

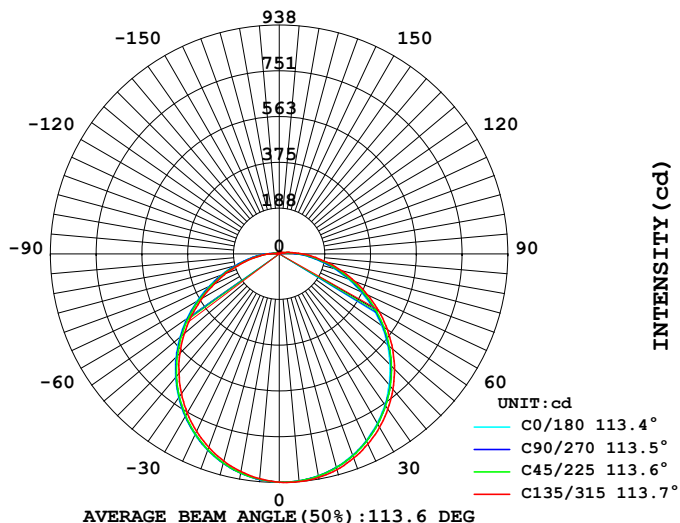
LUMINAIRE PHOTOMETRIC TEST REPORT

Report number:

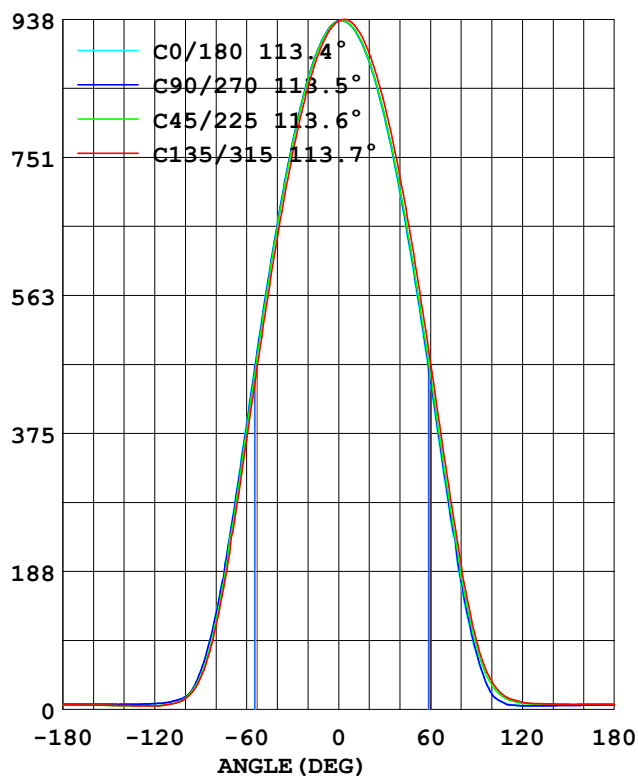
MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Ida	TYPE: IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION: 2835LED-2700K-110D	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax(cd)	938.3	S/MH (C0/180)	1.23
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.23
NOMINAL POWER(W)	26	TOTAL FLUX(lm)	2874.7	Voltage(V)	231.3
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	114.9	Current(A)	0.132
NOMINAL FLUX(lm)	2874.8	η up (%)	3.1	Power(W)	25.01
LAMPS QUANTITY	1	η down (%)	96.9	Power Factor (PF)	0.818
TEST VOLTAGE (V)	231.4	Effective Flux(lm)	0.0	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION



LUMINOUS INTENSITY DISTRIBUTION



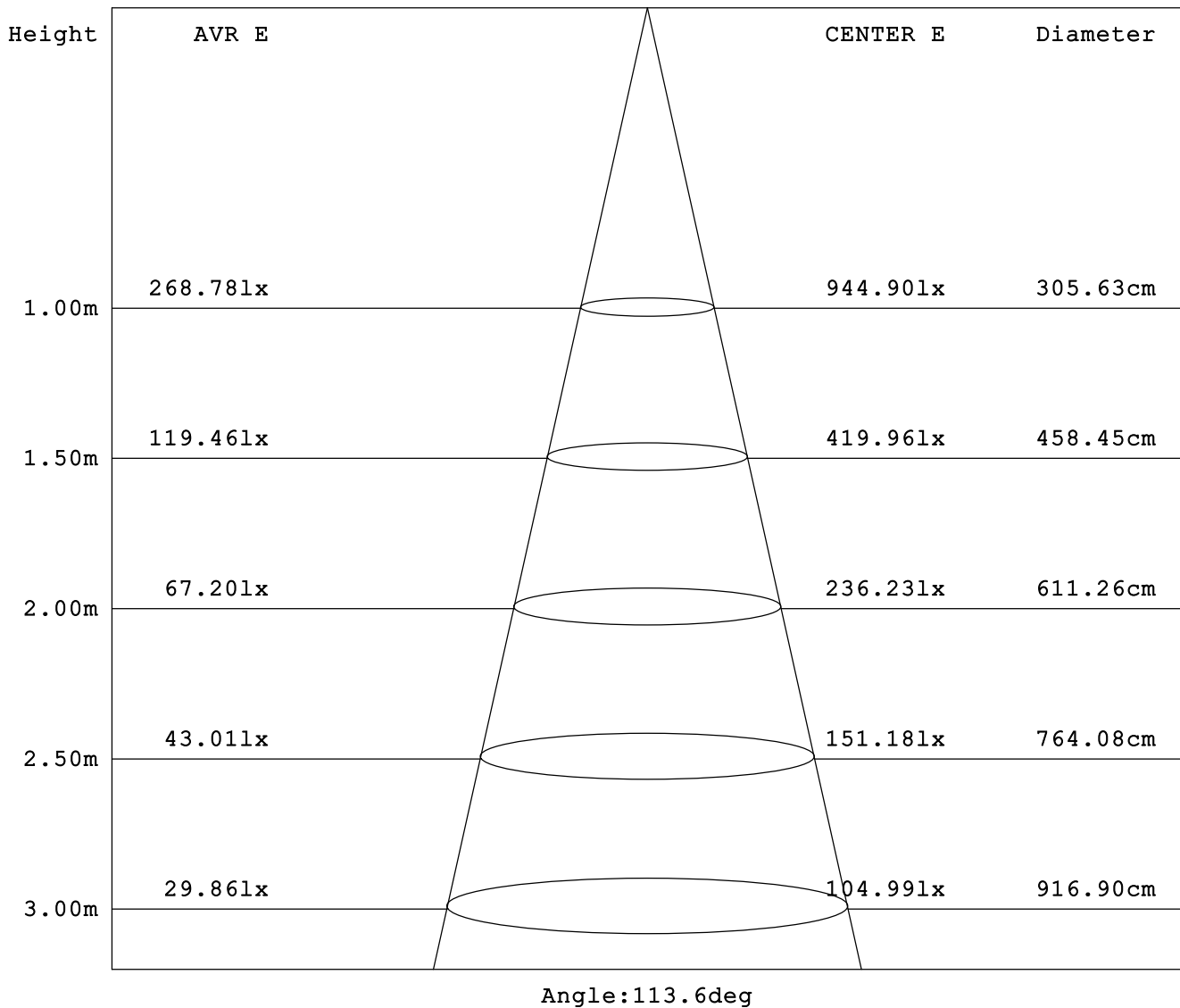
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025-07-30

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: Ida	TYPE: IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION: 2835LED-2700K-110D	DIMENSION:	SERIAL No.:



Test System:
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-30

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

ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Ida	TYPE: IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION: 2835LED-2700K-110D	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	929.2	928.4	929.0	925.5	934.6	935.0	934.8	937.9	0- 5	22.33	22.33
10.0	913.4	912.2	913.0	906.9	924.4	925.6	925.1	931.2	5- 10	66.21	88.54
15.0	889.2	887.8	888.6	879.9	906.1	907.6	907.2	915.9	10- 15	107.7	196.3
20.0	857.8	855.1	856.7	844.9	879.2	881.5	881.1	892.1	15- 20	145.5	341.9
25.0	818.2	815.5	816.5	803.6	844.8	848.5	847.1	861.2	20- 25	178.3	520.2
30.0	771.5	768.1	769.4	754.7	804.0	807.7	807.1	822.4	25- 30	205.0	725.2
35.0	720.1	714.1	717.4	699.8	755.9	760.6	759.6	776.7	30- 35	224.7	950.0
40.0	661.7	655.8	658.4	640.9	702.3	709.0	707.4	726.0	35- 40	237.0	1187
45.0	598.4	591.3	594.5	576.1	643.0	651.3	648.9	668.8	40- 45	241.4	1428
50.0	532.7	522.9	528.3	507.7	579.7	588.8	585.7	606.5	45- 50	238.0	1667
55.0	462.4	453.0	457.2	438.3	513.6	524.2	520.1	541.7	50- 55	227.2	1894
60.0	390.2	379.7	384.8	366.1	443.6	454.9	450.0	472.1	55- 60	209.3	2103
65.0	319.9	307.0	314.9	294.8	371.8	384.1	378.4	400.7	60- 65	185.7	2289
70.0	250.7	239.4	247.0	233.9	302.4	315.3	308.8	330.9	65- 70	157.8	2447
75.0	178.5	173.0	179.8	164.8	234.8	247.9	241.0	262.1	70- 75	127.5	2574
80.0	131.6	118.7	129.5	112.7	168.9	179.5	174.6	198.6	75- 80	97.17	2671
85.0	86.40	76.25	85.45	72.08	117.6	130.4	122.0	140.7	80- 85	68.98	2740
90.0	51.62	45.61	51.75	42.95	74.90	86.03	77.52	93.96	85- 90	45.82	2786
95.0	28.23	26.84	29.08	24.80	43.49	53.69	43.72	60.09	90- 95	28.11	2814
100.0	17.63	15.57	17.35	14.61	22.19	33.63	21.26	38.71	95-100	16.25	2831
105.0	12.98	9.681	12.83	9.578	11.79	20.86	12.03	24.29	100-105	9.589	2840
110.0	10.40	7.286	10.43	7.360	7.827	14.07	6.719	16.43	105-110	6.279	2847
115.0	8.422	5.489	8.625	5.545	5.845	10.77	5.716	12.70	110-115	4.482	2851
120.0	8.025	4.990	8.123	5.041	5.350	8.284	5.115	9.880	115-120	3.551	2855
125.0	7.629	4.990	7.622	5.041	5.350	7.785	5.115	8.469	120-125	3.068	2858
130.0	7.431	5.090	7.321	5.041	5.449	7.585	5.115	8.065	125-130	2.800	2860
135.0	7.233	5.090	7.120	5.142	5.647	7.386	5.215	7.662	130-135	2.564	2863
140.0	7.035	5.090	7.020	5.343	5.746	7.186	5.215	7.460	135-140	2.328	2865
145.0	7.035	5.290	7.020	5.545	5.945	7.086	5.315	7.259	140-145	2.097	2867
150.0	7.035	5.489	7.020	5.746	6.044	6.986	5.415	7.057	145-150	1.860	2869
155.0	7.134	5.789	7.120	5.948	6.242	6.986	5.616	6.956	150-155	1.619	2871
160.0	7.134	5.888	7.120	5.847	6.341	7.086	5.716	7.057	155-160	1.362	2872
165.0	7.233	5.988	7.221	6.049	6.440	7.086	5.917	7.057	160-165	1.082	2873
170.0	7.233	6.088	7.221	6.150	6.539	7.086	6.117	7.057	165-170	0.790	2874
175.0	7.134	6.188	7.221	6.150	6.737	7.086	6.218	7.057	170-175	0.481	2875
180.0	7.035	6.288	7.120	6.251	7.035	6.986	6.519	7.057	175-180	0.162	2875
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

Test System:
Temperature:25.3DEG
Operators:
Test Date:2025-07-30

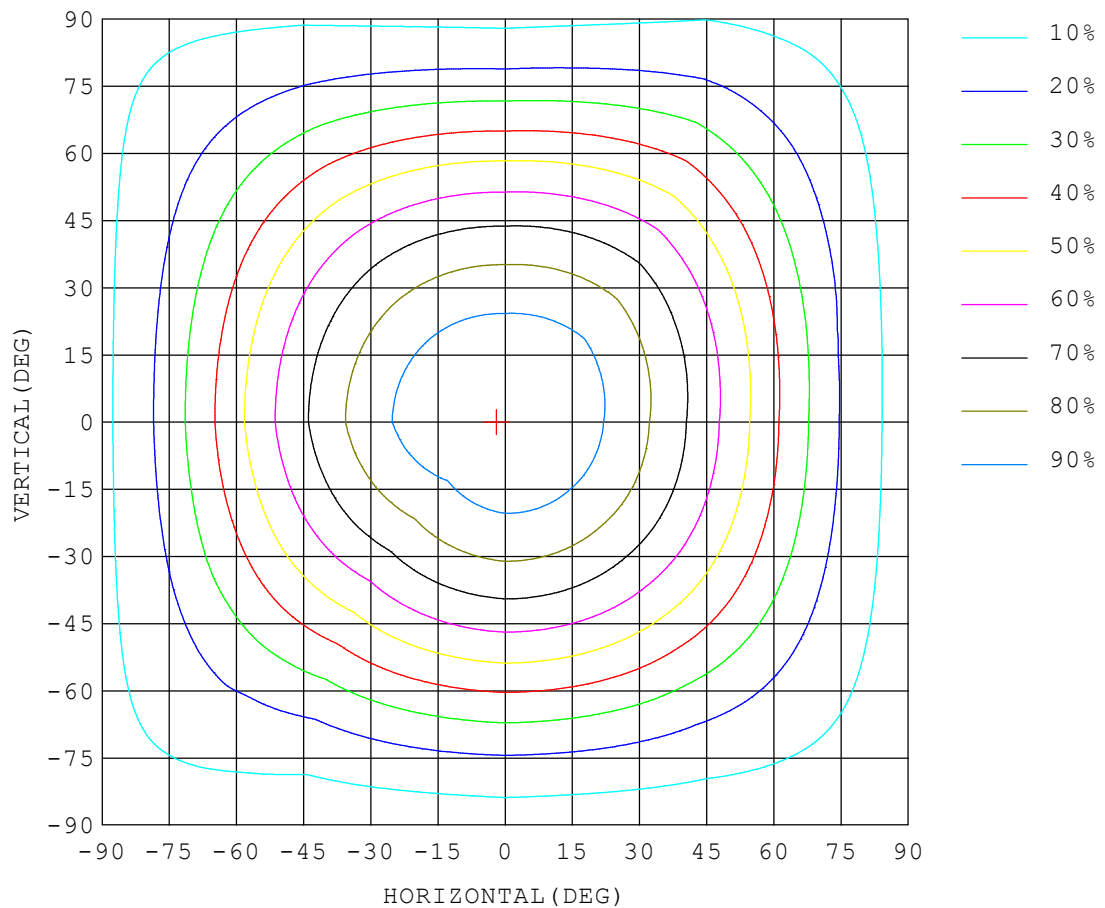
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Ida	TYPE: IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION: 2835LED-2700K-110D	DIMENSION:	SERIAL No.:

UNIT: cd



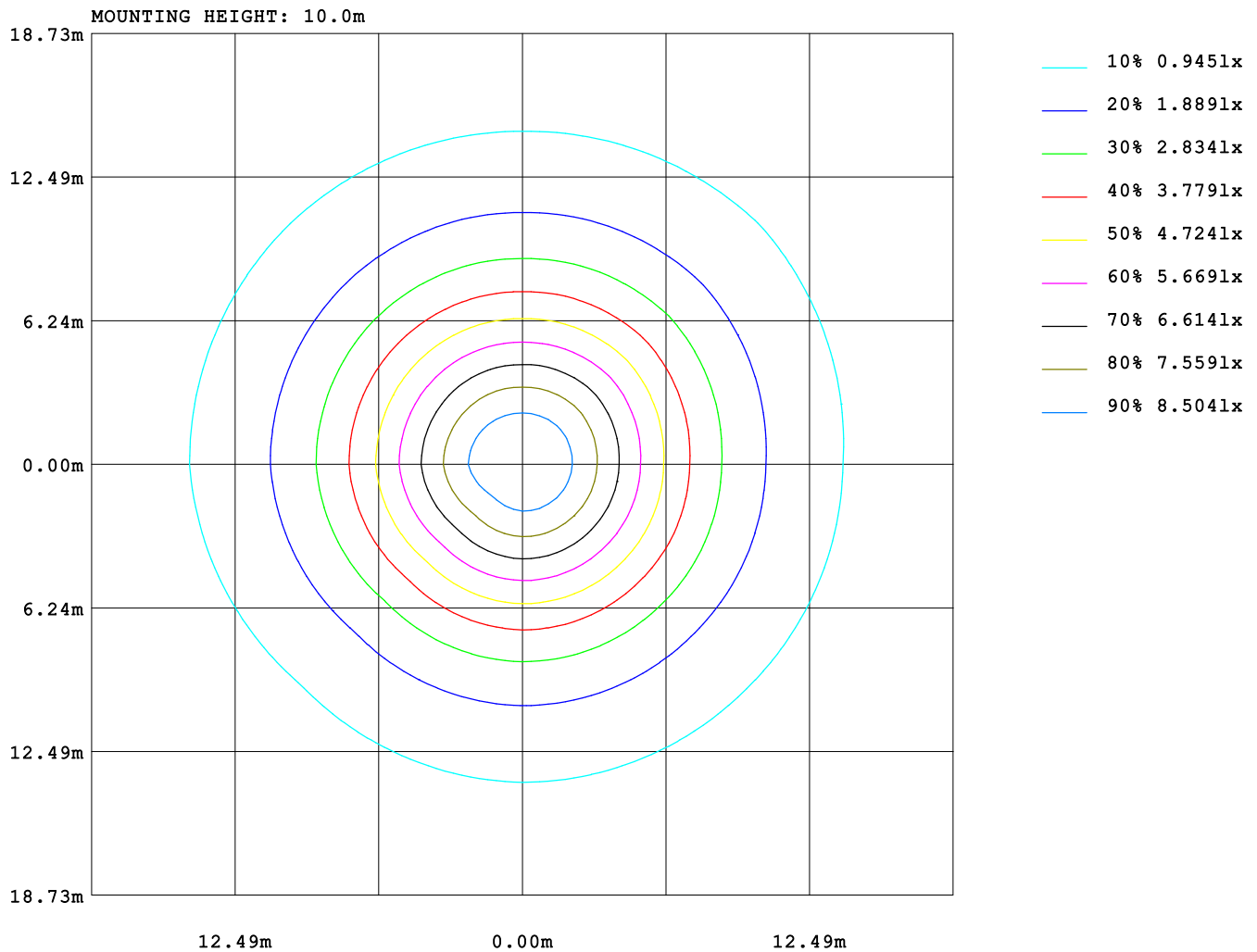
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025-07-30

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

ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Ida	TYPE: IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION: 2835LED-2700K-110D	DIMENSION:	SERIAL No.:



Test System:
Temperature: 25.3DEG
Operators:
Test Date: 2025-07-30

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

Uncorrected UGR Table

Report number:

MANUFACTURER: ILUMEN GMBH	Address:			
NAME: Ida	TYPE: IL-CL18-N0253C-110		WEIGHT:	
SPECIFICATION: 2835LED-2700K-110D	DIMENSION:		SERIAL No.:	

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	22.1	23.6	22.4	23.8	24.1	22.0	23.5	22.3	23.7	24.0
3H	23.6	25.0	24.0	25.3	25.6	23.5	24.9	23.8	25.2	25.5
4H	24.3	25.6	24.6	25.9	26.2	24.2	25.5	24.5	25.8	26.1
6H	24.9	26.1	25.3	26.5	26.8	24.8	26.0	25.1	26.3	26.7
8H	25.2	26.4	25.6	26.7	27.1	25.0	26.2	25.4	26.6	26.9
12H	25.5	26.6	25.9	27.0	27.3	25.3	26.5	25.7	26.8	27.2
4H 2H	22.6	23.9	23.0	24.3	24.6	22.5	23.9	22.9	24.2	24.5
3H	24.4	25.5	24.8	25.9	26.2	24.3	25.4	24.7	25.8	26.2
4H	25.2	26.2	25.6	26.6	27.0	25.1	26.1	25.5	26.5	26.9
6H	25.9	26.9	26.4	27.3	27.7	25.8	26.8	26.3	27.2	27.6
8H	26.3	27.2	26.7	27.6	28.1	26.2	27.1	26.6	27.5	27.9
12H	26.7	27.5	27.1	27.9	28.4	26.5	27.4	27.0	27.8	28.3
8H 4H	25.4	26.3	25.9	26.7	27.2	25.3	26.2	25.8	26.7	27.1
6H	26.4	27.1	26.9	27.6	28.1	26.3	27.0	26.8	27.5	28.0
8H	26.9	27.5	27.4	28.0	28.5	26.8	27.4	27.3	27.9	28.4
12H	27.4	28.0	27.9	28.5	29.0	27.3	27.9	27.8	28.4	28.9
12H 4H	25.5	26.3	25.9	26.7	27.2	25.4	26.2	25.9	26.6	27.1
6H	26.5	27.1	27.0	27.6	28.1	26.4	27.0	26.9	27.5	28.0
8H	27.0	27.6	27.6	28.1	28.7	26.9	27.5	27.5	28.0	28.6

Variations with the observer position at spacings:

S = 1.0H	+ 0.2 / - 0.2	+ 0.1 / - 0.2
1.5H	+ 0.2 / - 0.3	+ 0.2 / - 0.3
2.0H	+ 0.1 / - 0.2	+ 0.1 / - 0.3

CIE Pub.117 Corrected 2875 lm Total Lamp Luminous Flux. (8log(F/F0) = 3.7)

Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025-07-30

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

LUMINOUS DISTRIBUTION INTENSITY DATA

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Ida	TYPE:IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION:2835LED-2700K-110D	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	936	936	936	936	936	936	936	936
5.0	929	928	929	926	935	935	935	938
10.0	913	912	913	907	924	926	925	931
15.0	889	888	889	880	906	908	907	916
20.0	858	855	857	845	879	882	881	892
25.0	818	816	817	804	845	849	847	861
30.0	772	768	769	755	804	808	807	822
35.0	720	714	717	700	756	761	760	777
40.0	662	656	658	641	702	709	707	726
45.0	598	591	595	576	643	651	649	669
50.0	533	523	528	508	580	589	586	607
55.0	462	453	457	438	514	524	520	542
60.0	390	380	385	366	444	455	450	472
65.0	320	307	315	295	372	384	378	401
70.0	251	239	247	234	302	315	309	331
75.0	179	173	180	165	235	248	241	262
80.0	132	119	130	113	169	180	175	199
85.0	86.4	76.2	85.4	72.0	118	130	122	141
90.0	51.6	45.6	51.7	42.9	74.9	86.0	77.5	93.9
95.0	28.2	26.8	29.0	24.8	43.4	53.6	43.7	60.0
100.0	17.6	15.5	17.3	14.6	22.1	33.6	21.2	38.7
105.0	12.9	9.68	12.8	9.57	11.7	20.8	12.0	24.2
110.0	10.4	7.28	10.4	7.36	7.82	14.0	6.71	16.4
115.0	8.42	5.48	8.62	5.54	5.84	10.7	5.71	12.7
120.0	8.02	4.99	8.12	5.04	5.35	8.28	5.11	9.88
125.0	7.62	4.99	7.62	5.04	5.35	7.78	5.11	8.46
130.0	7.43	5.09	7.32	5.04	5.44	7.58	5.11	8.06
135.0	7.23	5.09	7.12	5.14	5.64	7.38	5.21	7.66
140.0	7.03	5.09	7.02	5.34	5.74	7.18	5.21	7.46
145.0	7.03	5.29	7.02	5.54	5.94	7.08	5.31	7.25
150.0	7.03	5.48	7.02	5.74	6.04	6.98	5.41	7.05
155.0	7.13	5.78	7.12	5.94	6.24	6.98	5.61	6.95
160.0	7.13	5.88	7.12	5.84	6.34	7.08	5.71	7.05
165.0	7.23	5.98	7.22	6.04	6.44	7.08	5.91	7.05
170.0	7.23	6.08	7.22	6.15	6.53	7.08	6.11	7.05
175.0	7.13	6.18	7.22	6.15	6.73	7.08	6.21	7.05
180.0	7.03	6.28	7.12	6.25	7.03	6.98	6.51	7.05

Test System:
Temperature:25.3DEG
Operators:
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