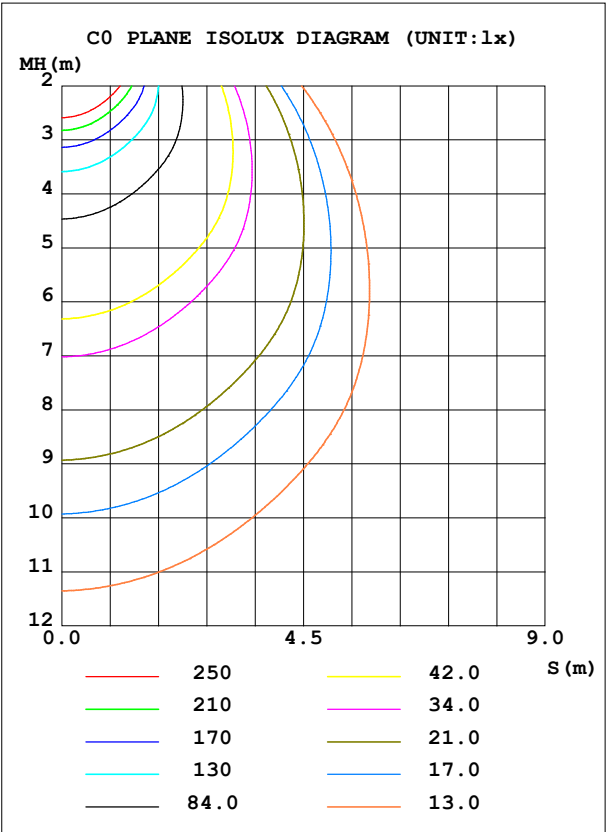
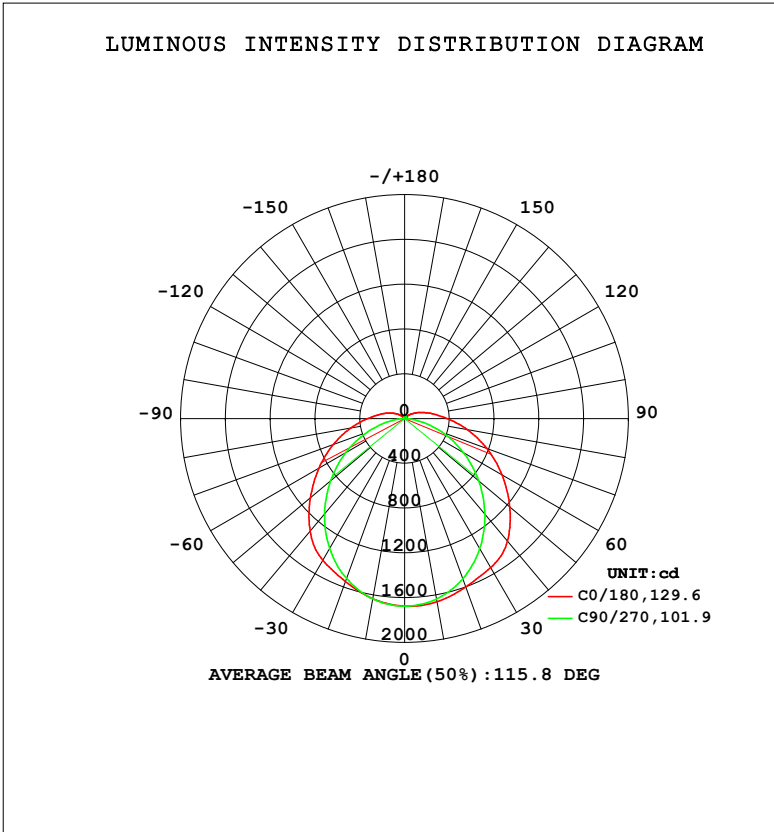


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm		
NAME: 0028920278 3000K 35W 5600lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.00 lm/W			
MODEL		I _{max} (cd)	1677	S/MH(C0/180)	1.38
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.20
RATED VOLTAGE(V)		TOTAL FLUX(lm)	5600.0	η UP,DN(C0-180)	3.5,45.0
NOMINAL FLUX(lm)	5600	CIE CLASS	DIRECT	η UP,DN(C180-360)	3.9,47.7
LAMPS INSIDE	1	η up (%)	7.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down (%)	92.6	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Testing Room
Test Date:2025-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:11.050m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	1634	1636	1661	1636					0- 10	158.3	158.3	2.83,2.83
20	1548	1520	1600	1522					10- 20	451.8	610.1	10.9,10.9
30	1462	1340	1537	1343					20- 30	686.0	1296	23.1,23.1
40	1314	1113	1431	1116					30- 40	838.4	2135	38.1,38.1
50	1099	861.7	1226	864.3					40- 50	872.4	3007	53.7,53.7
60	883.2	604.4	1005	605.9					50- 60	799.5	3806	68,68
70	678.5	354.2	782.6	355.9					60- 70	651.6	4458	79.6,79.6
80	488.2	133.3	567.7	133.4					70- 80	458.2	4916	87.8,87.8
90	332.6	13.14	381.2	13.60					80- 90	270.5	5187	92.6,92.6
100	226.1	9.441	255.0	9.581					90-100	167.3	5354	95.6,95.6
110	148.8	6.925	165.6	6.706					100-110	108.2	5462	97.5,97.5
120	89.77	8.311	99.49	7.841					110-120	65.65	5528	98.7,98.7
130	44.03	9.876	50.08	9.435					120-130	35.51	5563	99.3,99.3
140	16.35	11.39	17.00	11.10					130-140	15.60	5579	99.6,99.6
150	15.73	12.77	15.86	12.57					140-150	8.827	5588	99.8,99.8
160	15.30	13.87	15.46	13.75					150-160	6.669	5594	99.9,99.9
170	15.04	14.71	15.05	14.45					160-170	4.167	5599	100,100
180	15.08	15.08	15.07	15.00					170-180	1.420	5600	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2574.1 lm

%lum = 46.0%

%lamp = 46.0%

Conical surface Flux(120deg): 3806.5 lm

%lum = 68.0%

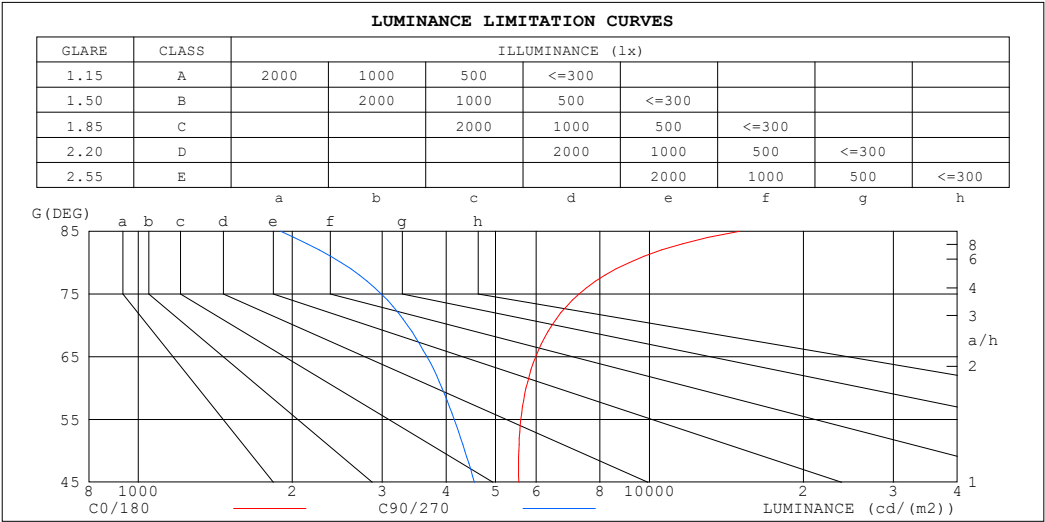
%lamp = 68.0%

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:Testing Room
 Test Date:2025-11-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
 Humidity:65.0%
 Test Distance:11.050m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm		
NAME: 0028920278 3000K 35W 5600lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	15015	1900
80	9126	2493
75	7284	2987
70	6440	3363
65	5991	3669
60	5733	3926
55	5603	4149
50	5548	4354
45	5548	4543

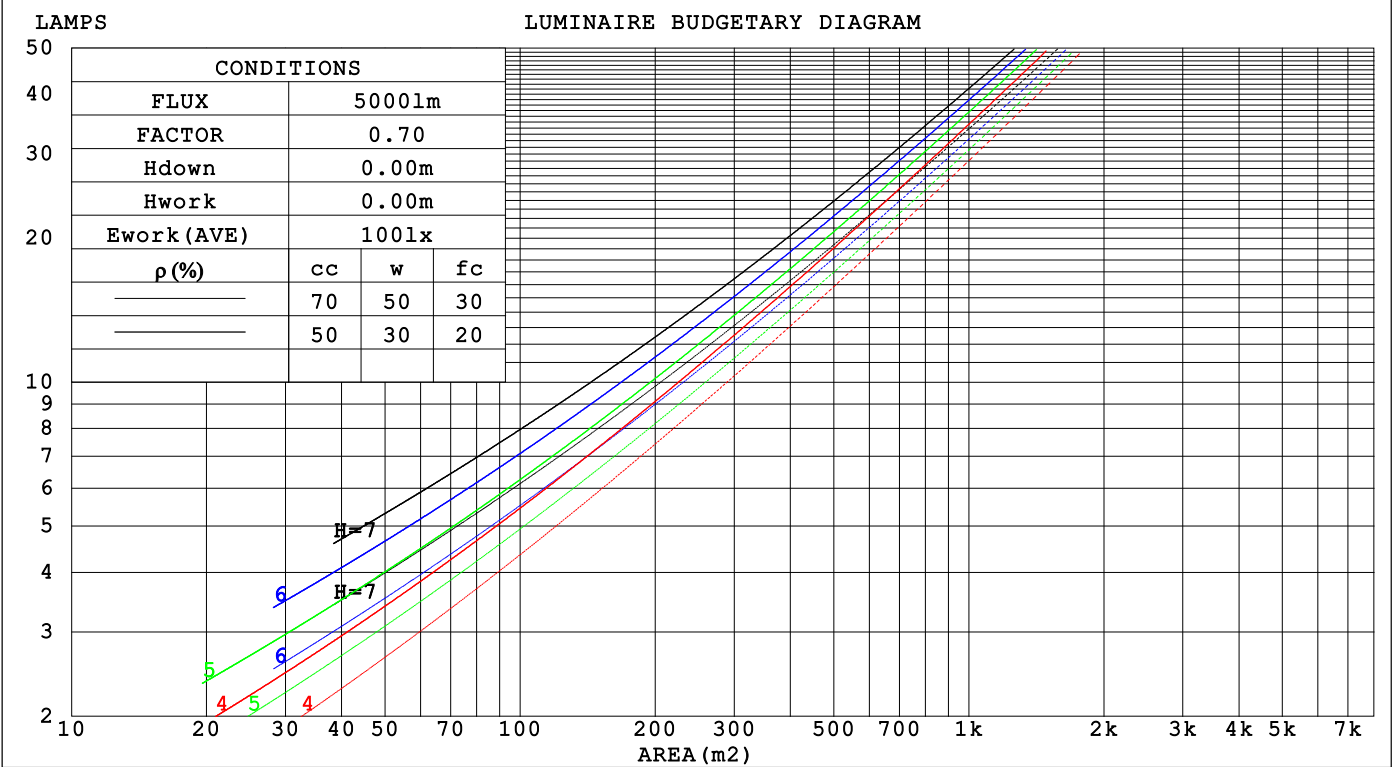
C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Testing Room
Test Date:2025-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:11.050m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz																	
Lamp Flux:5600x1 lm																	
NAME: 0028920278 3000K 35W 5600lm									TYPE:			WEIGHT:					
SPEC.:									DIM.:			SERIAL No.:					
MFR.:									SUR.:			Shielding Angle:					

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 Coefficients of Utilization(CU)															
0.0	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.93
1.0	1.00	.95	.91	.97	.93	.89	.91	.88	.85	.86	.83	.81	.81	.79	.77	.74
2.0	.87	.79	.73	.84	.77	.72	.79	.74	.69	.75	.70	.66	.71	.67	.64	.61
3.0	.76	.67	.60	.73	.66	.59	.69	.63	.57	.66	.60	.55	.62	.57	.53	.51
4.0	.67	.58	.51	.65	.56	.50	.61	.54	.48	.58	.52	.47	.55	.50	.46	.43
5.0	.60	.50	.43	.58	.49	.43	.55	.47	.42	.52	.46	.41	.50	.44	.39	.37
6.0	.53	.44	.38	.52	.44	.37	.50	.42	.36	.47	.41	.35	.45	.39	.35	.32
7.0	.48	.39	.33	.47	.39	.33	.45	.38	.32	.43	.36	.31	.41	.35	.31	.28
8.0	.44	.35	.30	.43	.35	.29	.41	.34	.29	.39	.33	.28	.38	.32	.27	.25
9.0	.40	.32	.27	.40	.32	.26	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10.0	.37	.29	.24	.36	.29	.24	.35	.28	.23	.34	.27	.23	.32	.27	.22	.21



C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:Testing Room

Test Date:2025-11-21

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471

Humidity:65.0%

Test Distance:11.050m [K=1.0000]

Remarks:

WEC AND CCEC

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm					
NAME: 0028920278 3000K 35W 5600lm			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:		Shielding Angle:

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	.347	.197	.063	.338	.193	.061	.320	.184	.059	.304	.175	.056	.289	.167	.054		
2.0	.312	.171	.052	.303	.167	.051	.288	.160	.050	.273	.153	.048	.260	.147	.046		
3.0	.282	.150	.045	.275	.147	.044	.261	.141	.043	.248	.136	.042	.235	.130	.040		
4.0	.257	.134	.039	.250	.131	.039	.238	.126	.038	.226	.121	.037	.215	.117	.036		
5.0	.236	.120	.035	.230	.118	.034	.218	.114	.033	.208	.110	.033	.198	.106	.032		
6.0	.217	.109	.031	.212	.107	.031	.202	.103	.030	.192	.100	.029	.183	.096	.029		
7.0	.201	.100	.028	.197	.098	.028	.187	.095	.027	.179	.092	.027	.170	.088	.026		
8.0	.188	.092	.026	.183	.090	.025	.175	.087	.025	.167	.084	.024	.159	.082	.024		
9.0	.175	.085	.024	.171	.083	.023	.164	.081	.023	.156	.078	.022	.149	.076	.022		
10.0	.164	.079	.022	.161	.078	.022	.154	.075	.021	.147	.073	.021	.141	.071	.020		

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	.247	.247	.247	.211	.211	.211	.144	.144	.144	.083	.083	.083	.026	.026	.026	
1.0	.240	.213	.188	.205	.182	.162	.140	.125	.112	.081	.073	.065	.026	.023	.021	
2.0	.232	.189	.153	.199	.163	.132	.136	.112	.092	.079	.065	.054	.025	.021	.018	
3.0	.224	.172	.130	.192	.148	.113	.132	.103	.079	.076	.060	.047	.024	.020	.015	
4.0	.216	.159	.115	.186	.137	.100	.128	.096	.070	.074	.056	.042	.024	.018	.014	
5.0	.209	.149	.104	.179	.129	.091	.124	.090	.064	.072	.053	.038	.023	.017	.013	
6.0	.202	.140	.097	.173	.122	.084	.119	.085	.060	.069	.050	.035	.022	.016	.012	
7.0	.195	.134	.091	.167	.116	.079	.116	.081	.056	.067	.048	.033	.022	.016	.011	
8.0	.188	.128	.087	.162	.111	.076	.112	.078	.054	.065	.046	.032	.021	.015	.011	
9.0	.182	.123	.083	.157	.107	.073	.109	.075	.052	.063	.044	.031	.020	.015	.010	
10.0	.176	.119	.081	.152	.103	.070	.105	.073	.050	.061	.043	.030	.020	.014	.010	

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Testing Room
Test Date:2025-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:11.050m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm										
NAME: 0028920278 3000K 35W 5600lm					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:			Shielding Angle:		
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	18.4	19.8	18.7	20.2	20.5	17.1	18.5	17.4	18.9	19.2
3H	20.5	21.8	20.9	22.2	22.6	18.4	19.8	18.8	20.1	20.5
4H	21.6	22.9	22.0	23.3	23.7	18.9	20.2	19.3	20.6	21.0
6H	22.8	24.0	23.2	24.4	24.8	19.3	20.5	19.7	20.9	21.3
8H	23.4	24.6	23.9	25.0	25.5	19.3	20.5	19.8	20.9	21.4
12H	24.2	25.3	24.6	25.7	26.2	19.4	20.5	19.8	20.9	21.4
4H 2H	18.9	20.2	19.3	20.5	21.0	17.9	19.2	18.3	19.5	20.0
3H	21.2	22.3	21.6	22.7	23.2	19.5	20.6	19.9	21.0	21.5
4H	22.4	23.5	22.9	23.9	24.4	20.1	21.2	20.6	21.6	22.1
6H	23.8	24.7	24.3	25.2	25.8	20.6	21.6	21.1	22.0	22.6
8H	24.6	25.4	25.1	25.9	26.5	20.8	21.6	21.3	22.1	22.7
12H	25.5	26.3	26.0	26.8	27.3	20.9	21.7	21.4	22.2	22.8
8H 4H	22.7	23.5	23.2	24.0	24.6	20.7	21.6	21.2	22.1	22.6
6H	24.3	25.0	24.8	25.5	26.1	21.5	22.2	22.0	22.7	23.3
8H	25.2	25.9	25.8	26.4	27.0	21.8	22.4	22.4	23.0	23.6
12H	26.3	26.9	26.9	27.5	28.1	22.0	22.6	22.6	23.1	23.8
12H 4H	22.7	23.5	23.2	24.0	24.6	20.9	21.7	21.4	22.2	22.7
6H	24.4	25.0	24.9	25.6	26.2	21.8	22.4	22.3	23.0	23.6
8H	25.4	25.9	26.0	26.5	27.1	22.2	22.7	22.8	23.3	23.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 5600 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.0$)
Area: 0.308 m²

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:Testing Room

Test Date:2025-11-21

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471

Humidity:65.0%

Test Distance:11.050m [K=1.0000]

Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm		
NAME: 0028920278 3000K 35W 5600lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

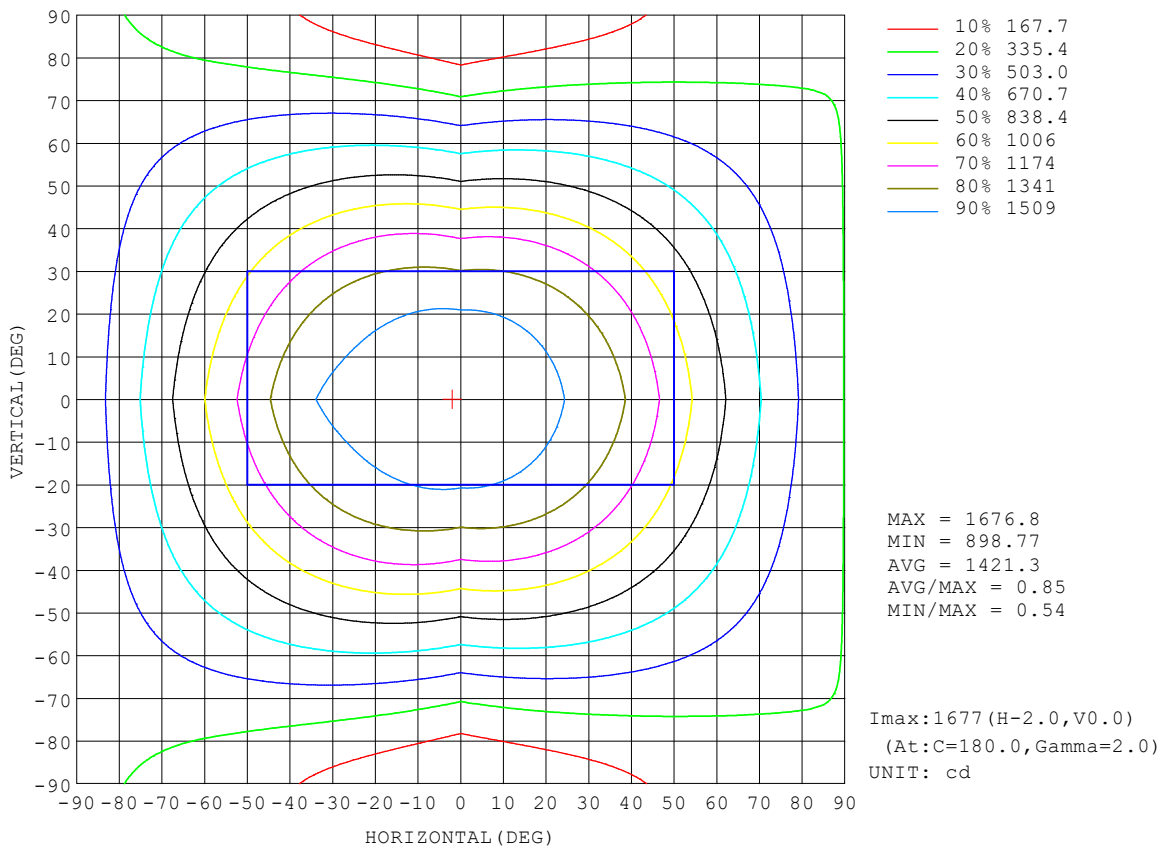
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	59	45	37	57	44	37	53	43	36	28
0.80	68	55	47	66	54	46	62	52	44	35
1.00	76	64	55	74	62	54	69	59	52	43
1.25	83	71	63	80	70	62	75	66	60	49
1.50	87	77	69	84	75	67	79	71	65	54
2.00	94	85	77	91	82	76	85	78	72	61
2.50	97	89	83	94	87	81	88	82	77	65
3.00	100	93	87	97	91	85	91	86	81	69
4.00	104	98	93	101	96	91	94	90	86	73
5.00	107	102	97	103	99	95	97	93	90	76
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Ceiling Mounted					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3°C
 Operators: Testing Room
 Test Date: 2025-11-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.471
 Humidity: 65.0%
 Test Distance: 11.050m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

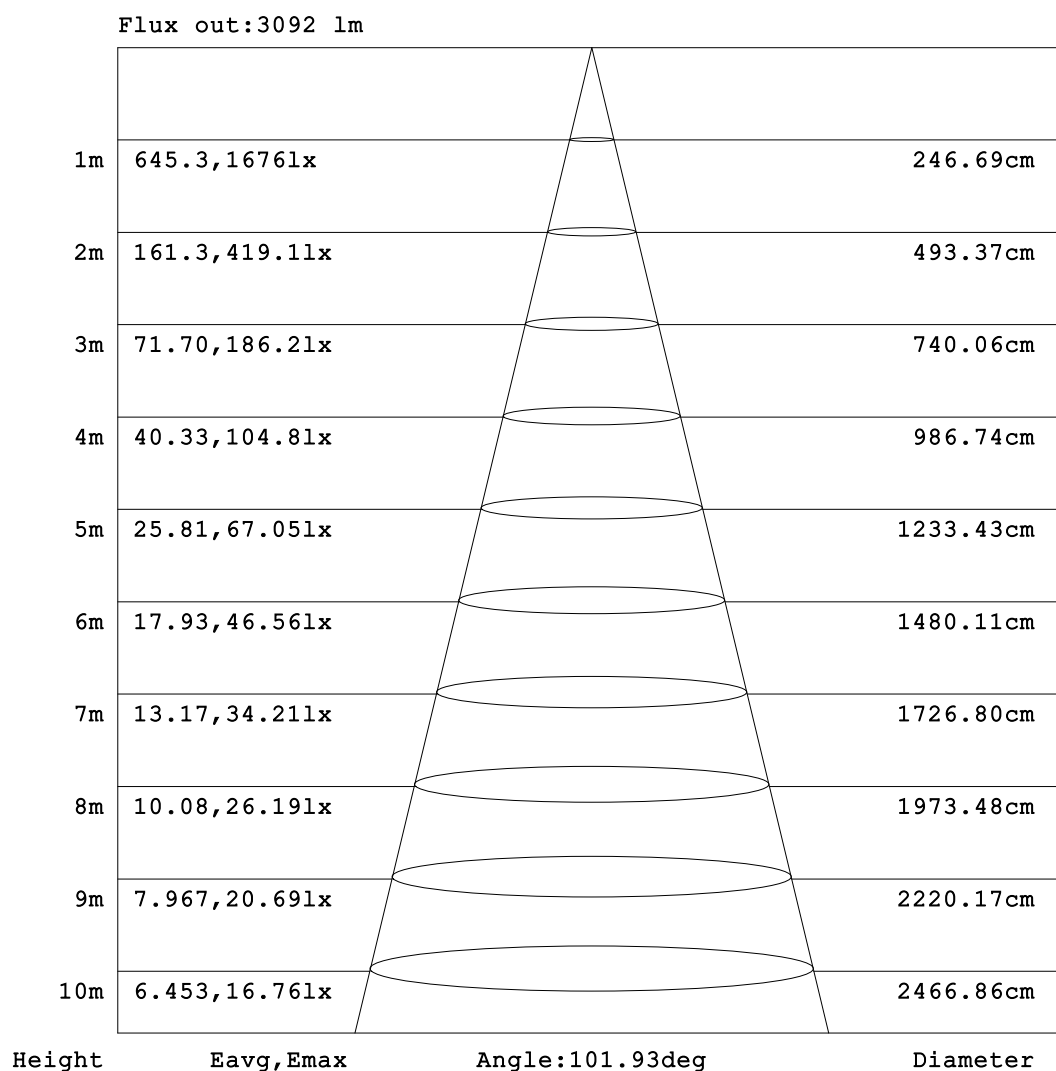
Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm		
NAME: 0028920278 3000K 35W 5600lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 90.0DEG	γ Interval: 1.0DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Temperature:25.3℃	Humidity:65.0%
Operators:Testing Room	Test Distance:11.050m [K=1.0000]
Test Date:2025-11-21	Remarks:

AAI Figure

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm		
NAME: 0028920278 3000K 35W 5600lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



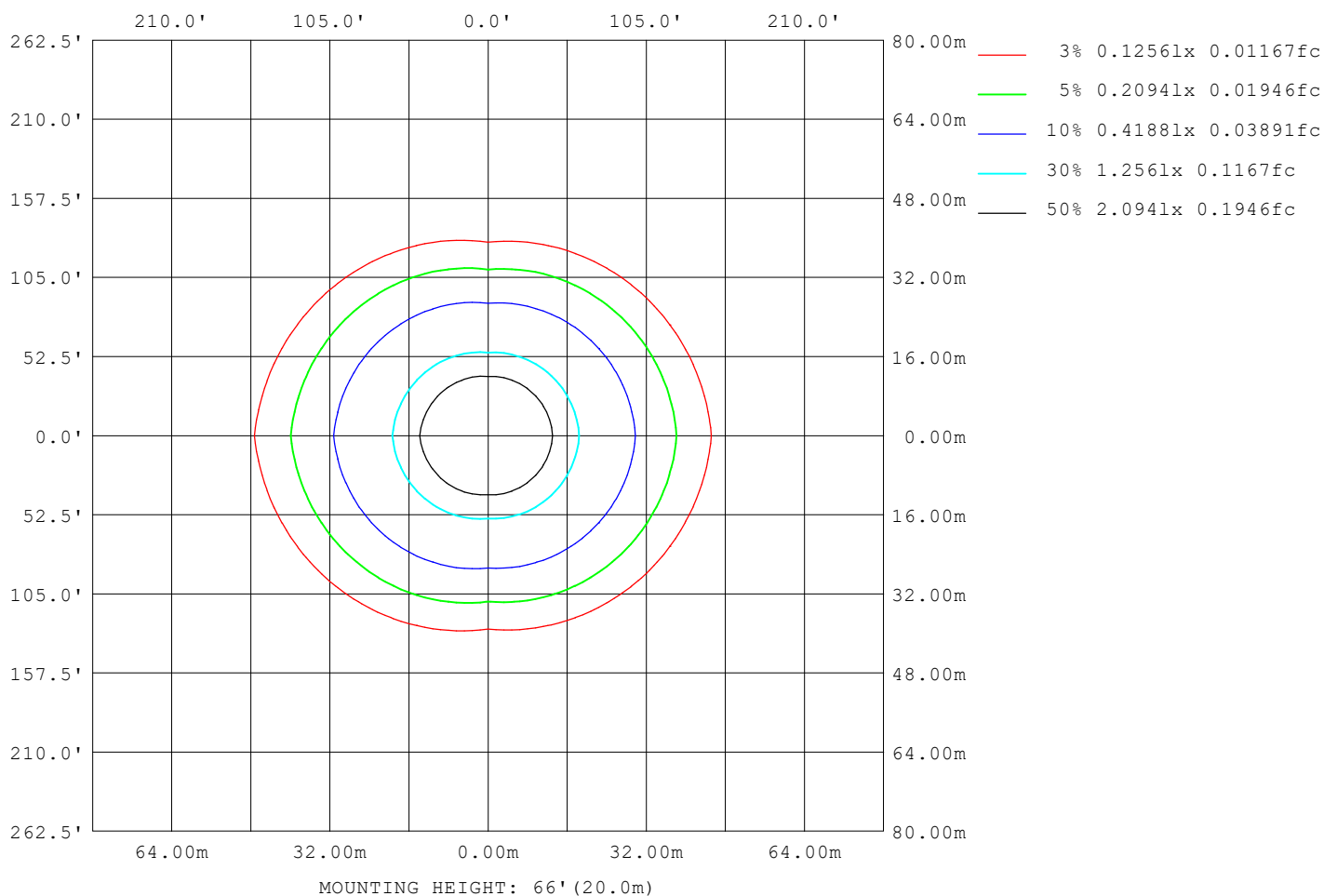
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Testing Room
Test Date: 2025-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 11.050m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm		
NAME: 0028920278 3000K 35W 5600lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: Testing Room
Test Date: 2025-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 11.050m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm		
NAME: 0028920278 3000K 35W 5600lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

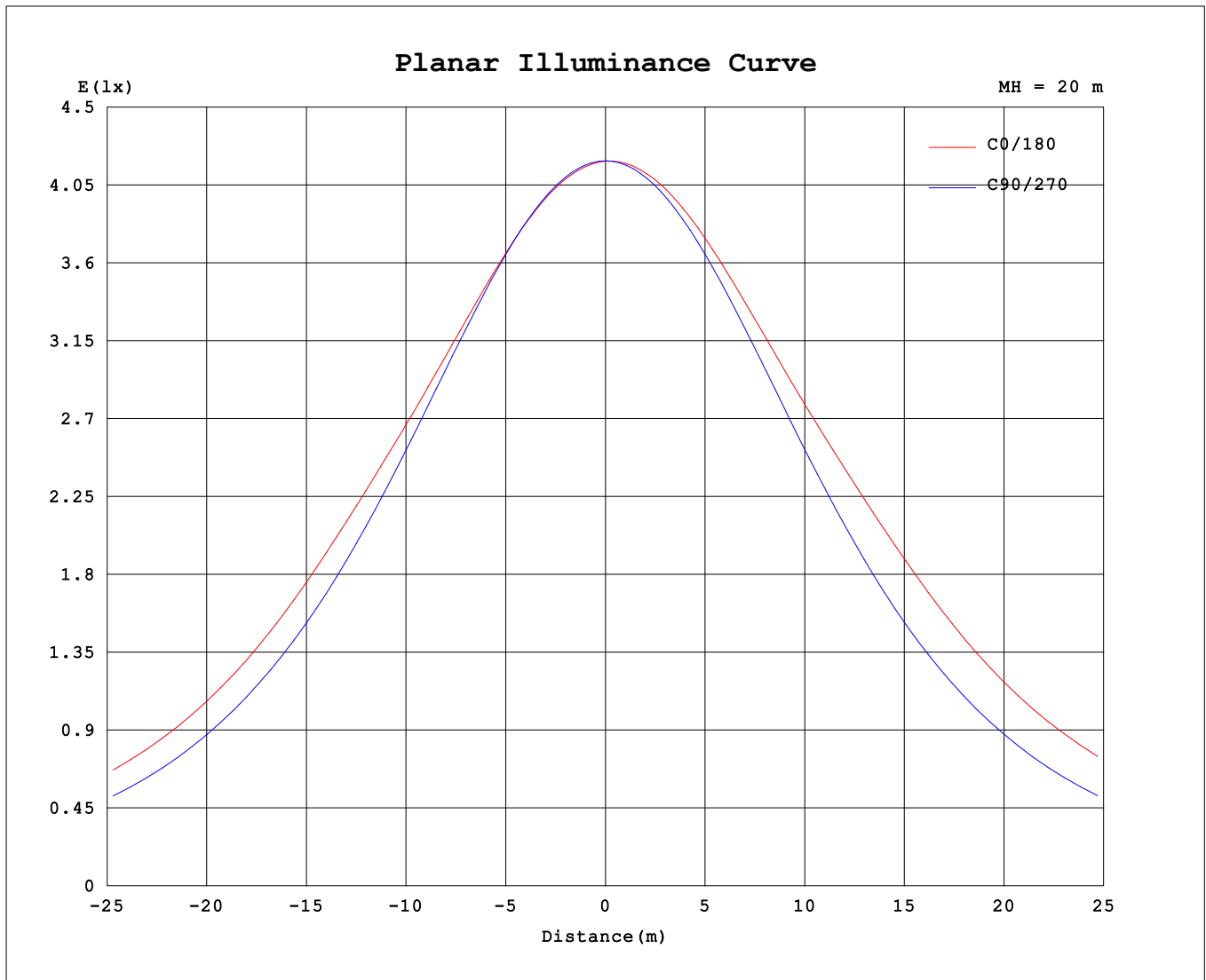
AvgL	cd/m2
L_0~180 (65) av	6430
L_0~180 (75) av	7865
L_0~180 (85) av	16217
L_90~270 (65) av	3675
L_90~270 (75) av	2991
L_90~270 (85) av	1896
L_45 (65) av	4735
L_45 (75) av	4854
L_45 (85) av	7339

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:Testing Room
Test Date:2025-11-21

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity:65.0%
Test Distance:11.050m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: Testing Room
Test Date: 2025-11-21

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000H_V1 SYSTEM V2.00.471
Humidity: 65.0%
Test Distance: 11.050m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.00V I:0.1613A P:35.000W PF:0.9426 Freq:50.00Hz Lamp Flux:5600x1 lm		
NAME: 0028920278 3000K 35W 5600lm	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270														
0	1676	1676	1676	1676														
5	1662	1666	1675	1666														
10	1634	1636	1661	1636														
15	1594	1587	1634	1588														
20	1548	1520	1600	1522														
25	1504	1438	1567	1440														
30	1462	1340	1537	1343														
35	1402	1231	1499	1234														
40	1314	1113	1431	1116														
45	1209	989	1333	992														
50	1099	862	1226	864														
55	990	733	1116	735														
60	883	604	1005	606														
65	780	478	894	479														
70	679	354	783	356														
75	581	238	673	239														
80	488	133	568	133														
85	403	51.0	467	50.8														
90	333	13.1	381	13.6														
95	275	11.0	312	11.3														
100	226	9.44	255	9.58														
105	184	8.30	205	7.68														
110	149	6.92	166	6.71														
115	118	7.55	130	7.18														
120	89.8	8.31	99.5	7.84														
125	65.2	9.09	73.1	8.63														
130	44.0	9.88	50.1	9.44														
135	26.2	10.7	30.7	10.3														
140	16.3	11.4	17.0	11.1														
145	16.0	12.1	16.2	11.9														
150	15.7	12.8	15.9	12.6														
155	15.5	13.4	15.6	13.2														
160	15.3	13.9	15.5	13.8														
165	15.2	14.3	15.2	14.1														
170	15.0	14.7	15.1	14.5														
175	14.9	15.0	15.0	14.8														
180	15.1	15.1	15.1	15.0														

C Range: 0 - 360DEG

C Interval: 90.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:Testing Room

Test Date:2025-11-21

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000H_V1 SYSTEM V2.00.471

Humidity:65.0%

Test Distance:11.050m [K=1.0000]

Remarks: