

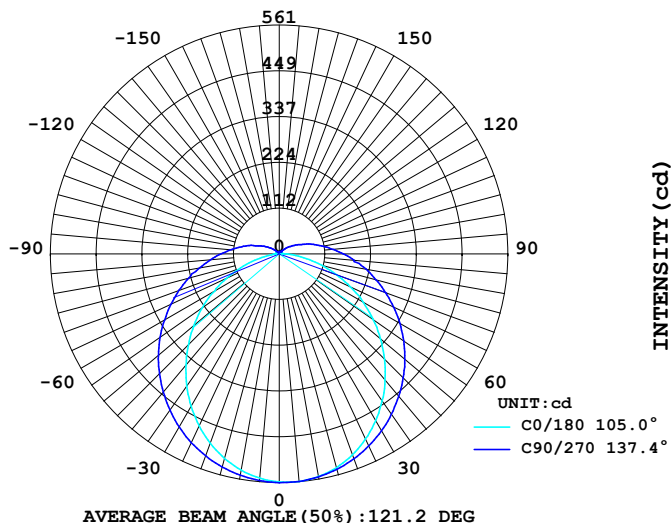
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

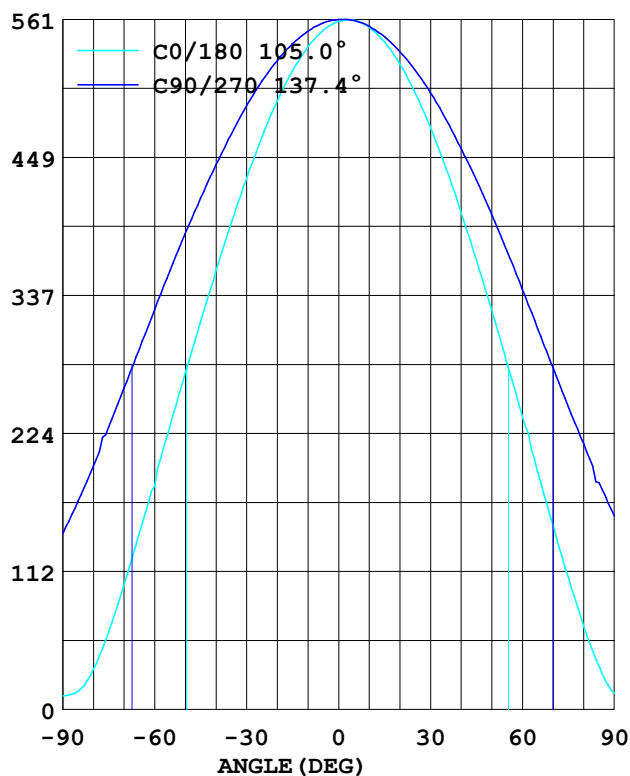
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: IL-TL15-N02040-120	TYPE: 4000K	WEIGHT:
SPECIFICATION:	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	560.9	S/MH (C0/180)	1.16
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.30
NOMINAL POWER(W)	12	TOTAL FLUX(lm)	1982.6	Voltage(V)	230.3
RATED VOLTAGE (V)	230	EFFICIENCY (lm/W)	160.3	Current(A)	0.057
NOMINAL FLUX(lm)	1982.7	η up (%)	9.1	Power(W)	12.37
LAMPS QUANTITY	1	η down (%)	90.9	Power Factor (PF)	0.936
TEST VOLTAGE (V)	230.3	Effective Flux(lm)	1907.0	EEI	0.088

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



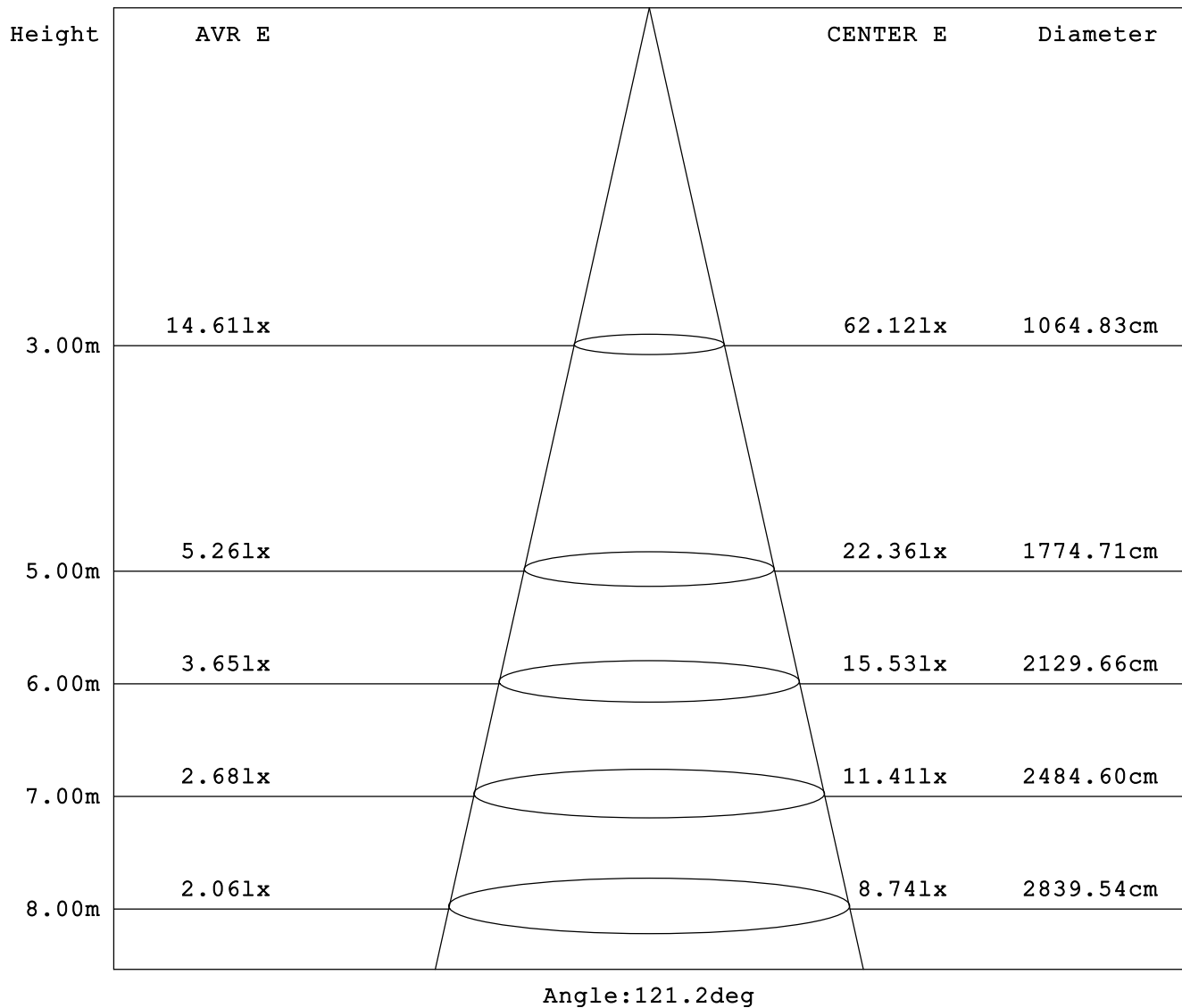
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2024.12.25

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

AVERAGE AND CENTER E Figure

Report number:

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

γ	C0	C90	C180	C270					γ	Zone	total
5.0	552.0	557.9	560.3	559.9					0- 5	13.36	13.36
10.0	538.4	551.1	554.2	555.4					5- 10	39.61	52.97
15.0	518.9	541.0	542.6	546.7					10- 15	64.48	117.4
20.0	494.7	527.2	524.7	534.6					15- 20	87.16	204.6
25.0	465.2	510.7	501.1	519.6					20- 25	106.9	311.5
30.0	431.5	490.7	473.2	501.3					25- 30	123.1	434.7
35.0	395.6	467.4	440.3	479.8					30- 35	135.4	570.1
40.0	356.2	442.5	403.8	456.1					35- 40	143.5	713.7
45.0	315.0	415.5	365.3	430.2					40- 45	147.3	861.1
50.0	273.6	386.8	324.1	402.1					45- 50	147.1	1008
55.0	230.5	356.9	281.4	372.7					50- 55	142.8	1151
60.0	181.7	325.0	238.7	341.5					55- 60	134.7	1286
65.0	143.3	292.7	193.0	309.3					60- 65	123.3	1409
70.0	101.4	261.4	149.8	277.9					65- 70	109.3	1519
75.0	62.99	229.6	107.4	246.0					70- 75	93.68	1612
80.0	32.60	197.6	67.86	215.9					75- 80	77.53	1690
85.0	14.82	169.2	35.36	184.4					80- 85	61.91	1752
90.0	11.01	142.9	13.02	157.2					85- 90	49.54	1801
95.0	9.952	119.1	7.411	132.4					90- 95	40.38	1842
100.0	9.105	98.25	6.881	109.8					95-100	33.41	1875
105.0	8.469	79.51	6.458	90.09					100-105	27.30	1902
110.0	7.834	59.07	6.034	72.62					105-110	21.59	1924
115.0	7.305	46.05	5.823	54.73					110-115	16.22	1940
120.0	6.881	34.93	5.505	42.34					115-120	12.34	1953
125.0	6.458	25.19	5.293	31.65					120-125	9.118	1962
130.0	6.140	16.83	4.976	22.12					125-130	6.432	1968
135.0	5.823	9.740	4.870	14.18					130-135	4.262	1972
140.0	5.505	4.870	4.658	8.046					135-140	2.626	1975
145.0	5.293	4.658	4.552	7.199					140-145	1.854	1977
150.0	4.976	4.446	4.446	6.670					145-150	1.562	1979
155.0	5.081	4.340	4.446	6.246					150-155	1.286	1980
160.0	5.081	4.234	4.446	5.928					155-160	1.038	1981
165.0	5.081	4.129	4.658	5.717					160-165	0.808	1982
170.0	4.976	4.129	4.764	5.611					165-170	0.579	1982
175.0	4.976	4.234	4.870	5.505					170-175	0.348	1983
180.0	4.976	4.234	5.187	5.293					175-180	0.117	1983
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

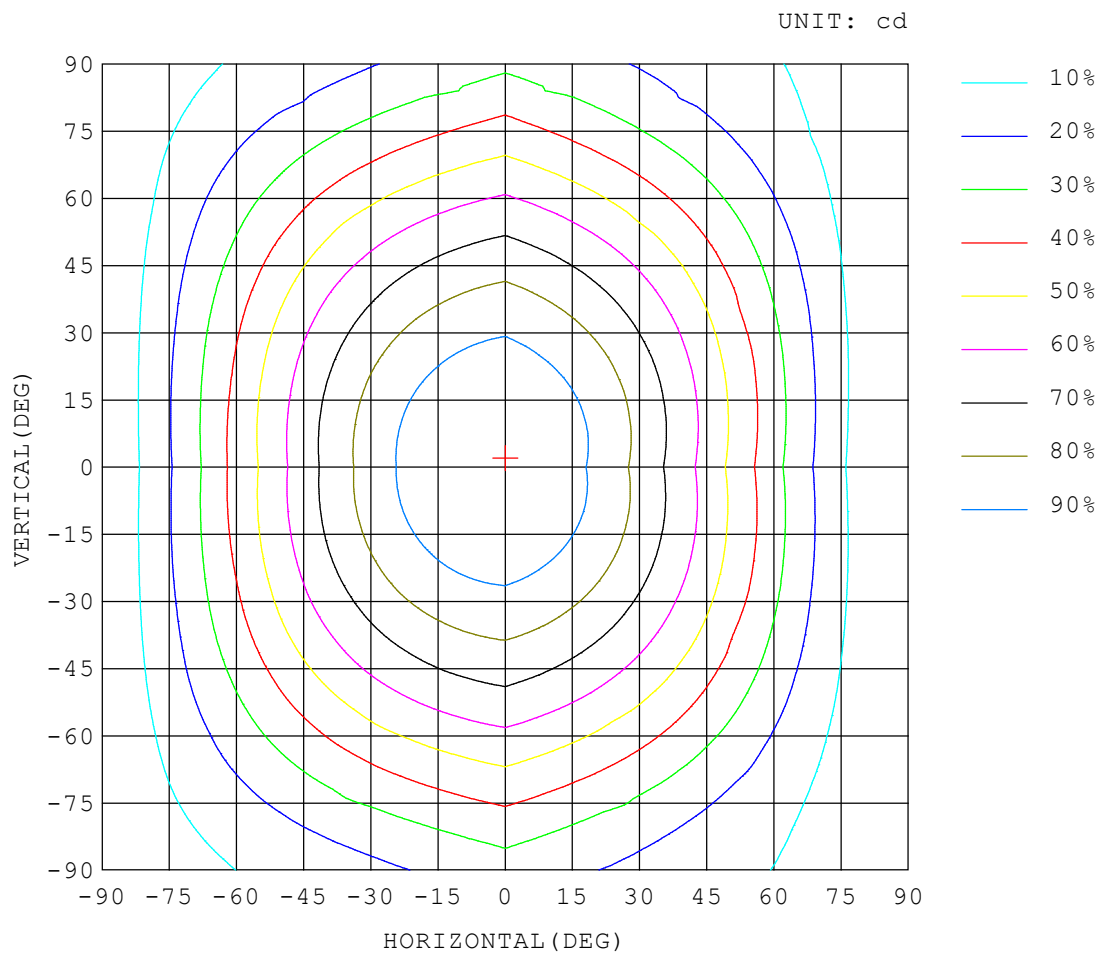
Test System:
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Operators:
Test Date:2024.12.25

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Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

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



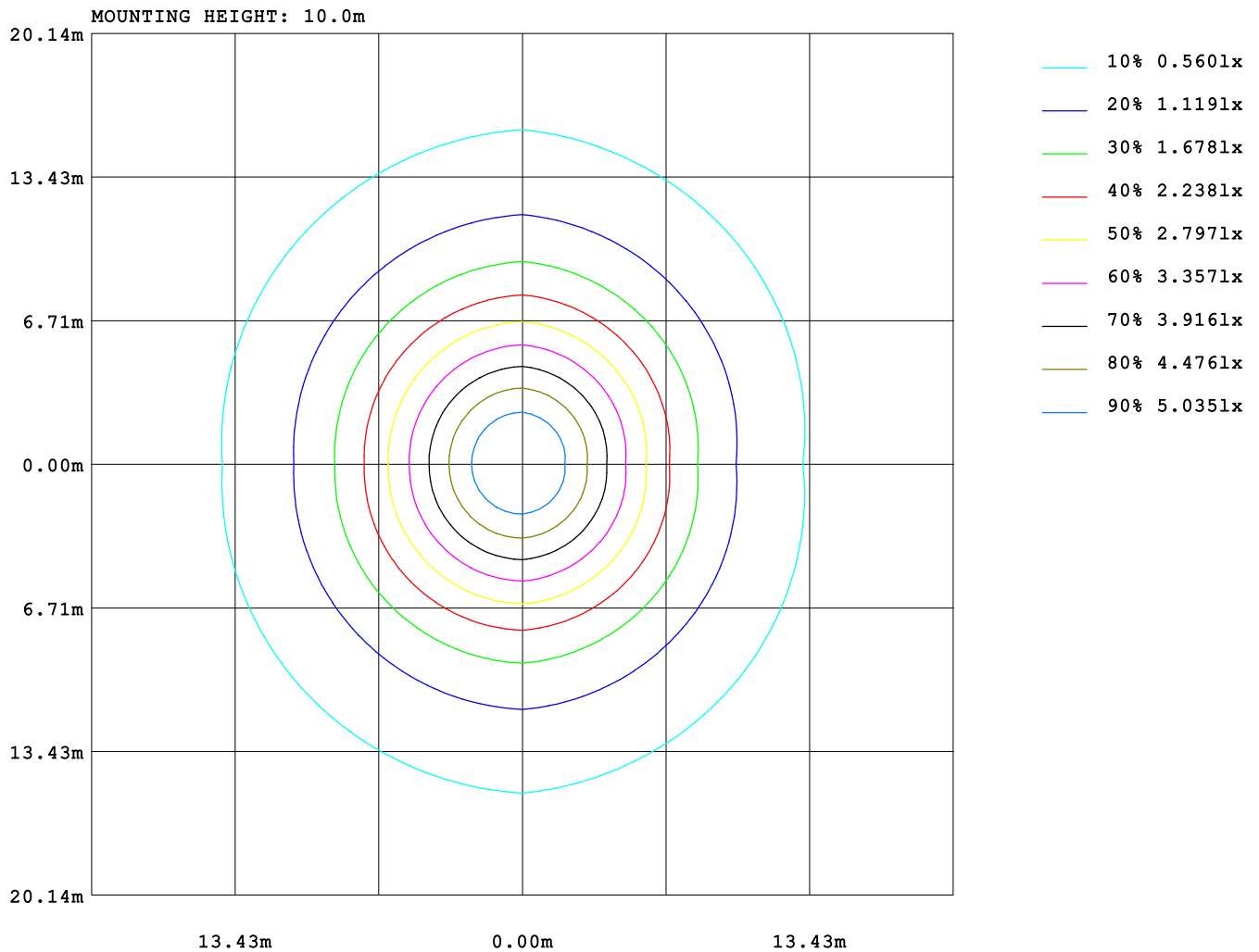
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ISOLUX DIAGRAM

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LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

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

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270
0.0	559	561	559	561
5.0	552	558	560	560
10.0	538	551	554	555
15.0	519	541	543	547
20.0	495	527	525	535
25.0	465	511	501	520
30.0	432	491	473	501
35.0	396	467	440	480
40.0	356	443	404	456
45.0	315	416	365	430
50.0	274	387	324	402
55.0	231	357	281	373
60.0	182	325	239	342
65.0	143	293	193	309
70.0	101	261	150	278
75.0	62.9	230	107	246
80.0	32.6	198	67.8	216
85.0	14.8	169	35.3	184
90.0	11.0	143	13.0	157
95.0	9.95	119	7.41	132
100.0	9.10	98.2	6.88	110
105.0	8.46	79.5	6.45	90.0
110.0	7.83	59.0	6.03	72.6
115.0	7.30	46.0	5.82	54.7
120.0	6.88	34.9	5.50	42.3
125.0	6.45	25.1	5.29	31.6
130.0	6.14	16.8	4.97	22.1
135.0	5.82	9.74	4.87	14.1
140.0	5.50	4.87	4.65	8.04
145.0	5.29	4.65	4.55	7.19
150.0	4.97	4.44	4.44	6.67
155.0	5.08	4.34	4.44	6.24
160.0	5.08	4.23	4.44	5.92
165.0	5.08	4.12	4.65	5.71
170.0	4.97	4.12	4.76	5.61
175.0	4.97	4.23	4.87	5.50
180.0	4.97	4.23	5.18	5.29

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