

LUMINAIRE PHOTOMETRIC TEST REPORT

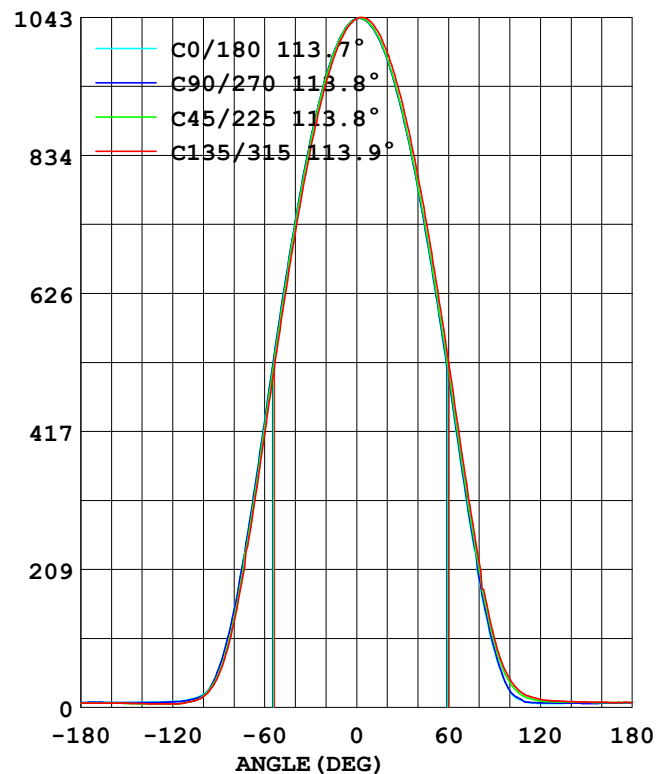
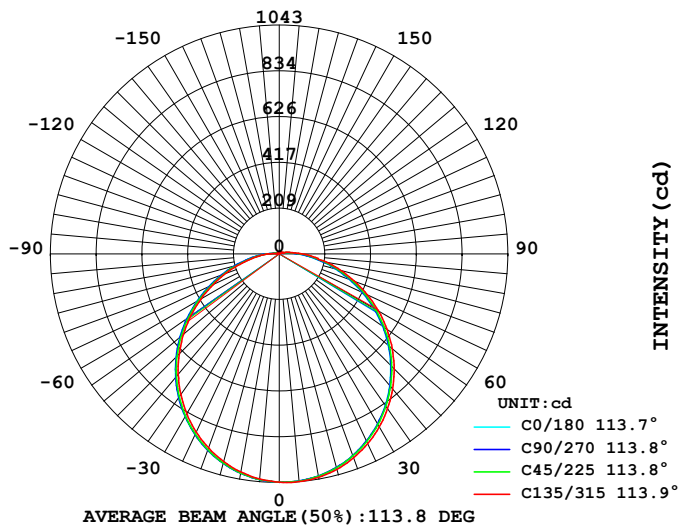
Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Ida	TYPE: IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION: 2835LED-4000K-110D	DIMENSION:	SERIAL No.:

DATA OF LAMP		Imax (cd)	1043	S/MH (C0/180)	1.23
MODEL		EFFICIENCY (%)	100.0	S/MH (C90/270)	1.23
NOMINAL POWER (W)	26	TOTAL FLUX (lm)	3208.1	Voltage (V)	231.3
RATED VOLTAGE (V)	232	EFFICIENCY (lm/W)	124.5	Current (A)	0.135
NOMINAL FLUX (lm)	3208.2	η up (%)	3.1	Power (W)	25.76
LAMPS QUANTITY	1	η down (%)	96.9	Power Factor (PF)	0.820
TEST VOLTAGE (V)	231.4	Effective Flux (lm)	0.0	EEI	0.000

LUMINOUS INTENSITY DISTRIBUTION

LUMINOUS INTENSITY DISTRIBUTION



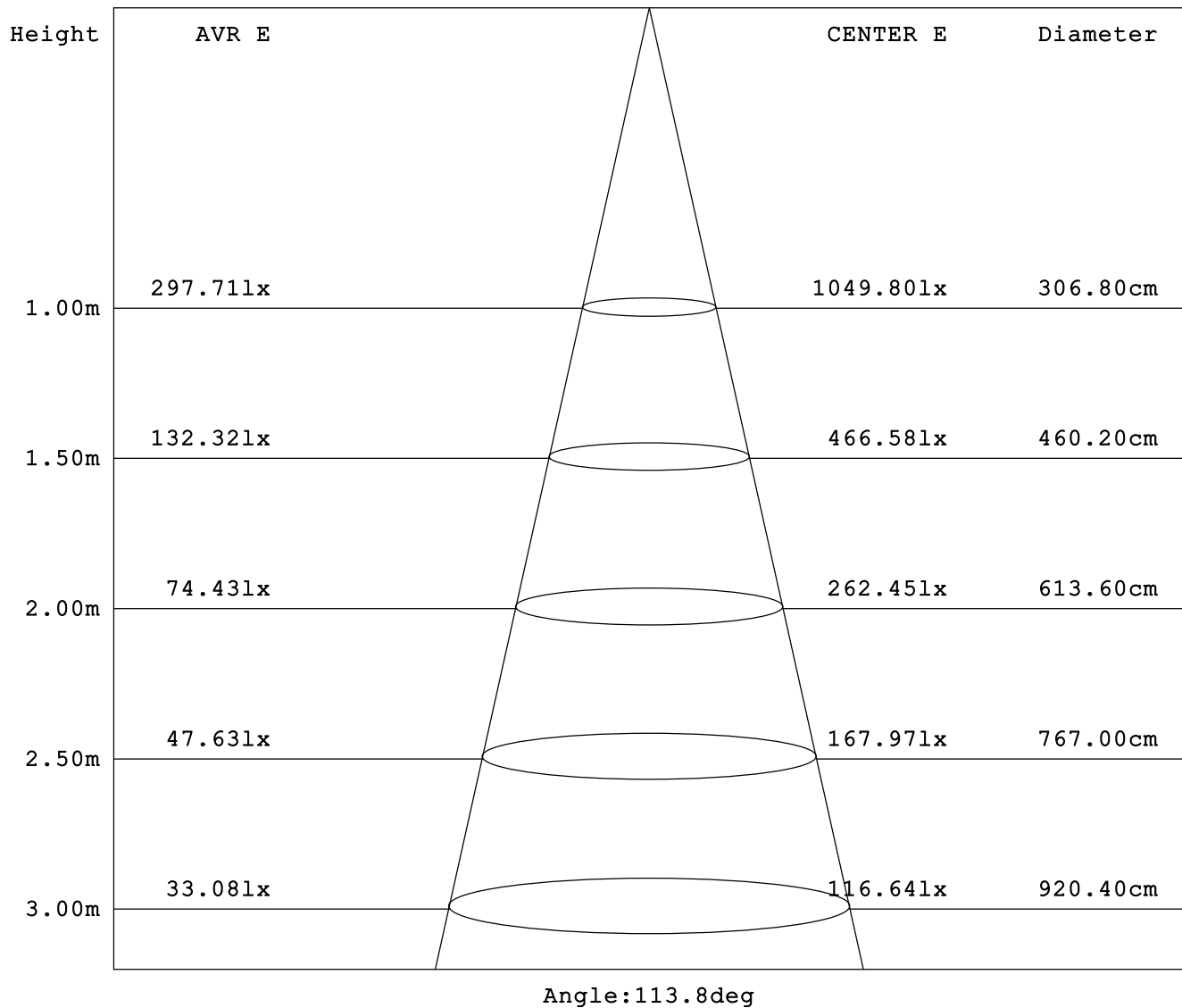
Test System:
Temperature: 25.3 DEG
Operators:
Test Date: 2025-07-30

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-4000K-110D	DIMENSION:	SERIAL No.:



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ZONAL FLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Ida	TYPE: IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION: 2835LED-4000K-110D	DIMENSION:	SERIAL No.:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Zone	total
5.0	1033	1032	1033	1030	1040	1040	1039	1042	0- 5	24.83	24.83
10.0	1015	1015	1016	1010	1029	1030	1028	1035	5- 10	73.62	98.45
15.0	987.9	987.3	988.6	980.3	1009	1010	1008	1017	10- 15	119.8	218.3
20.0	952.7	951.0	953.5	942.1	979.6	980.8	979.2	990.0	15- 20	161.9	380.2
25.0	908.5	907.4	909.2	896.9	941.6	944.4	941.3	955.3	20- 25	198.4	578.6
30.0	857.5	854.8	857.2	843.0	896.8	899.2	897.0	911.9	25- 30	228.1	806.7
35.0	800.0	795.1	799.6	782.4	843.7	847.1	844.3	861.0	30- 35	250.1	1057
40.0	735.5	730.6	734.3	717.3	785.1	789.9	786.6	804.9	35- 40	263.9	1321
45.0	665.2	659.1	664.1	645.6	719.4	725.8	721.5	741.3	40- 45	269.0	1590
50.0	592.3	583.2	590.5	569.7	648.9	656.5	651.6	672.3	45- 50	265.3	1855
55.0	514.1	505.7	511.5	492.6	575.7	584.5	578.9	600.3	50- 55	253.4	2109
60.0	433.8	424.4	430.9	412.1	497.4	507.4	501.2	523.1	55- 60	233.6	2342
65.0	355.6	343.4	352.9	332.4	417.7	428.6	421.5	443.8	60- 65	207.3	2550
70.0	278.8	268.4	276.8	258.7	340.0	351.9	344.3	366.1	65- 70	176.3	2726
75.0	209.0	195.0	207.7	187.2	264.5	276.7	269.5	289.9	70- 75	143.0	2869
80.0	146.8	134.3	145.8	128.1	191.1	208.4	196.3	219.6	75- 80	109.3	2979
85.0	96.47	86.52	96.17	82.02	133.6	146.8	137.9	156.1	80- 85	77.54	3056
90.0	57.80	51.89	58.16	48.77	85.27	97.30	88.55	104.3	85- 90	51.67	3108
95.0	31.92	30.44	32.39	28.11	49.67	61.07	50.84	66.81	90- 95	31.80	3140
100.0	20.02	17.46	18.65	16.32	25.58	38.32	25.47	43.43	95-100	18.42	3158
105.0	14.57	10.67	13.63	10.48	13.68	23.95	15.04	27.91	100-105	10.89	3169
110.0	11.89	7.984	11.03	8.061	8.824	16.26	8.524	19.54	105-110	7.156	3176
115.0	9.618	5.888	9.125	5.945	6.742	12.37	7.621	15.41	110-115	5.146	3181
120.0	9.122	5.289	8.524	5.542	6.048	9.780	6.919	12.19	115-120	4.091	3185
125.0	8.725	5.389	8.022	5.542	6.048	8.982	6.819	10.68	120-125	3.550	3189
130.0	8.428	5.389	7.721	5.542	6.147	8.682	6.719	9.976	125-130	3.227	3192
135.0	8.230	5.489	7.521	5.643	6.246	8.383	6.518	9.472	130-135	2.929	3195
140.0	7.932	5.588	7.421	5.945	6.445	8.183	6.317	8.968	135-140	2.641	3198
145.0	7.734	5.888	7.421	6.046	6.544	7.984	6.317	8.565	140-145	2.360	3200
150.0	7.635	6.187	7.521	6.348	6.643	7.884	6.217	8.263	145-150	2.081	3202
155.0	7.635	6.487	7.621	6.550	6.841	7.684	6.217	7.860	150-155	1.797	3204
160.0	7.734	6.587	7.621	6.348	6.940	7.684	6.317	7.759	155-160	1.492	3205
165.0	7.833	6.587	7.721	6.550	7.040	7.684	6.418	7.658	160-165	1.180	3207
170.0	7.833	6.686	7.721	6.650	7.238	7.684	6.618	7.658	165-170	0.859	3207
175.0	7.833	6.786	7.822	6.751	7.436	7.684	6.819	7.759	170-175	0.523	3208
180.0	7.734	6.886	7.721	6.852	7.734	7.585	7.019	7.658	175-180	0.176	3208
DEG	LUMINOUS INTENSITY:cd									UNIT:lm	

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

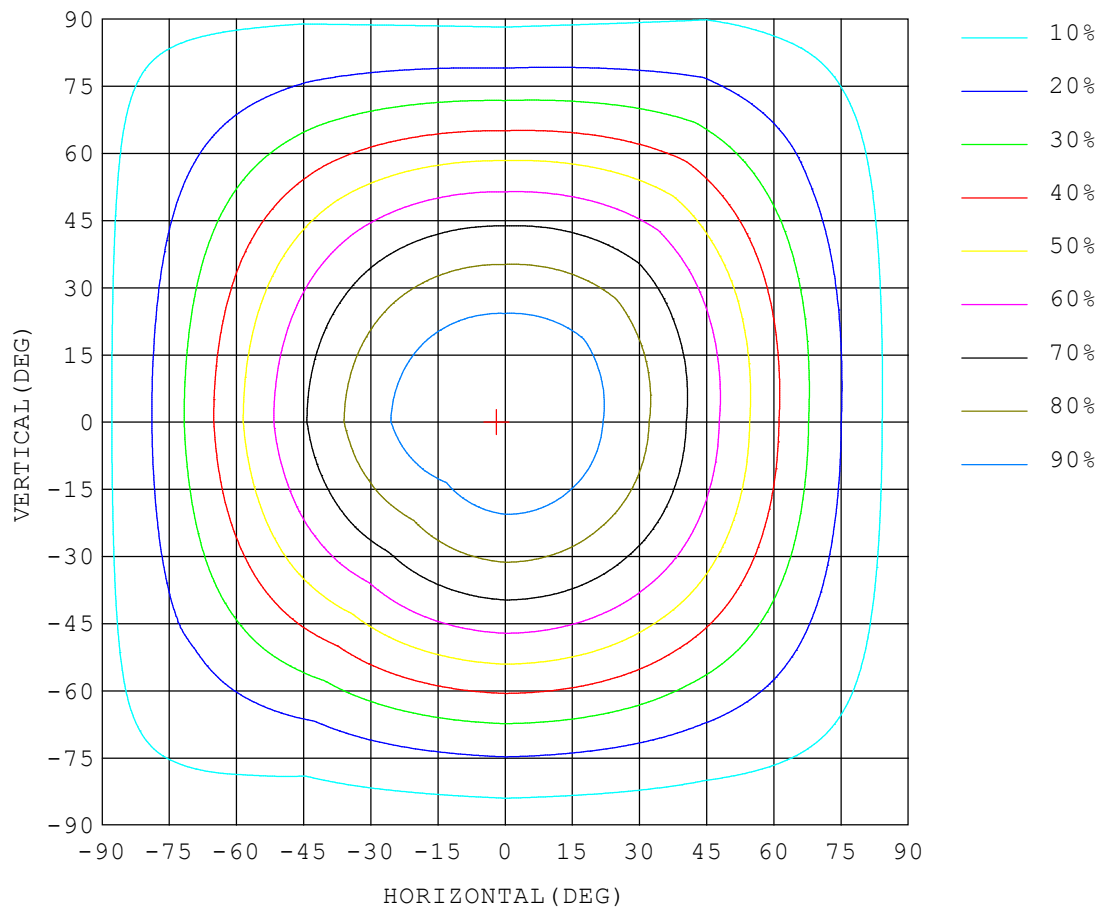
Test Set: 5.0deg/s C-Gamma (TYPE C)
Humidity:65.0%
Test Distance:10.000 m
Remarks:

ISOCANDELA DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Ida	TYPE: IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION: 2835LED-4000K-110D	DIMENSION:	SERIAL No.:

UNIT: cd



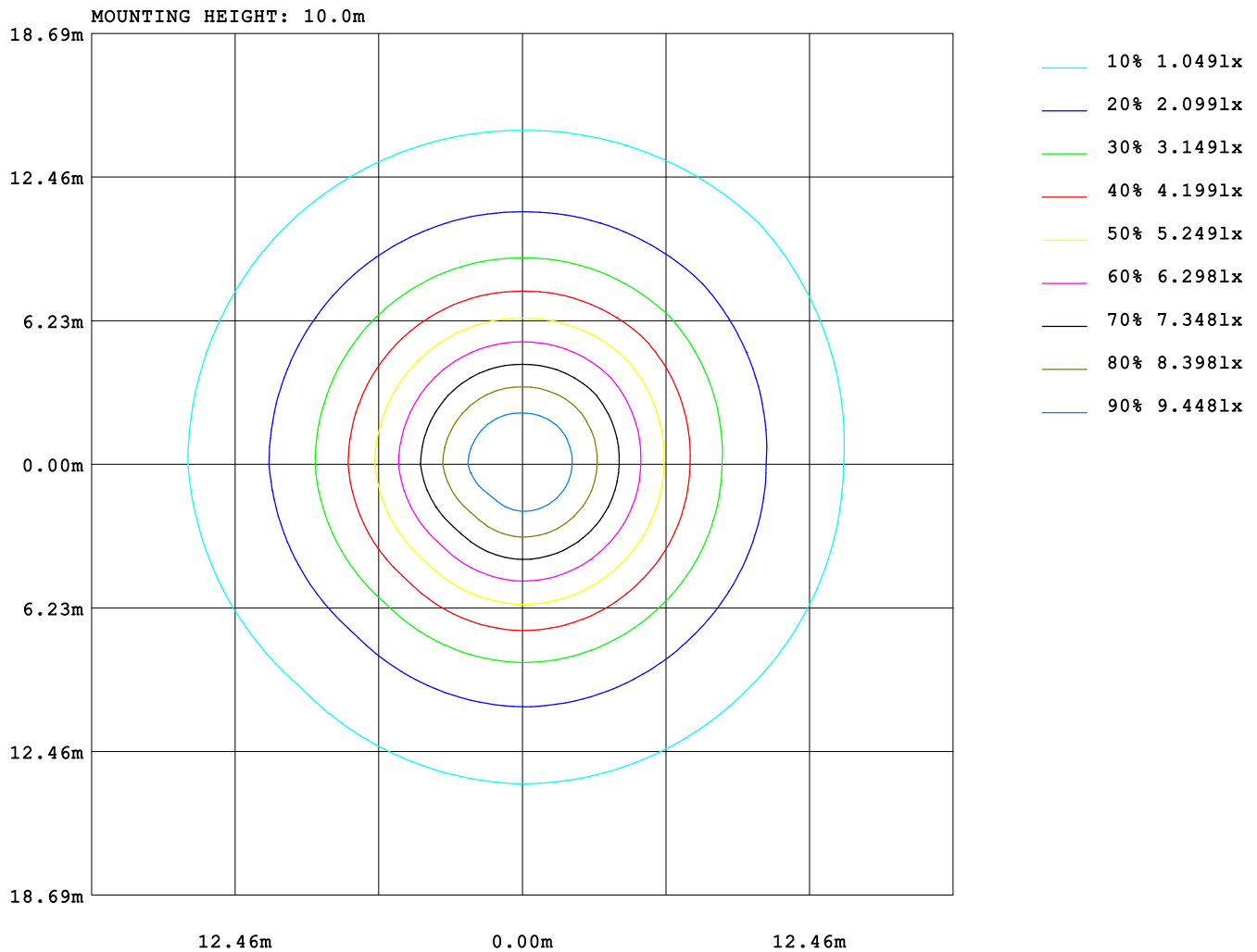
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Temperature: 25.3 DEG
Operators:
Test Date: 2025-07-30

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Remarks:

ISOLUX DIAGRAM

Report number:

MANUFACTURER: ILUMEN GMBH	Address:	
NAME: Ida	TYPE: IL-CL18-N0253C-110	WEIGHT:
SPECIFICATION: 2835LED-4000K-110D	DIMENSION:	SERIAL No.:



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

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

Uncorrected UGR Table

Report number:

MANUFACTURER: ILUMEN GMBH	Address:				
NAME: Ida	TYPE: IL-CL18-N0253C-110			WEIGHT:	
SPECIFICATION: 2835LED-4000K-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	22.4	23.9	22.7	24.2	24.5	22.4	23.9	22.7	24.1	24.4
3H	24.0	25.4	24.3	25.7	26.0	23.9	25.3	24.2	25.6	25.9
4H	24.7	26.0	25.0	26.3	26.6	24.6	25.9	24.9	26.2	26.5
6H	25.3	26.5	25.6	26.8	27.2	25.2	26.4	25.6	26.8	27.1
8H	25.5	26.8	25.9	27.1	27.5	25.5	26.7	25.8	27.0	27.4
12H	25.8	27.0	26.2	27.4	27.7	25.7	26.9	26.1	27.3	27.6
4H 2H	23.0	24.3	23.3	24.6	24.9	22.9	24.3	23.3	24.6	24.9
3H	24.7	25.9	25.1	26.3	26.6	24.7	25.8	25.1	26.2	26.6
4H	25.6	26.6	26.0	27.0	27.4	25.5	26.6	25.9	26.9	27.3
6H	26.3	27.3	26.8	27.7	28.1	26.2	27.2	26.7	27.6	28.0
8H	26.7	27.6	27.1	28.0	28.4	26.6	27.5	27.1	27.9	28.4
12H	27.1	27.9	27.5	28.3	28.8	27.0	27.8	27.5	28.2	28.7
8H 4H	25.8	26.7	26.3	27.2	27.6	25.8	26.7	26.2	27.1	27.5
6H	26.8	27.5	27.3	28.0	28.5	26.7	27.5	27.2	27.9	28.4
8H	27.3	27.9	27.8	28.4	28.9	27.2	27.9	27.7	28.4	28.9
12H	27.8	28.4	28.3	28.9	29.4	27.7	28.3	28.3	28.8	29.4
12H 4H	25.9	26.7	26.3	27.1	27.6	25.8	26.6	26.3	27.1	27.5
6H	26.9	27.5	27.4	28.0	28.5	26.8	27.5	27.3	28.0	28.5
8H	27.4	28.0	28.0	28.5	29.1	27.4	27.9	27.9	28.5	29.0

Variations with the observer position at spacings:

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

CIE Pub.117 Corrected 3208 lm Total Lamp Luminous Flux. (8log(F/F0) = 4.1)

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-4000K-110D	DIMENSION:	SERIAL No.:

UNIT: cd

C (DEG) γ (DEG)	0	45	90	135	180	225	270	315
0.0	1041	1041	1041	1041	1041	1041	1041	1041
5.0	1033	1032	1033	1030	1040	1040	1039	1042
10.0	1015	1015	1016	1010	1029	1030	1028	1035
15.0	988	987	989	980	1009	1010	1008	1017
20.0	953	951	954	942	980	981	979	990
25.0	909	907	909	897	942	944	941	955
30.0	858	855	857	843	897	899	897	912
35.0	800	795	800	782	844	847	844	861
40.0	736	731	734	717	785	790	787	805
45.0	665	659	664	646	719	726	722	741
50.0	592	583	591	570	649	657	652	672
55.0	514	506	512	493	576	585	579	600
60.0	434	424	431	412	497	507	501	523
65.0	356	343	353	332	418	429	422	444
70.0	279	268	277	259	340	352	344	366
75.0	209	195	208	187	265	277	270	290
80.0	147	134	146	128	191	208	196	220
85.0	96.4	86.5	96.1	82.0	134	147	138	156
90.0	57.8	51.8	58.1	48.7	85.2	97.3	88.5	104
95.0	31.9	30.4	32.3	28.1	49.6	61.0	50.8	66.8
100.0	20.0	17.4	18.6	16.3	25.5	38.3	25.4	43.4
105.0	14.5	10.6	13.6	10.4	13.6	23.9	15.0	27.9
110.0	11.8	7.98	11.0	8.06	8.82	16.2	8.52	19.5
115.0	9.61	5.88	9.12	5.94	6.74	12.3	7.62	15.4
120.0	9.12	5.28	8.52	5.54	6.04	9.78	6.91	12.1
125.0	8.72	5.38	8.02	5.54	6.04	8.98	6.81	10.6
130.0	8.42	5.38	7.72	5.54	6.14	8.68	6.71	9.97
135.0	8.23	5.48	7.52	5.64	6.24	8.38	6.51	9.47
140.0	7.93	5.58	7.42	5.94	6.44	8.18	6.31	8.96
145.0	7.73	5.88	7.42	6.04	6.54	7.98	6.31	8.56
150.0	7.63	6.18	7.52	6.34	6.64	7.88	6.21	8.26
155.0	7.63	6.48	7.62	6.55	6.84	7.68	6.21	7.86
160.0	7.73	6.58	7.62	6.34	6.94	7.68	6.31	7.75
165.0	7.83	6.58	7.72	6.55	7.04	7.68	6.41	7.65
170.0	7.83	6.68	7.72	6.65	7.23	7.68	6.61	7.65
175.0	7.83	6.78	7.82	6.75	7.43	7.68	6.81	7.75
180.0	7.73	6.88	7.72	6.85	7.73	7.58	7.01	7.65

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: