

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

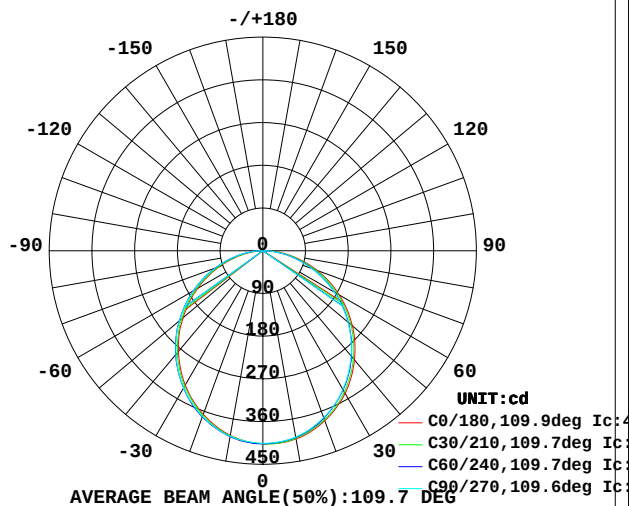
Page 1 Of 13

LUMINAIRE PHOTOMETRIC TEST REPORT

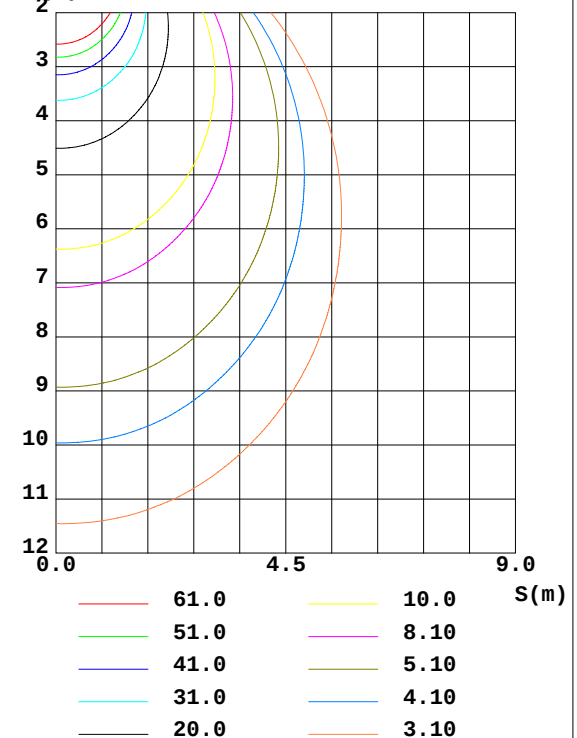
Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 69.21 lm/W			
MODEL	CFLK-1060LED	I _{max} (cd)	407.6	S/MH(C0/180)	1.20
NOMINAL POWER(W)	17	LOR(%)	100.0	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	1162.8	η UP, DN(C0-180)	1.0, 48.9
NOMINAL FLUX(lm)	1162.83	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1, 49.0
LAMPS INSIDE	1	η up(%)	2.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	97.9	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [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	402.4	400.7	398.4	397.0	395.0	396.6	397.0	397.9	0- 10	38.39	38.39	3.3,3.3
20	381.1	377.6	374.2	372.4	366.8	370.0	371.5	374.4	10- 20	109.3	147.7	12.7,12.7
30	346.8	342.0	337.3	334.3	327.1	331.3	333.7	336.8	20- 30	164.2	311.9	26.8,26.8
40	300.2	294.8	289.3	286.0	276.9	281.8	284.8	289.7	30- 40	195.9	507.8	43.7,43.7
50	246.5	240.0	234.3	229.7	219.6	226.2	229.4	234.5	40- 50	201.4	709.1	61,61
60	185.6	178.5	173.2	168.5	159.0	165.6	168.8	174.8	50- 60	181.0	890.1	76.5,76.5
70	122.2	115.2	109.8	105.5	96.74	102.9	106.6	111.5	60- 70	139.0	1029	88.5,88.5
80	59.64	54.10	50.14	46.15	39.39	44.39	47.80	51.63	70- 80	82.59	1112	95.6,95.6
90	8.996	5.679	4.053	3.188	3.720	3.734	3.740	4.833	80- 90	26.76	1138	97.9,97.9
100	3.127	3.143	3.169	3.189	3.821	3.801	3.790	3.790	90-100	3.903	1142	98.2,98.2
110	3.304	3.312	3.312	3.324	3.948	3.921	3.894	3.882	100-110	3.752	1146	98.6,98.6
120	3.493	3.482	3.462	3.497	4.075	4.040	4.028	4.001	110-120	3.661	1150	98.9,98.9
130	3.689	3.667	3.674	3.682	4.221	4.159	4.244	4.109	120-130	3.452	1153	99.2,99.2
140	3.970	3.971	3.947	3.952	4.341	4.329	4.291	4.252	130-140	3.130	1156	99.4,99.4
150	4.252	4.171	4.213	4.198	4.487	4.425	4.468	4.375	140-150	2.661	1159	99.7,99.7
160	4.459	4.456	4.467	4.467	4.629	4.648	4.545	4.591	150-160	2.052	1161	99.8,99.8
170	4.691	4.679	4.652	4.699	4.784	4.741	4.753	4.695	160-170	1.311	1162	100,100
180	4.860	4.818	4.787	4.853	4.864	4.822	4.791	4.853	170-180	0.4549	1163	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

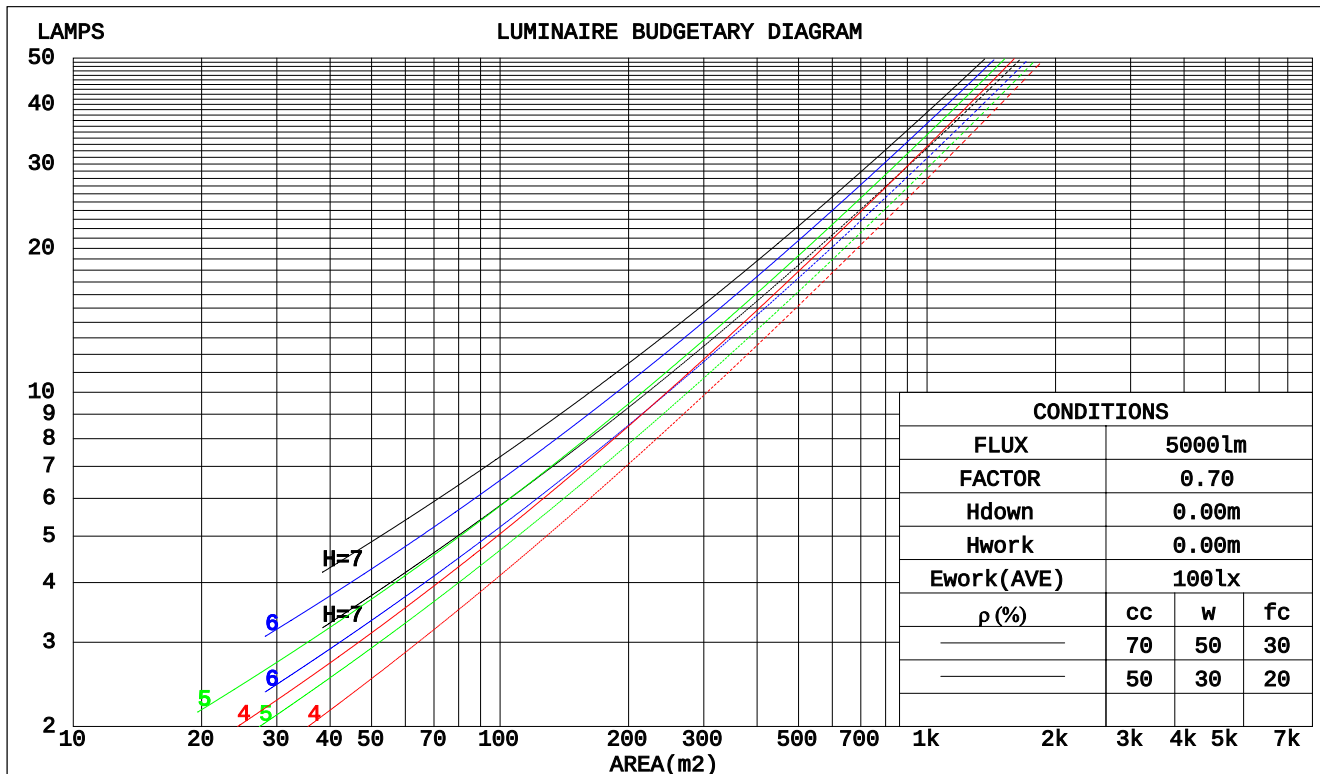
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.71	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.33	.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: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity: 65.0%
 Test Distance: 7.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm									
NAME:				TYPE:LED				WEIGHT:	
SPEC.:				DIM.:				SERIAL No.:	
MFR.:				SUR.:				PROTECTION ANGLE:	

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						Wall Exitance Coeffcients(WEC)										
0.0																	
1.0	.314	.178	.057	.306	.175	.055	.292	.167	.053	.278	.161	.052	.266	.154	.050		
2.0	.293	.161	.049	.286	.158	.049	.273	.152	.047	.262	.147	.046	.251	.142	.045		
3.0	.270	.144	.043	.264	.142	.043	.253	.137	.042	.242	.133	.041	.233	.129	.040		
4.0	.249	.129	.038	.244	.128	.038	.234	.124	.037	.224	.120	.036	.215	.117	.036		
5.0	.230	.117	.034	.225	.116	.034	.216	.113	.033	.208	.110	.033	.200	.107	.032		
6.0	.213	.107	.031	.209	.106	.030	.201	.103	.030	.193	.100	.030	.186	.098	.029		
7.0	.198	.098	.028	.194	.097	.028	.187	.095	.027	.180	.092	.027	.174	.090	.027		
8.0	.185	.090	.025	.182	.089	.025	.175	.088	.025	.169	.086	.025	.163	.084	.024		
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023		
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.074	.021	.145	.073	.021		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.206	.206	.206	.176	.176	.176	.120	.120	.120	.069	.069	.069	.022	.022	.022	
1.0	.197	.172	.150	.168	.148	.129	.115	.102	.089	.066	.059	.052	.021	.019	.017	
2.0	.189	.148	.114	.162	.127	.099	.111	.088	.069	.064	.051	.040	.020	.017	.013	
3.0	.181	.131	.091	.155	.113	.078	.106	.078	.055	.061	.046	.032	.020	.015	.011	
4.0	.173	.117	.075	.149	.101	.065	.102	.071	.046	.059	.041	.027	.019	.013	.009	
5.0	.166	.107	.064	.142	.093	.055	.098	.065	.039	.057	.038	.023	.018	.012	.008	
6.0	.159	.099	.056	.136	.085	.048	.094	.060	.034	.055	.035	.020	.018	.012	.007	
7.0	.152	.092	.050	.131	.080	.043	.090	.056	.031	.052	.033	.018	.017	.011	.006	
8.0	.145	.086	.045	.125	.075	.040	.087	.052	.028	.050	.031	.017	.016	.010	.006	
9.0	.139	.081	.042	.120	.070	.037	.083	.049	.026	.048	.029	.015	.016	.010	.005	
10.0	.134	.077	.039	.115	.067	.034	.080	.047	.024	.047	.028	.014	.015	.009	.005	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm											
NAME:					TYPE:LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.:			PROTECTION 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	2H	17.5	19.0	17.8	19.2	19.5	17.2	18.6	17.4	18.9	19.1
	3H	19.2	20.5	19.5	20.8	21.1	18.7	20.1	19.0	20.3	20.6
	4H	19.9	21.2	20.2	21.5	21.8	19.3	20.6	19.7	20.9	21.2
	6H	20.5	21.7	20.8	22.0	22.3	19.8	21.0	20.2	21.3	21.7
	8H	20.7	21.9	21.1	22.2	22.5	20.0	21.2	20.3	21.5	21.8
	12H	20.9	22.0	21.3	22.4	22.7	20.1	21.2	20.5	21.6	21.9
4H	2H	18.1	19.4	18.4	19.7	20.0	17.8	19.1	18.2	19.4	19.7
	3H	19.9	21.1	20.3	21.4	21.8	19.5	20.7	19.9	21.0	21.4
	4H	20.8	21.8	21.2	22.2	22.6	20.3	21.3	20.7	21.7	22.1
	6H	21.5	22.5	22.0	22.8	23.3	20.9	21.8	21.3	22.2	22.6
	8H	21.8	22.7	22.3	23.1	23.5	21.1	22.0	21.6	22.4	22.8
	12H	22.1	22.9	22.5	23.3	23.7	21.3	22.1	21.7	22.5	23.0
8H	4H	21.1	21.9	21.5	22.3	22.8	20.6	21.5	21.0	21.9	22.3
	6H	22.0	22.7	22.4	23.1	23.6	21.4	22.1	21.8	22.5	23.0
	8H	22.4	23.0	22.9	23.5	24.0	21.7	22.3	22.2	22.8	23.3
	12H	22.7	23.3	23.3	23.8	24.3	21.9	22.5	22.5	23.0	23.5
12H	4H	21.1	21.9	21.5	22.3	22.7	20.6	21.4	21.1	21.9	22.3
	6H	22.0	22.7	22.5	23.1	23.6	21.5	22.1	22.0	22.6	23.1
	8H	22.5	23.0	23.0	23.5	24.0	21.8	22.4	22.3	22.9	23.4
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 1163 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.5)

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

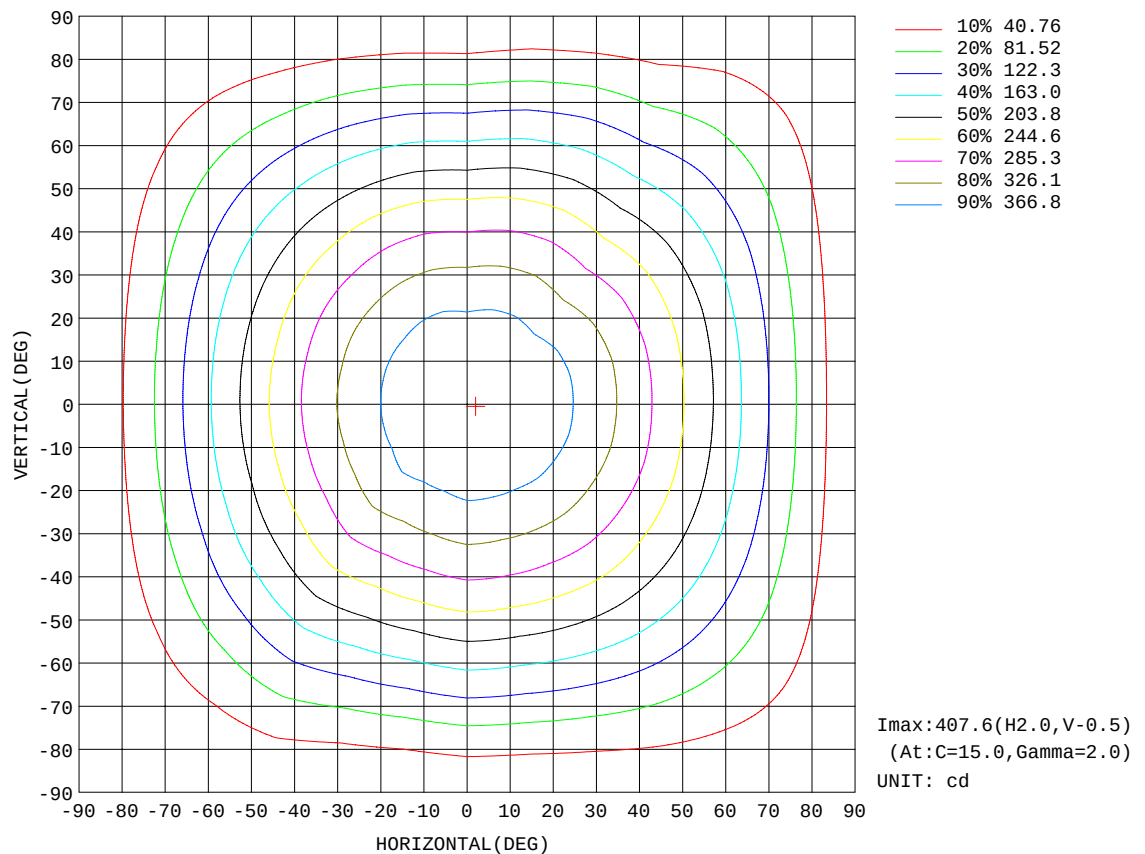
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	71	65	56	48
1.25	82	72	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	70	82	74	68	60
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	89	85	76
4.00	105	100	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	100	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

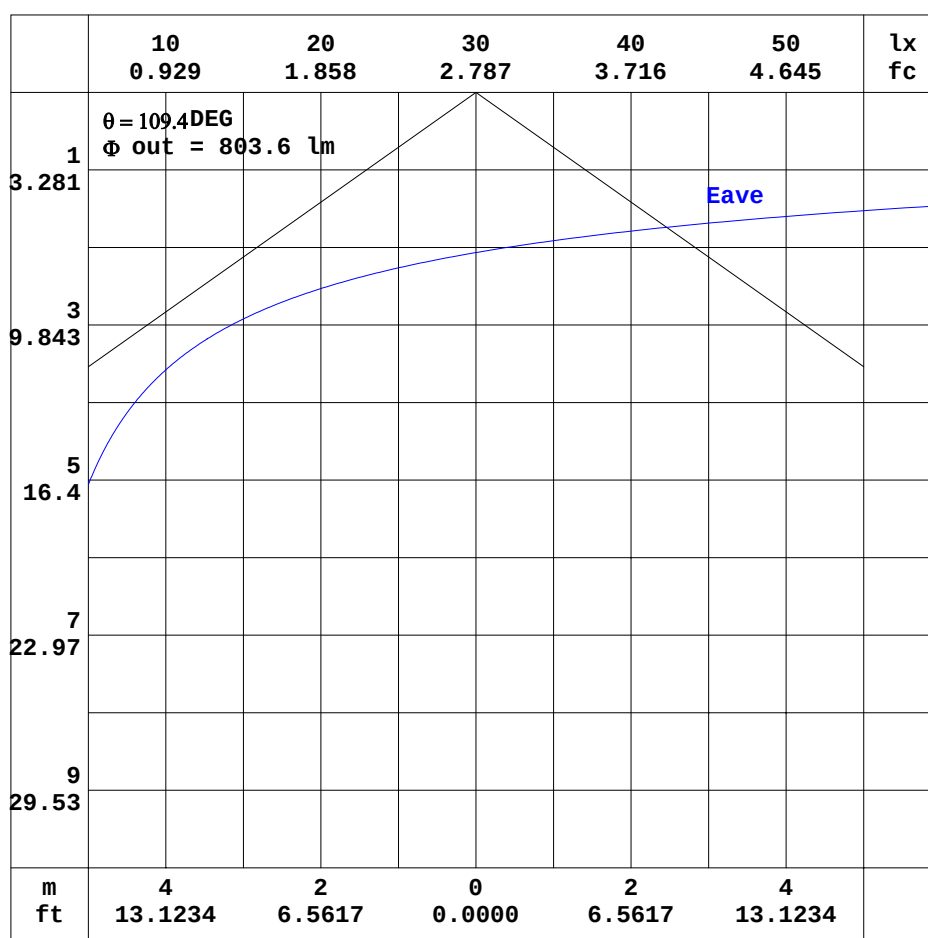


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-01-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 7.500m [K=1.0000]
Remarks:

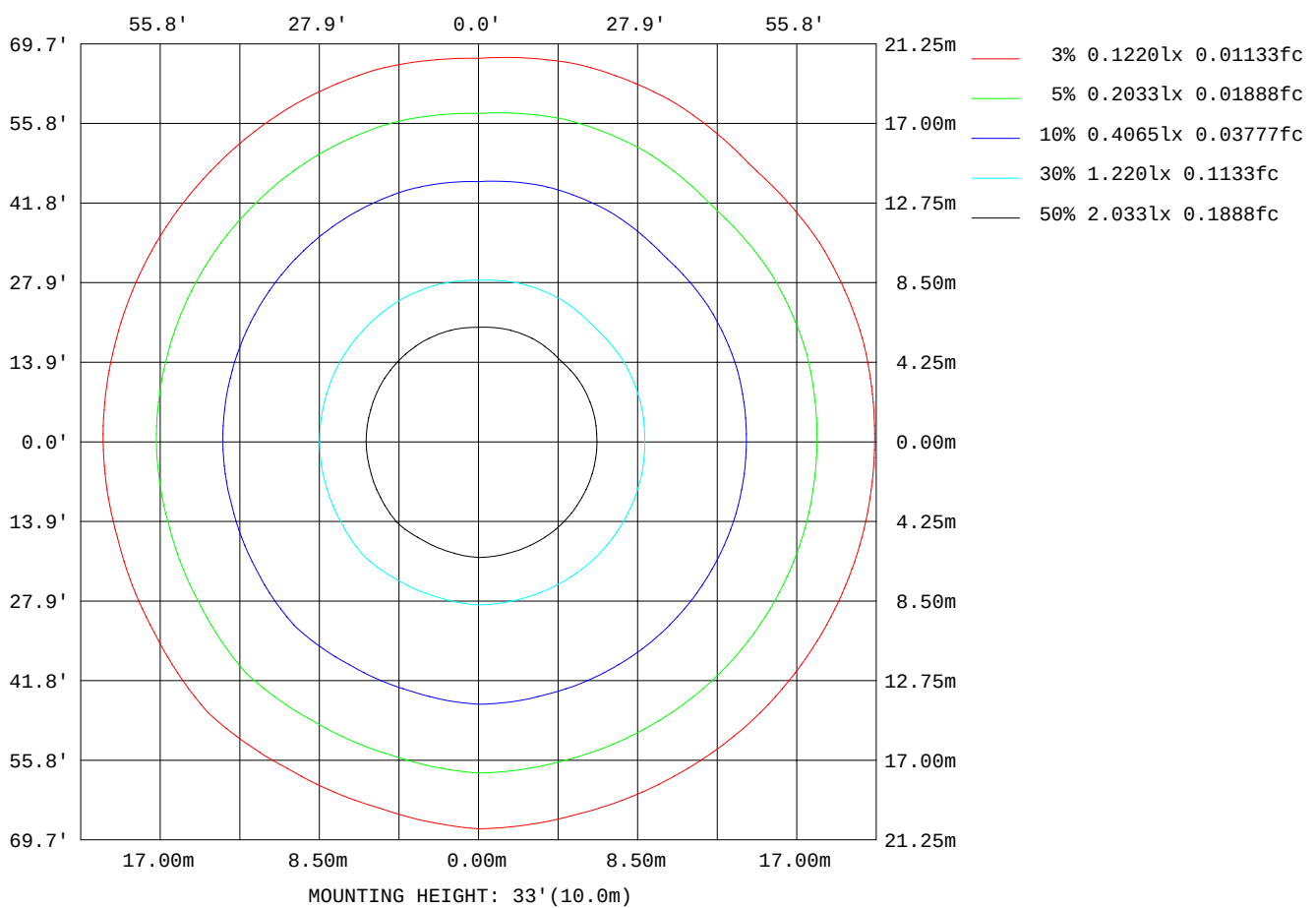
AAI CURVES

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



ISOLUX DIAGRAM

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-01-14

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
Humidity:65.0%
Test Distance:7.500m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

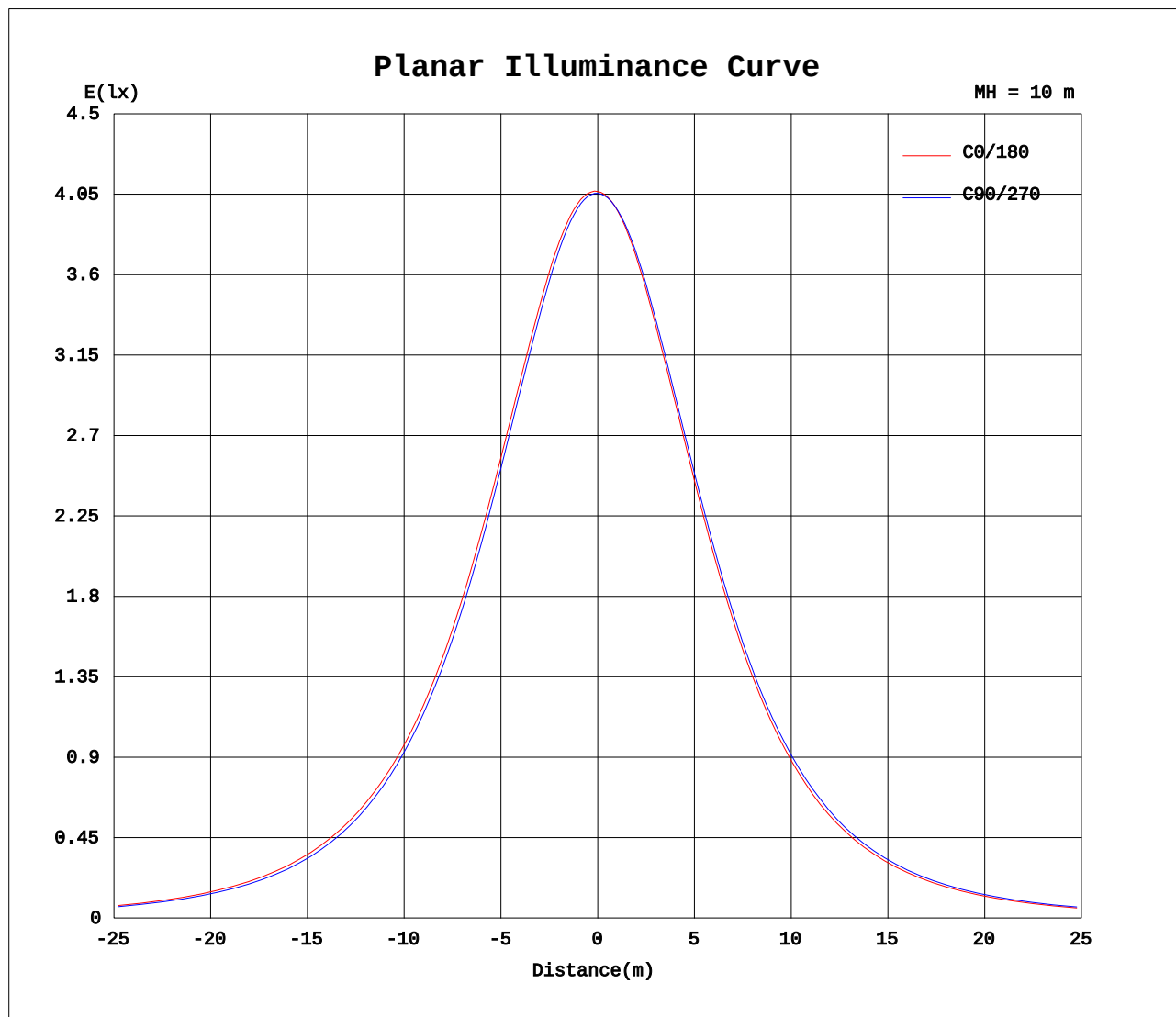
AvgL	cd/m2
L_0~180(65)av	3340
L_0~180(75)av	3030
L_0~180(85)av	2745
L_90~270(65)av	3311
L_90~270(75)av	3000
L_90~270(85)av	2686
L_45(65)av	3325
L_45(75)av	3010
L_45(85)av	2698

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.291
Humidity: 65.0%
Test Distance: 7.500m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm																		
NAME:									TYPE:LED					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.:									SUR.:					PROTECTION ANGLE:				

Table--1

UNIT: cd

γ (DEG) \ C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	407	407	407	407	407	407	406	405	406	406	406	407	407	407	407	407	407	407	406
5	407	407	406	406	405	405	404	402	402	403	403	403	403	402	403	404	405	405	403
10	402	402	401	401	399	398	398	396	394	397	395	394	395	394	396	397	398	398	397
15	394	393	392	391	389	388	388	385	383	387	383	382	383	383	384	385	387	388	386
20	381	381	379	378	376	374	374	369	369	372	367	367	367	368	369	370	373	374	372
25	366	365	363	362	358	357	358	352	350	354	349	348	348	348	350	352	355	356	354
30	347	346	343	342	338	336	337	331	329	334	328	325	327	327	330	331	334	336	334
35	325	324	321	319	316	314	314	308	306	311	304	302	303	303	306	308	311	313	310
40	300	300	297	295	291	289	289	282	280	286	278	276	277	277	280	282	286	288	285
45	274	274	271	269	264	261	263	255	252	258	250	248	249	250	253	255	259	261	258
50	246	245	242	240	235	233	234	225	223	230	221	218	220	221	223	226	230	232	229
55	217	215	212	209	205	202	204	195	193	199	191	188	190	191	193	196	200	203	199
60	186	185	182	179	174	171	173	164	162	168	159	157	159	160	163	166	169	172	169
65	154	153	150	147	143	140	142	132	131	137	128	125	128	129	132	135	138	141	138
70	122	121	118	115	111	108	110	101	99.0	105	96.3	93.9	96.7	97.6	101	103	107	109	107
75	89.9	89.1	85.8	83.7	79.5	77.4	79.0	70.6	68.9	74.8	66.1	63.8	67.0	67.5	70.7	72.5	76.8	78.5	76.3
80	59.6	59.0	56.0	54.1	50.3	48.5	50.1	42.4	41.0	46.1	38.4	36.4	39.4	39.9	42.7	44.4	48.2	49.8	47.8
85	32.3	31.7	29.2	27.6	24.4	22.9	24.4	17.9	16.7	21.0	14.6	13.0	15.5	16.1	18.3	19.8	22.9	24.2	22.5
90	9.00	8.50	6.67	5.68	3.90	3.36	4.05	3.08	3.14	3.19	3.10	3.10	3.72	3.73	3.73	3.73	3.83	4.14	3.74
95	3.05	3.06	3.08	3.08	3.10	3.10	3.11	3.14	3.18	3.13	3.15	3.17	3.76	3.77	3.76	3.76	3.75	3.75	3.75
100	3.13	3.14	3.14	3.14	3.16	3.17	3.17	3.19	3.22	3.19	3.22	3.23	3.82	3.82	3.81	3.80	3.79	3.79	3.79
105	3.23	3.21	3.22	3.22	3.24	3.24	3.24	3.26	3.27	3.25	3.30	3.31	3.88	3.87	3.86	3.86	3.85	3.84	3.84
110	3.30	3.30	3.30	3.31	3.32	3.32	3.31	3.32	3.33	3.32	3.37	3.40	3.95	3.94	3.92	3.92	3.91	3.90	3.89
115	3.41	3.39	3.40	3.39	3.40	3.40	3.39	3.40	3.41	3.41	3.45	3.49	4.02	4.03	3.99	3.97	3.97	3.98	3.95
120	3.49	3.47	3.47	3.48	3.50	3.50	3.46	3.47	3.49	3.50	3.54	3.55	4.07	4.06	4.04	4.04	4.03	4.04	4.03
125	3.59	3.56	3.70	3.57	3.60	3.60	3.56	3.56	3.59	3.57	3.65	3.66	4.22	4.18	4.09	4.12	4.10	4.08	4.16
130	3.69	3.68	3.67	3.67	3.69	3.71	3.67	3.69	3.72	3.68	3.77	3.78	4.22	4.21	4.18	4.16	4.16	4.18	4.24
135	3.83	3.79	3.79	3.79	3.80	3.81	3.81	3.82	3.84	3.80	3.86	3.92	4.30	4.28	4.24	4.24	4.24	4.24	4.23
140	3.97	3.93	3.91	3.97	3.97	3.97	3.95	3.98	3.99	3.95	3.98	4.00	4.34	4.32	4.29	4.33	4.32	4.27	4.29
145	4.11	4.08	4.07	4.04	4.08	4.07	4.06	4.16	4.18	4.06	4.13	4.12	4.42	4.40	4.39	4.37	4.40	4.39	4.35
150	4.25	4.19	4.21	4.17	4.18	4.21	4.21	4.26	4.21	4.20	4.23	4.33	4.49	4.51	4.46	4.42	4.48	4.51	4.47
155	4.40	4.34	4.31	4.32	4.33	4.33	4.34	4.34	4.31	4.43	4.41	4.39	4.55	4.54	4.56	4.60	4.52	4.53	4.50
160	4.46	4.45	4.47	4.46	4.46	4.46	4.47	4.49	4.49	4.47	4.52	4.58	4.63	4.62	4.69	4.65	4.59	4.63	4.54
165	4.67	4.62	4.61	4.58	4.58	4.58	4.55	4.57	4.60	4.56	4.61	4.62	4.71	4.69	4.68	4.67	4.68	4.72	4.62
170	4.69	4.72	4.71	4.68	4.71	4.72	4.65	4.65	4.71	4.70	4.75	4.73	4.78	4.78	4.75	4.74	4.73	4.79	4.75
175	4.79	4.79	4.84	4.82	4.86	4.76	4.75	4.71	4.74	4.74	4.77	4.79	4.86	4.82	4.81	4.81	4.79	4.77	4.75
180	4.86	4.83	4.83	4.82	4.81	4.79	4.79	4.76	4.84	4.85	4.88	4.89	4.86	4.83	4.82	4.82	4.81	4.79	4.79

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.1420A P:16.80W PF:0.9858 Lamp Flux:1162.83x1 lm					
NAME:			TYPE:LED		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:		PROTECTION ANGLE:

Table--2

UNIT: cd

γ (DEG)	C(DEG)																	
	285	300	315	330	345													
0	405	406	406	406	407													
5	404	404	404	406	407													
10	398	399	398	401	402													
15	388	390	388	392	394													
20	375	377	374	380	382													
25	359	360	357	364	366													
30	339	341	337	345	347													
35	316	319	314	323	326													
40	292	294	290	298	302													
45	265	268	263	272	275													
50	237	240	234	245	247													
55	208	210	205	214	218													
60	178	180	175	184	188													
65	147	149	144	153	156													
70	115	117	111	121	125													
75	84.2	86.5	80.6	90.1	92.4													
80	55.1	57.0	51.6	60.1	62.1													
85	28.9	28.9	25.7	32.9	34.6													
90	6.94	7.84	4.83	9.85	11.1													
95	3.75	3.75	3.75	3.73	3.72													
100	3.79	3.78	3.79	3.77	3.77													
105	3.82	3.82	3.83	3.81	3.81													
110	3.87	3.87	3.88	3.87	3.88													
115	3.92	3.93	3.94	3.94	3.95													
120	3.97	3.99	4.00	3.99	4.01													
125	4.02	4.04	4.06	4.04	4.06													
130	4.08	4.65	4.11	4.10	4.13													
135	4.16	4.75	4.20	4.19	4.23													
140	4.23	4.86	4.25	4.25	4.28													
145	4.30	4.68	4.34	4.34	4.34													
150	4.38	4.38	4.37	4.40	4.48													
155	4.47	4.48	4.45	4.48	4.61													
160	4.53	4.53	4.59	4.54	4.55													
165	4.60	4.61	4.66	4.67	4.69													
170	4.71	4.69	4.69	4.72	4.74													
175	4.73	4.75	4.79	4.78	4.84													
180	4.77	4.82	4.85	4.88	4.90													

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-01-14

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.291
 Humidity:65.0%
 Test Distance:7.500m [K=1.0000]
 Remarks: