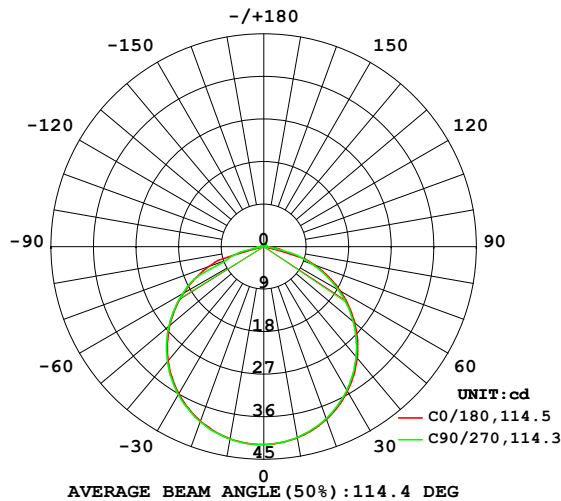


LUMINAIRE PHOTOMETRIC TEST REPORT

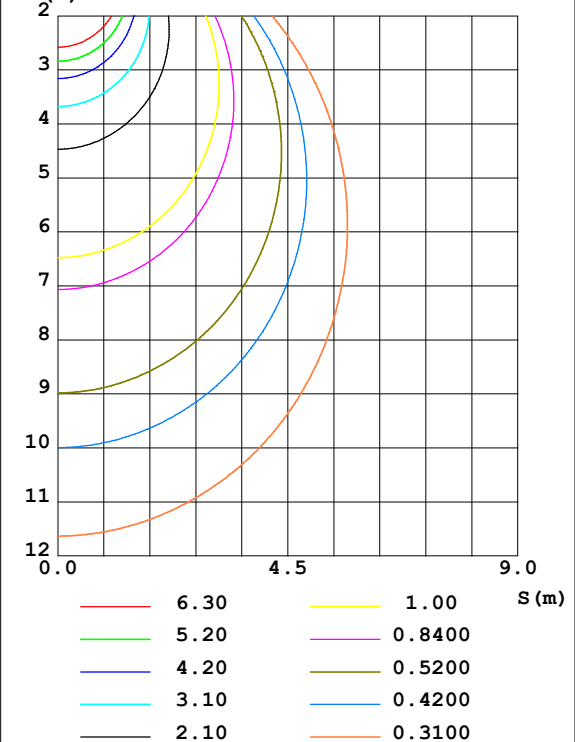
Test:U:12.081V I:0.2787A P:2.2406W PF:0.6654 Freq:59.98Hz Lamp Flux:122.597x1 lm		
NAME: LT2701PS	TYPE:	WEIGHT:
SPEC.:4Inch, 2W 2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 54.72 lm/W			
MODEL	LT2701PS	I _{max} (cd)	41.88	S/MH(C0/180)	1.28
NOMINAL POWER(W)	2	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	122.60	η UP,DN(C0-180)	1.0,48.0
NOMINAL FLUX(lm)	122.597	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.3,49.6
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	12	η down(%)	97.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: UNKNOWN
Test Date: 2025-10-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 8.600m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

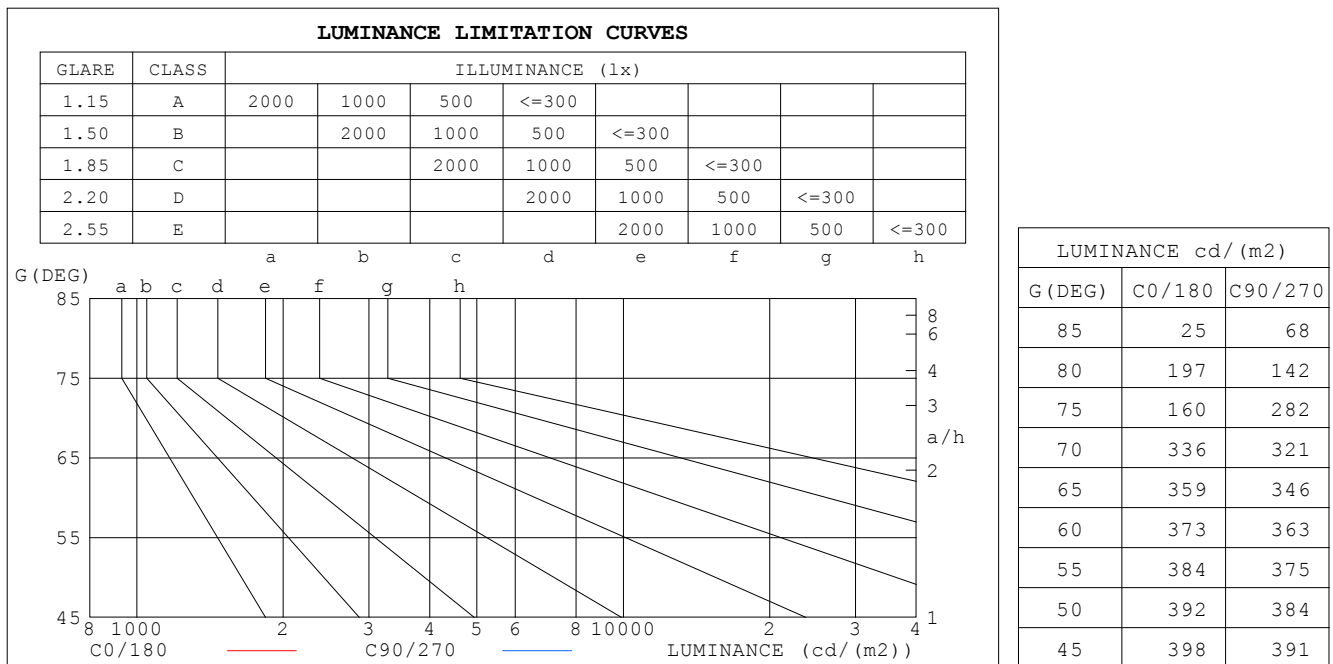
ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	41.04	41.02	40.96	41.08	41.26	41.32	41.33	41.24	0- 10	3.962	3.962	3.23,3.23
20	38.85	38.72	38.65	38.88	39.25	39.39	39.40	39.23	10- 20	11.37	15.33	12.5,12.5
30	35.36	35.19	35.13	35.42	35.96	36.14	36.16	35.88	20- 30	17.29	32.61	26.6,26.6
40	30.75	30.52	30.38	30.84	31.49	31.67	31.74	31.36	30- 40	20.96	53.58	43.7,43.7
50	25.11	24.83	24.68	25.21	25.99	26.21	26.24	25.82	40- 50	21.92	75.50	61.6,61.6
60	18.63	18.29	18.17	18.73	19.54	19.81	19.81	19.38	50- 60	19.99	95.49	77.9,77.9
70	11.47	11.09	10.97	11.53	12.41	12.66	8.591	12.21	60- 70	15.18	110.7	90.3,90.3
80	3.420	3.955	2.476	4.347	1.299	5.340	2.028	4.931	70- 80	7.451	118.1	96.3,96.3
90	0.2184	0.2295	0.2191	0.2265	0.5109	0.5300	0.5089	0.5309	80- 90	1.548	119.7	97.6,97.6
100	0.2819	0.2860	0.2827	0.2831	0.5109	0.5189	0.5088	0.5237	90-100	0.4150	120.1	97.9,97.9
110	0.3311	0.3495	0.3286	0.3397	0.5038	0.5048	0.4911	0.5025	100-110	0.4292	120.5	98.3,98.3
120	0.3946	0.4060	0.3993	0.4035	0.5003	0.5013	0.4912	0.4989	110-120	0.4283	120.9	98.6,98.6
130	0.4510	0.4625	0.4523	0.4636	0.5074	0.5083	0.4983	0.5095	120-130	0.4168	121.4	99,99
140	0.5109	0.5260	0.5089	0.5272	0.5286	0.5083	0.5266	0.5131	130-140	0.3855	121.7	99.3,99.3
150	0.5497	0.5754	0.5548	0.5839	0.5815	0.5542	0.5761	0.5520	140-150	0.3393	122.1	99.6,99.6
160	0.6236	0.6319	0.6219	0.6335	0.6308	0.6283	0.6360	0.6263	150-160	0.2760	122.4	99.8,99.8
170	0.6588	0.6637	0.6679	0.6653	0.6625	0.6636	0.6679	0.6651	160-170	0.1813	122.5	99.9,99.9
180	0.6765	0.6778	0.6820	0.6794	0.6801	0.6743	0.6820	0.6794	170-180	0.0641	122.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:UNKNOWN
Test Date:2025-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

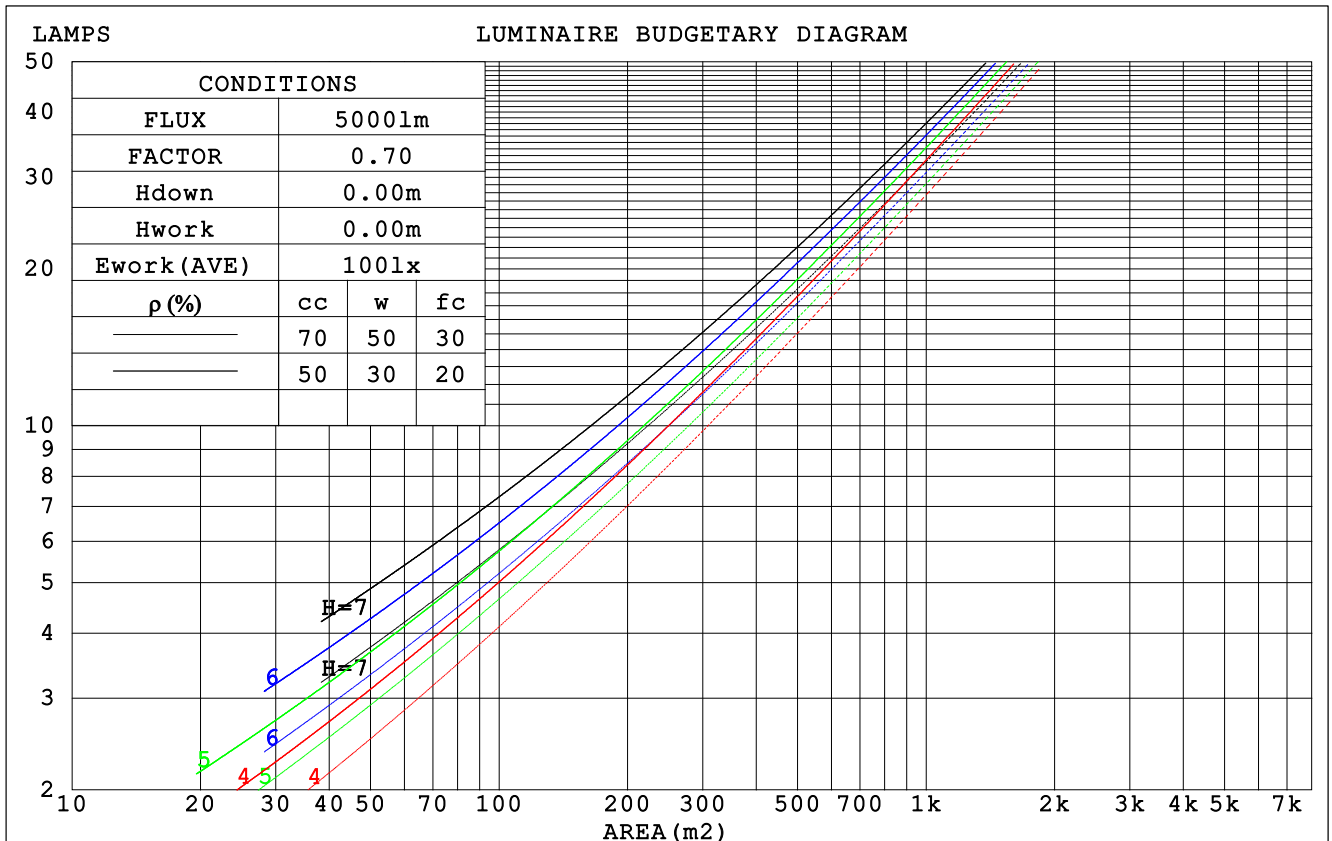


C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: UNKNOWN
Test Date: 2025-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 8.600m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.04	.00	.96	1.01	.98	.94	.97	.94	.91	.92	.90	.87	.88	.86	.84	.82
2.0	.90	.84	.78	.88	.82	.77	.84	.79	.75	.81	.77	.73	.77	.74	.71	.69
3.0	.79	.71	.65	.78	.70	.64	.74	.68	.63	.71	.66	.61	.68	.64	.60	.58
4.0	.70	.62	.55	.69	.61	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.63	.54	.47	.61	.53	.47	.59	.52	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.51	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.36	.47	.40	.35	.45	.39	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.36	.30	.26	.35	.30	.25	.24



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: UNKNOWN
Test Date: 2025-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 8.600m [K=1.0000]
Remarks:

WEC AND CCEC

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.300	.171	.054	.292	.167	.053	.278	.159	.051	.264	.153	.049	.252	.146	.047	
2.0	.286	.157	.048	.279	.154	.047	.266	.148	.046	.254	.143	.045	.243	.137	.043	
3.0	.266	.142	.042	.260	.139	.042	.248	.135	.041	.238	.130	.040	.228	.126	.039	
4.0	.246	.128	.038	.241	.126	.037	.231	.122	.037	.221	.119	.036	.212	.115	.035	
5.0	.228	.116	.034	.223	.115	.033	.214	.112	.033	.206	.109	.032	.198	.106	.032	
6.0	.212	.106	.030	.208	.105	.030	.200	.102	.030	.192	.100	.029	.185	.097	.029	
7.0	.198	.098	.028	.194	.096	.027	.186	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.185	.090	.025	.181	.089	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024	
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.153	.078	.022	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.149	.074	.021	.145	.073	.021	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.209	.209	.209	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.198	.175	.154	.169	.150	.132	.116	.103	.091	.067	.060	.053	.021	.019	.017	
2.0	.190	.150	.117	.163	.130	.101	.111	.090	.071	.064	.052	.041	.021	.017	.014	
3.0	.182	.133	.093	.156	.115	.081	.107	.080	.057	.062	.047	.034	.020	.015	.011	
4.0	.175	.120	.077	.150	.103	.067	.103	.072	.047	.060	.042	.028	.019	.014	.009	
5.0	.168	.109	.066	.144	.095	.058	.099	.066	.041	.057	.039	.024	.019	.013	.008	
6.0	.161	.101	.058	.138	.087	.051	.095	.061	.036	.055	.036	.021	.018	.012	.007	
7.0	.154	.094	.052	.132	.082	.046	.091	.057	.032	.053	.034	.019	.017	.011	.006	
8.0	.147	.088	.048	.127	.077	.042	.088	.054	.030	.051	.032	.018	.017	.010	.006	
9.0	.141	.083	.044	.122	.072	.039	.084	.051	.027	.049	.030	.016	.016	.010	.005	
10.0	.136	.079	.041	.117	.069	.036	.081	.048	.026	.047	.029	.015	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:UNKNOWN
 Test Date:2025-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity:65.0%
 Test Distance:8.600m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

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	16.7	18.2	17.0	18.4	18.7	16.6	18.1	16.9	18.3	18.6
3H	18.2	19.6	18.5	19.8	20.1	18.1	19.4	18.4	19.7	20.0
4H	18.6	19.9	18.9	20.2	20.5	18.6	19.9	18.9	20.2	20.5
6H	18.7	19.9	19.0	20.2	20.5	18.8	20.0	19.1	20.3	20.6
8H	18.7	19.9	19.1	20.2	20.6	18.8	19.9	19.1	20.3	20.6
12H	18.7	19.8	19.1	20.2	20.5	18.7	19.8	19.1	20.2	20.5
4H 2H	17.3	18.6	17.6	18.9	19.2	17.2	18.5	17.6	18.8	19.1
3H	19.0	20.1	19.3	20.4	20.8	18.8	20.0	19.2	20.3	20.6
4H	19.4	20.4	19.8	20.8	21.1	19.5	20.5	19.9	20.9	21.2
6H	19.6	20.5	20.0	20.9	21.3	19.7	20.6	20.2	21.0	21.4
8H	19.7	20.5	20.1	20.9	21.4	19.7	20.6	20.2	21.0	21.4
12H	19.6	20.4	20.1	20.8	21.3	19.7	20.5	20.2	20.9	21.4
8H 4H	19.6	20.4	20.0	20.8	21.2	19.7	20.5	20.1	20.9	21.4
6H	19.9	20.6	20.4	21.0	21.5	20.0	20.7	20.5	21.2	21.6
8H	20.1	20.7	20.6	21.1	21.6	20.1	20.7	20.6	21.2	21.7
12H	20.0	20.6	20.6	21.1	21.6	20.1	20.6	20.6	21.1	21.6
12H 4H	19.5	20.3	20.0	20.7	21.2	19.7	20.4	20.1	20.9	21.3
6H	19.9	20.5	20.4	21.0	21.5	20.0	20.7	20.5	21.1	21.6
8H	20.1	20.6	20.6	21.1	21.6	20.1	20.7	20.6	21.2	21.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.3 / - 0.5					+ 0.2 / - 0.3				
2.0H	+ 0.4 / - 0.7					+ 0.2 / - 0.4				

CIE Pub.117, 122.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -7.3)
Area: 0.1 m2

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:UNKNOWN
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

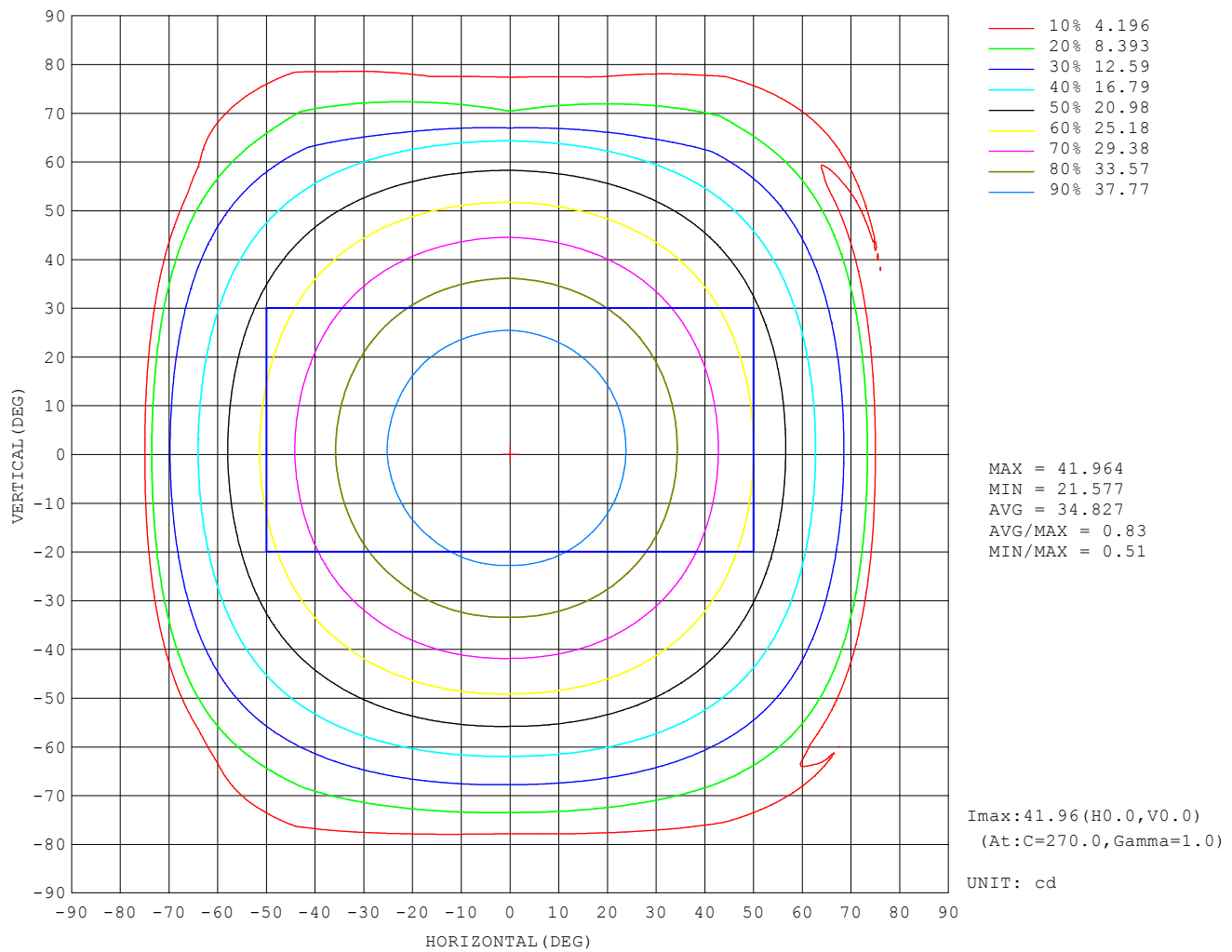
UTILIZATION FACTORS TABLE

REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	80	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	92	86	82	73
3.00	102	95	90	100	93	88	95	90	86	77
4.00	106	100	96	103	98	94	99	95	91	82
5.00	108	104	100	106	101	98	101	97	94	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: UNKNOWN
 Test Date: 2025-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
 Humidity: 65.0%
 Test Distance: 8.600m [K=1.0000]
 Remarks:

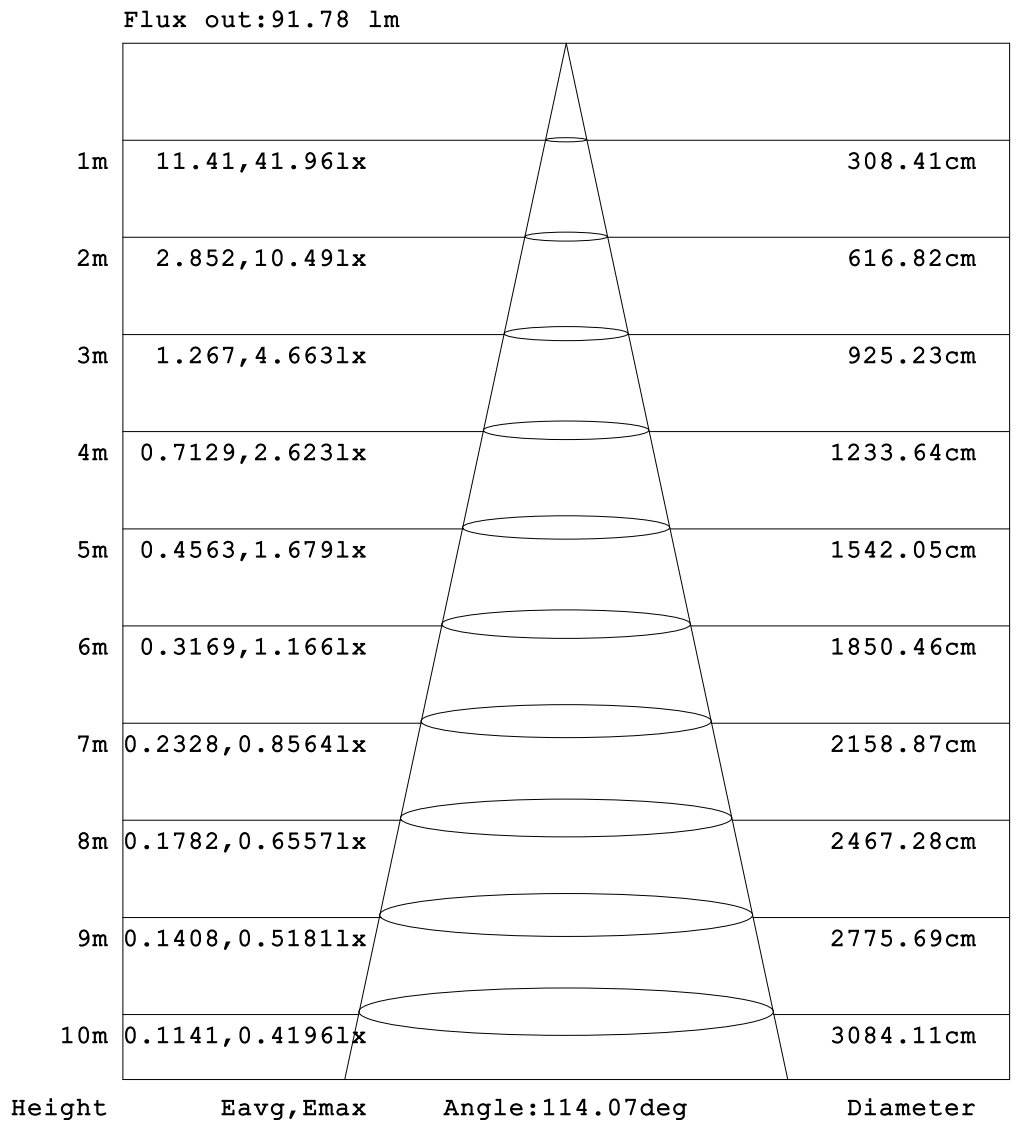
ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:UNKNOWN
Test Date:2025-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

AAI Figure

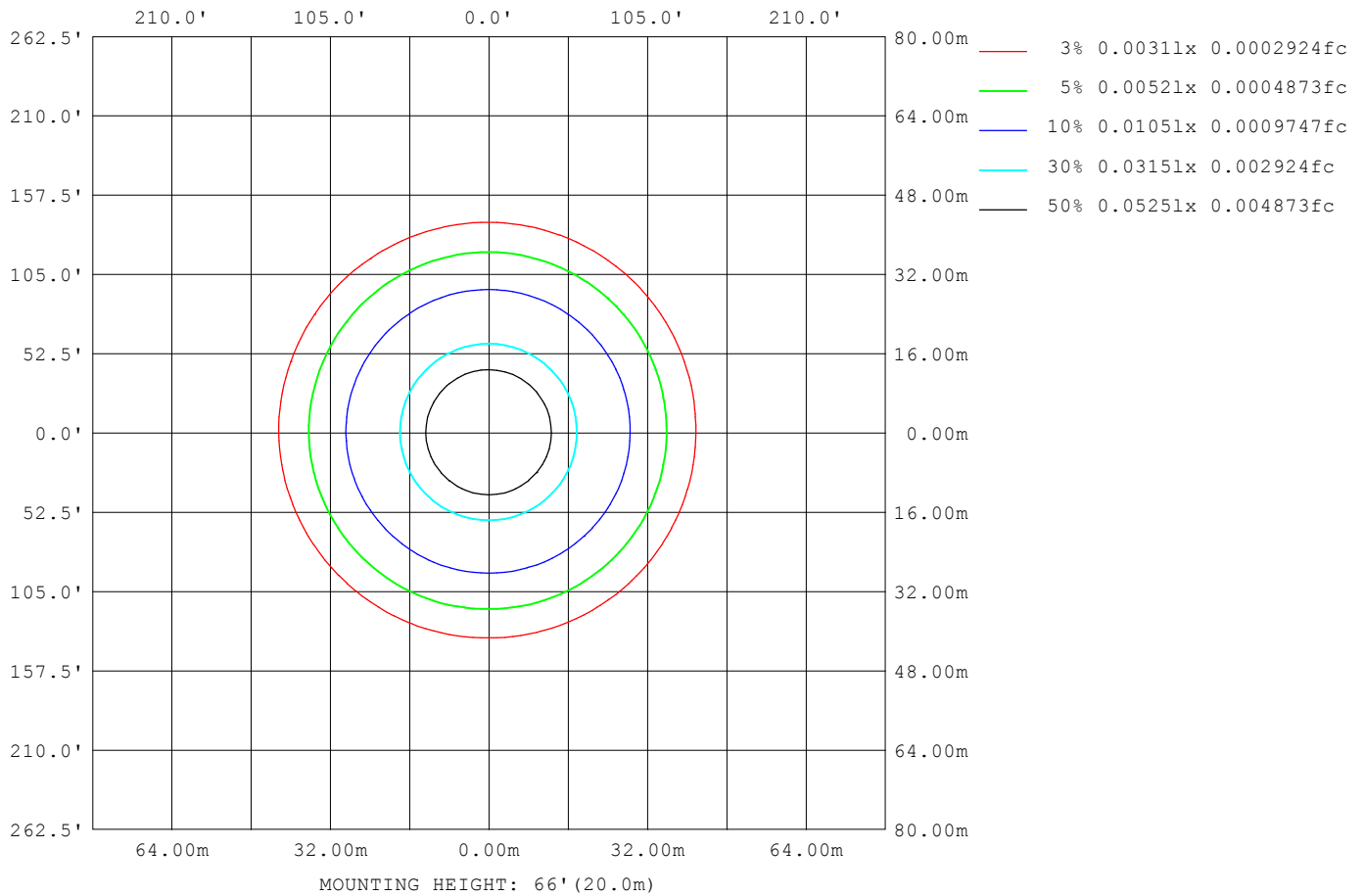


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: UNKNOWN
Test Date: 2025-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 8.600m [K=1.0000]
Remarks:

ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: UNKNOWN
Test Date: 2025-10-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 8.600m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:12.081V I:0.2787A P:2.2406W PF:0.6654 Freq:59.98Hz Lamp Flux:122.597x1 lm		
NAME: LT2701PS	TYPE:	WEIGHT:
SPEC.:4 Inch, 2W 2700K	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

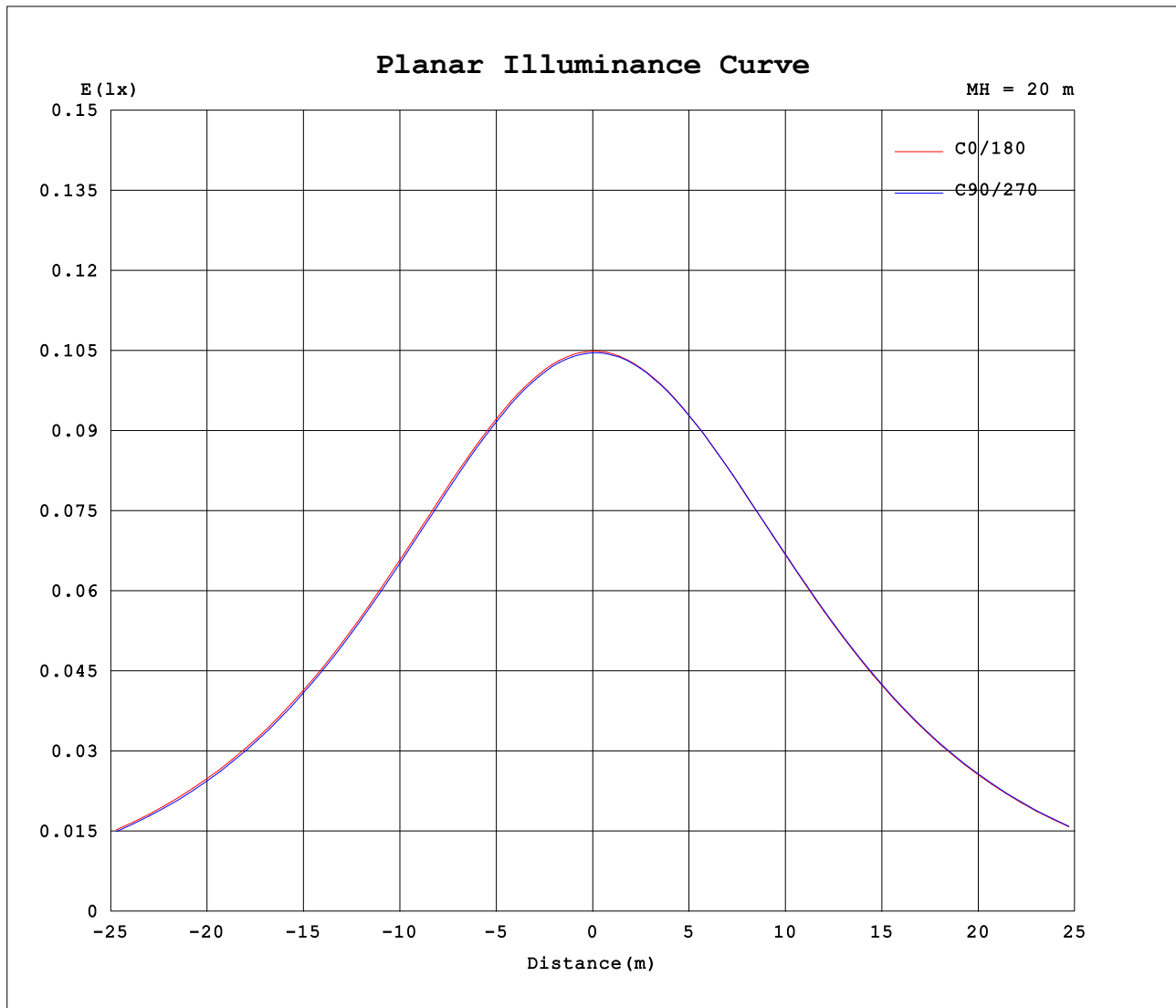
AvgL	cd/m2
L_0~180 (65) av	369
L_0~180 (75) av	156
L_0~180 (85) av	42
L_90~270 (65) av	365
L_90~270 (75) av	259
L_90~270 (85) av	95
L_45 (65) av	367
L_45 (75) av	316
L_45 (85) av	156

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:UNKNOWN
Test Date:2025-10-24

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity:65.0%
Test Distance:8.600m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: UNKNOWN
Test Date: 2025-10-24

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.411
Humidity: 65.0%
Test Distance: 8.600m [K=1.0000]
Remarks: