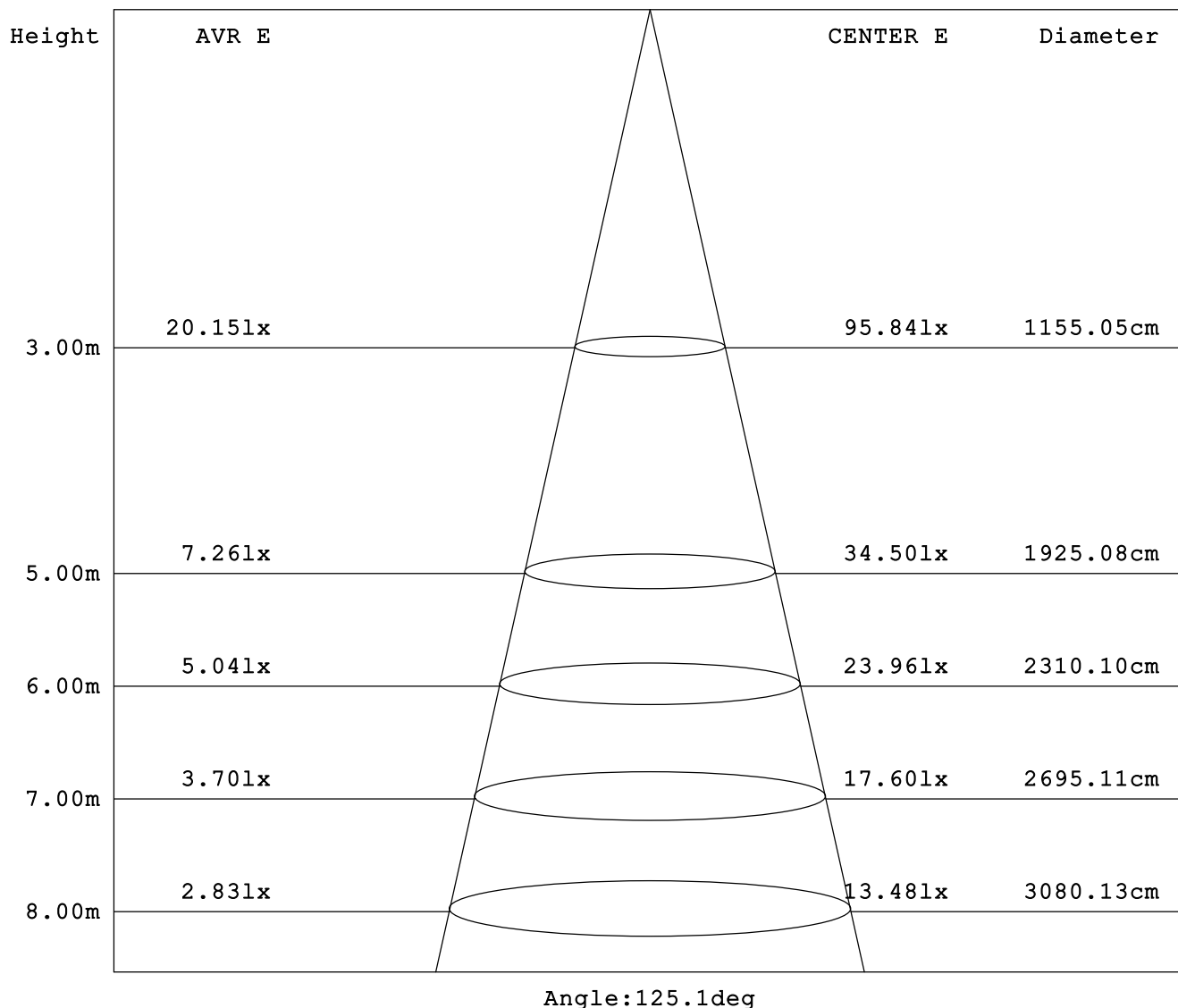
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024.12.25

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

AVERAGE AND CENTER E Figure

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ZONAL FLUX DIAGRAM

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SPECIFICATION:	DIMENSION:	SERIAL No.:

γ	C0	C90	C180	C270					γ	Zone	total
5.0	852.2	856.7	863.7	861.2					0- 5	20.57	20.57
10.0	832.6	845.5	855.7	854.1					5- 10	61.01	81.58
15.0	805.3	829.1	838.7	840.6					10- 15	99.38	180.9
20.0	769.6	808.1	813.5	822.5					15- 20	134.4	315.4
25.0	726.7	782.1	779.7	799.6					20- 25	165.2	480.6
30.0	678.1	751.5	738.5	773.0					25- 30	190.7	671.4
35.0	624.2	717.8	691.6	740.8					30- 35	210.3	881.8
40.0	566.9	680.3	638.0	705.0					35- 40	223.6	1106
45.0	504.4	641.5	579.7	668.6					40- 45	230.6	1336
50.0	438.8	600.7	519.0	628.5					45- 50	231.4	1568
55.0	372.8	557.6	453.8	585.7					50- 55	225.9	1794
60.0	303.6	513.6	385.6	543.0					55- 60	214.6	2008
65.0	234.5	468.1	318.0	497.5					60- 65	198.2	2206
70.0	165.5	422.5	247.9	452.0					65- 70	177.2	2384
75.0	103.0	378.0	177.9	407.3					70- 75	154.0	2538
80.0	50.20	333.8	113.8	362.5					75- 80	128.5	2666
85.0	20.59	291.1	58.89	318.7					80- 85	104.7	2771
90.0	15.10	251.0	22.40	277.6					85- 90	85.53	2857
95.0	13.90	214.4	11.60	238.0					90- 95	71.19	2928
100.0	12.90	177.4	10.30	201.3					95-100	59.72	2988
105.0	12.00	144.5	9.800	166.8					100-105	49.00	3037
110.0	11.20	108.5	9.300	134.5					105-110	39.06	3076
115.0	10.40	83.90	8.700	98.39					110-115	29.03	3105
120.0	9.800	62.80	8.299	76.80					115-120	21.81	3126
125.0	9.200	44.79	7.800	56.59					120-125	15.92	3142
130.0	8.700	28.69	7.400	38.69					125-130	10.96	3153
135.0	8.200	15.30	7.000	23.79					130-135	6.951	3160
140.0	7.700	6.900	6.700	11.70					135-140	3.941	3164
145.0	7.300	6.700	6.400	9.900					140-145	2.608	3167
150.0	7.000	6.400	6.100	9.300					145-150	2.176	3169
155.0	7.000	6.200	5.900	8.700					150-155	1.791	3171
160.0	7.000	6.100	6.000	8.200					155-160	1.440	3172
165.0	7.100	6.000	6.200	7.900					160-165	1.121	3173
170.0	7.100	6.000	6.400	7.700					165-170	0.806	3174
175.0	7.000	6.000	6.500	7.700					170-175	0.487	3175
180.0	6.900	6.200	6.900	7.600					175-180	0.163	3175
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

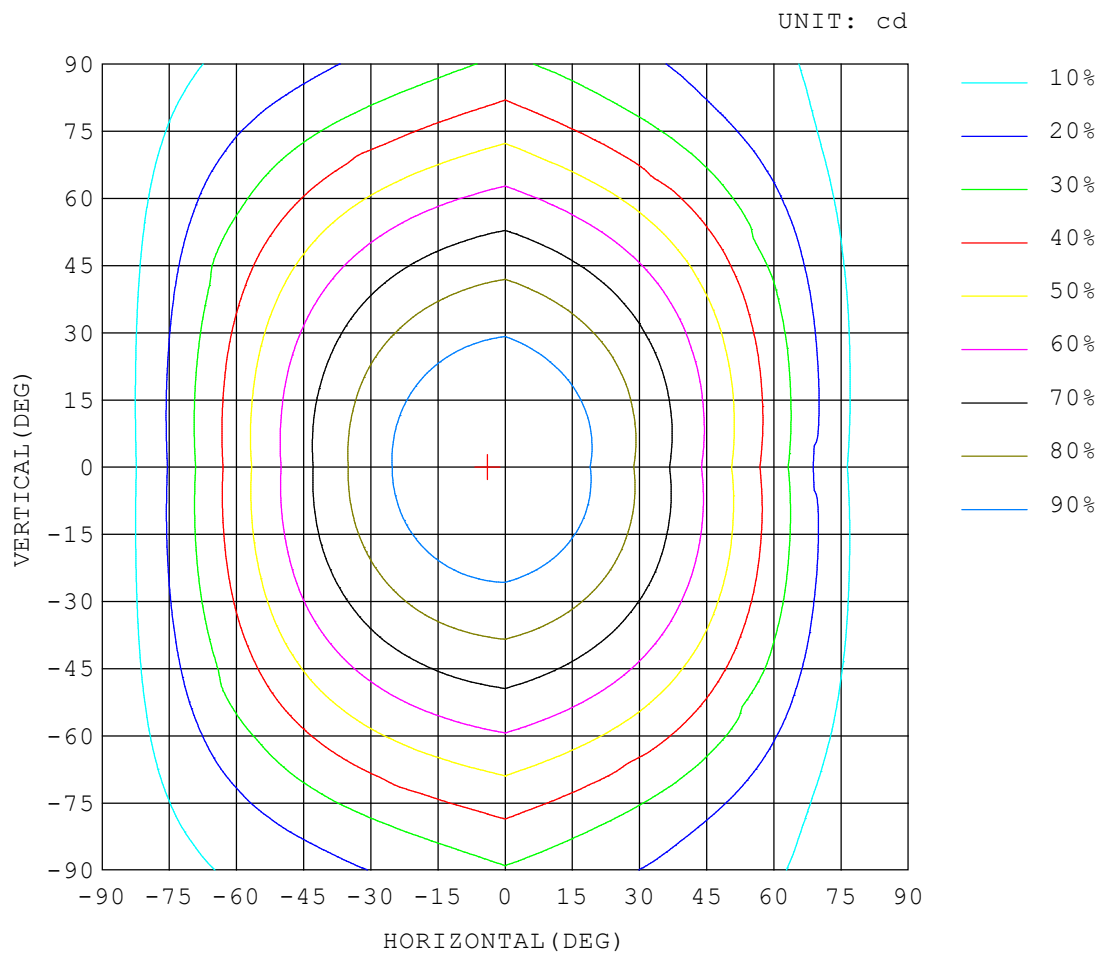
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Operators:
Test Date:2024.12.25

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Remarks:

ISOCANDELA DIAGRAM

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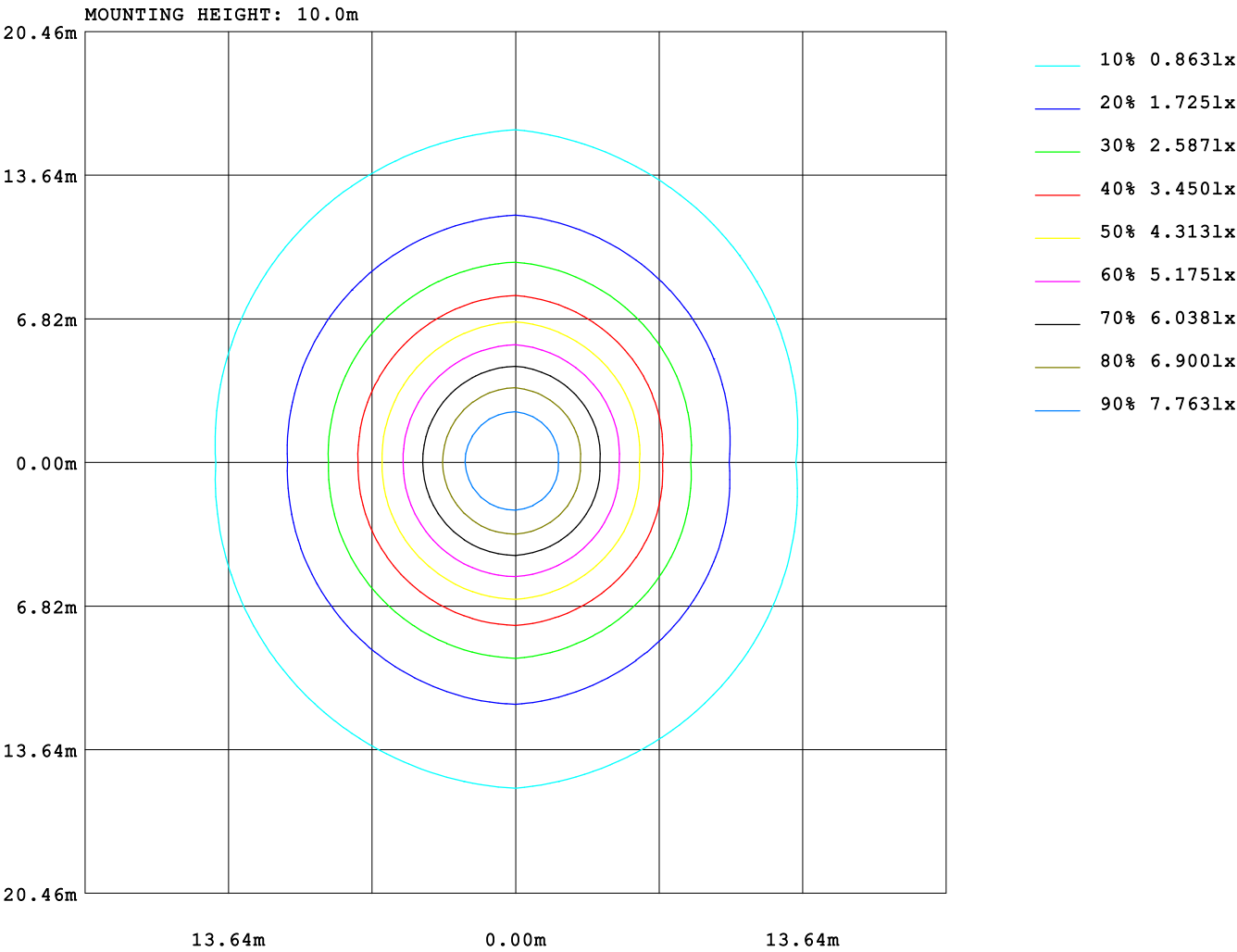
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ISOLUX DIAGRAM

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LUMINOUS DISTRIBUTION INTENSITY DATA

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UNIT: cd

C (DEG) γ (DEG)	0	90	180	270
0.0	863	862	863	862
5.0	852	857	864	861
10.0	833	846	856	854
15.0	805	829	839	841
20.0	770	808	814	823
25.0	727	782	780	800
30.0	678	752	739	773
35.0	624	718	692	741
40.0	567	680	638	705
45.0	504	642	580	669
50.0	439	601	519	629
55.0	373	558	454	586
60.0	304	514	386	543
65.0	235	468	318	498
70.0	166	423	248	452
75.0	103	378	178	407
80.0	50.2	334	114	363
85.0	20.5	291	58.8	319
90.0	15.1	251	22.4	278
95.0	13.9	214	11.6	238
100.0	12.9	177	10.3	201
105.0	12.0	145	9.80	167
110.0	11.2	109	9.30	135
115.0	10.4	83.9	8.70	98.3
120.0	9.80	62.8	8.29	76.8
125.0	9.20	44.7	7.80	56.5
130.0	8.70	28.6	7.40	38.6
135.0	8.20	15.3	7.00	23.7
140.0	7.70	6.90	6.70	11.7
145.0	7.30	6.70	6.40	9.90
150.0	7.00	6.40	6.10	9.30
155.0	7.00	6.20	5.90	8.70
160.0	7.00	6.10	6.00	8.20
165.0	7.10	6.00	6.20	7.90
170.0	7.10	6.00	6.40	7.70
175.0	7.00	6.00	6.50	7.70
180.0	6.90	6.20	6.90	7.60

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