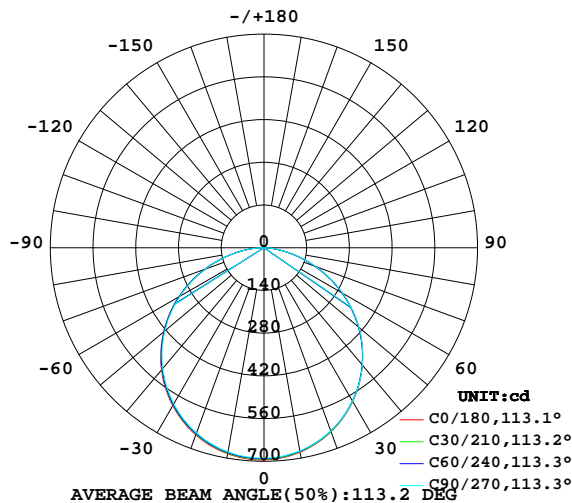


LUMINAIRE PHOTOMETRIC TEST REPORT

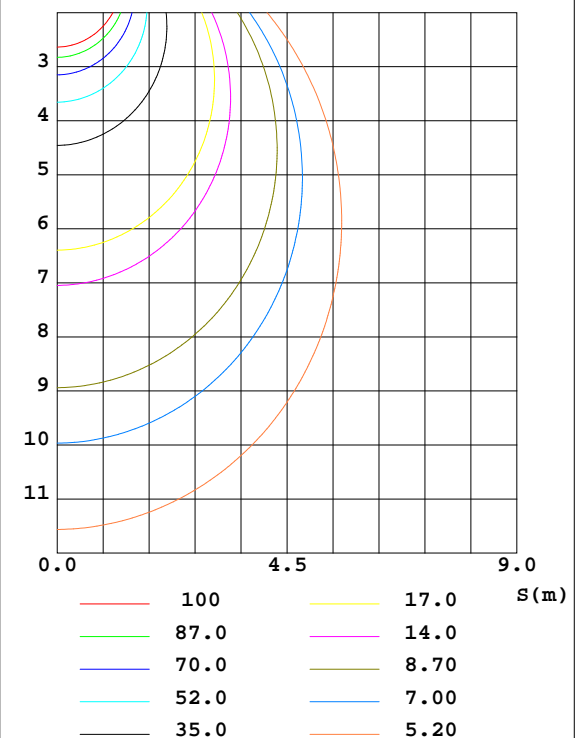
NAME: SLIMB330-3K	TYPE:3000K	WEIGHT:
DIM.: D330*25mm	SPEC.:D330 Dimmable 3000K	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.268*0.268	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 88.57 lm/W			
MODEL		Imax(cd)	695.5	S/MH(C0/180)	1.24
NOMINAL POWER(W)	24	LOR(%)	100.0	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2021.0	η UP,DN(C0-180)	0.9,47.9
NOMINAL FLUX(lm)	2020.96	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,50.6
LAMPS INSIDE	1	η up(%)	1.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.4	η down(%)	98.5	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-03-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:6.400m [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	680.5	678.1	676.3	674.4	685.7	682.5	679.3	677.2	0- 10	65.37	65.37	3.23,3.23
20	641.9	640.3	639.8	638.0	652.8	649.4	645.9	643.4	10- 20	187.4	252.8	12.5,12.5
30	581.4	580.7	580.8	579.3	597.9	594.5	590.9	587.8	20- 30	284.6	537.4	26.6,26.6
40	501.7	501.2	501.7	501.1	522.6	519.9	515.8	512.3	30- 40	344.1	881.5	43.6,43.6
50	405.0	404.9	406.2	406.3	429.8	427.5	423.8	419.7	40- 50	357.8	1239	61.3,61.3
60	295.2	295.2	297.3	297.8	322.7	320.8	317.3	313.4	50- 60	324.0	1563	77.4,77.4
70	178.2	178.4	180.9	181.8	205.8	205.2	202.8	198.7	60- 70	247.1	1810	89.6,89.6
80	67.93	68.30	70.79	71.91	91.39	92.08	90.87	87.17	70- 80	141.6	1952	96.6,96.6
90	3.983	3.958	3.909	3.909	5.443	5.834	5.136	4.370	80- 90	39.50	1991	98.5,98.5
100	4.525	4.494	4.457	4.427	2.493	2.510	2.521	2.529	90-100	3.639	1995	98.7,98.7
110	5.091	5.048	5.025	4.981	3.021	3.025	3.053	3.048	100-110	3.977	1999	98.9,98.9
120	5.580	5.549	5.529	5.488	3.579	3.588	3.603	3.606	110-120	4.265	2003	99.1,99.1
130	5.983	5.968	5.952	5.917	4.201	4.216	4.218	4.229	120-130	4.324	2008	99.3,99.3
140	6.329	6.323	6.309	6.288	4.850	4.872	4.866	4.883	130-140	4.129	2012	99.5,99.5
150	6.657	6.652	6.650	6.625	5.529	5.554	5.546	5.566	140-150	3.666	2015	99.7,99.7
160	6.990	6.964	6.991	6.944	6.240	6.240	6.246	6.249	150-160	2.931	2018	99.9,99.9
170	7.249	7.228	7.257	7.208	6.857	6.841	6.869	6.847	160-170	1.933	2020	100,100
180	7.267	7.245	7.275	7.236	7.288	7.245	7.270	7.236	170-180	0.6809	2021	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

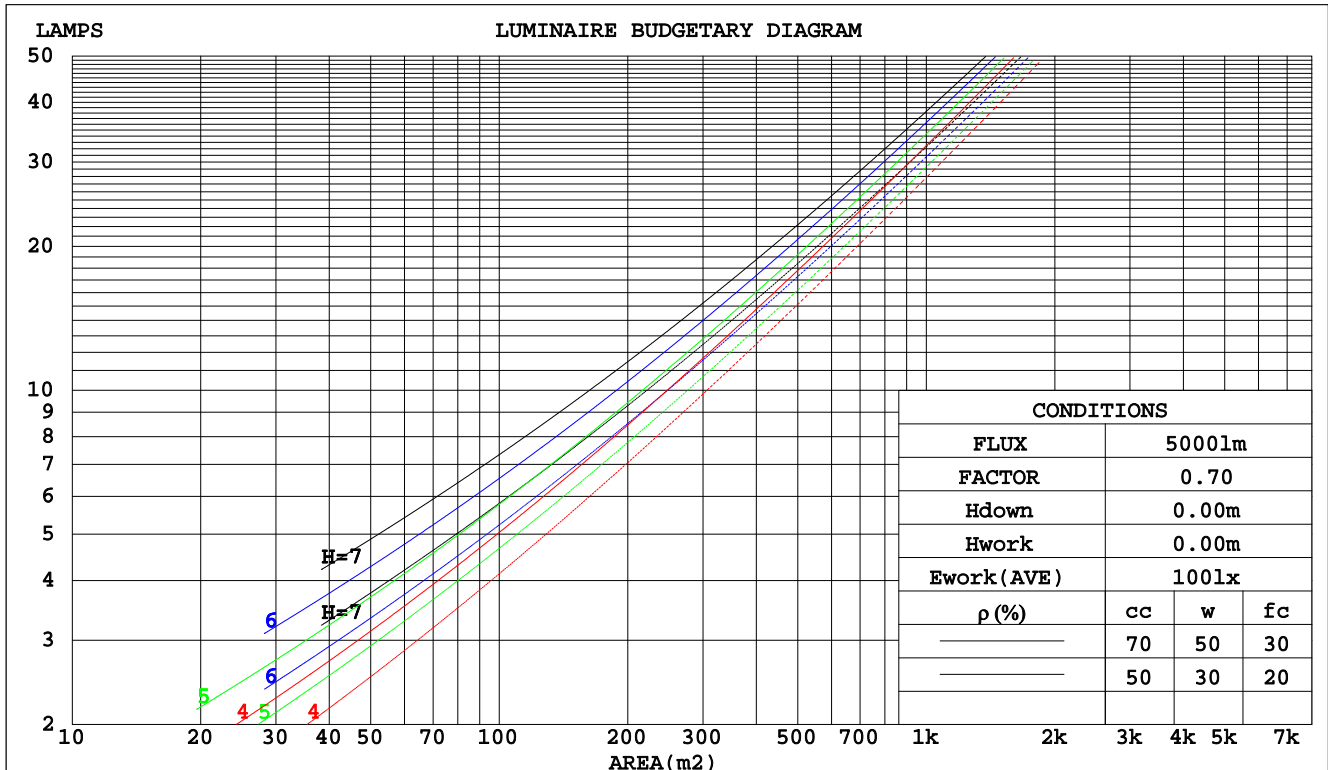
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-03-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.400m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: SLIMB330-3K	TYPE:3000K	WEIGHT:
DIM.: D330*25mm	SPEC.:D330 Dimmable 3000K	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.268*0.268	PROTECTION 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	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.94	.97	.93	.90	.92	.90	.87	.89	.86	.84	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.77	.74	.71	.68
3.0	.79	.71	.64	.77	.70	.63	.74	.68	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.51	.45	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.45	.39	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.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	.36	.30	.25	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-03-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:6.400m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: SLIMB330-3K	TYPE:3000K	WEIGHT:
DIM.: D330*25mm	SPEC.:D330 Dimmable 3000K	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.268*0.268	PROTECTION 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	.311	.177	.056	.303	.173	.055	.289	.166	.053	.276	.159	.051	.264	.153	.049		
2.0	.292	.160	.049	.286	.157	.048	.273	.152	.047	.262	.147	.046	.251	.142	.045		
3.0	.270	.144	.043	.264	.142	.043	.253	.137	.042	.243	.133	.041	.234	.129	.040		
4.0	.249	.130	.038	.244	.128	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036		
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.214	.107	.031	.210	.106	.030	.202	.103	.030	.194	.101	.030	.188	.099	.029		
7.0	.199	.098	.028	.195	.097	.028	.188	.095	.027	.182	.093	.027	.175	.091	.027		
8.0	.186	.091	.026	.182	.090	.025	.176	.088	.025	.170	.086	.025	.165	.084	.025		
9.0	.174	.084	.023	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.164	.078	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.074	.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	.202	.202	.202	.172	.172	.172	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.192	.167	.146	.164	.144	.125	.112	.099	.087	.065	.057	.050	.021	.018	.016	
2.0	.184	.143	.109	.157	.123	.094	.108	.085	.066	.062	.050	.039	.020	.016	.013	
3.0	.176	.126	.086	.151	.108	.074	.104	.075	.052	.060	.044	.031	.019	.014	.010	
4.0	.168	.112	.070	.144	.097	.061	.099	.068	.043	.057	.040	.025	.018	.013	.008	
5.0	.161	.102	.059	.138	.088	.051	.095	.062	.036	.055	.036	.021	.018	.012	.007	
6.0	.154	.094	.051	.132	.081	.044	.091	.057	.031	.053	.033	.019	.017	.011	.006	
7.0	.147	.087	.045	.126	.075	.039	.087	.053	.028	.051	.031	.016	.016	.010	.005	
8.0	.140	.081	.040	.121	.070	.035	.084	.049	.025	.049	.029	.015	.016	.010	.005	
9.0	.134	.076	.037	.116	.066	.032	.080	.046	.023	.047	.027	.014	.015	.009	.004	
10.0	.129	.072	.034	.111	.062	.030	.077	.044	.021	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-03-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.400m [K=1.0000]
Remarks:

Uncorrected UGR Table

NAME: SLIMB330-3K					TYPE:3000K					WEIGHT:				
DIM.: D330*25mm					SPEC.:D330 Dimmable 3000K					SERIAL No.:1				
MFR.: EVERFINE					SUR.:0.268*0.268					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					21.0	22.5	21.3	22.7	22.9	21.0	22.5	21.3	22.7	23.0
3H					22.4	23.8	22.7	24.1	24.3	22.4	23.8	22.8	24.1	24.4
4H					22.9	24.3	23.3	24.5	24.8	23.0	24.3	23.3	24.6	24.9
6H					23.3	24.5	23.6	24.8	25.1	23.3	24.6	23.7	24.9	25.2
8H					23.4	24.6	23.7	24.9	25.2	23.4	24.6	23.8	24.9	25.3
12H					23.4	24.6	23.8	24.9	25.2	23.5	24.6	23.8	25.0	25.3
4H 2H					21.6	22.9	21.9	23.2	23.4	21.6	22.9	21.9	23.2	23.5
3H					23.2	24.3	23.5	24.6	25.0	23.2	24.3	23.6	24.7	25.0
4H					23.8	24.9	24.2	25.2	25.6	23.8	24.9	24.2	25.2	25.6
6H					24.3	25.2	24.7	25.6	26.0	24.3	25.3	24.7	25.6	26.0
8H					24.4	25.3	24.8	25.7	26.1	24.5	25.3	24.9	25.7	26.1
12H					24.5	25.3	24.9	25.7	26.1	24.5	25.3	25.0	25.7	26.2
8H 4H					24.0	24.9	24.5	25.3	25.7	24.1	24.9	24.5	25.3	25.7
6H					24.6	25.3	25.1	25.8	26.2	24.7	25.4	25.1	25.8	26.3
8H					24.8	25.5	25.3	25.9	26.4	24.9	25.5	25.4	26.0	26.4
12H					24.9	25.5	25.4	26.0	26.5	25.0	25.6	25.5	26.0	26.5
12H 4H					24.0	24.8	24.5	25.3	25.7	24.1	24.9	24.5	25.3	25.7
6H					24.7	25.3	25.1	25.8	26.2	24.7	25.3	25.2	25.8	26.3
8H					24.9	25.4	25.4	25.9	26.4	24.9	25.5	25.4	26.0	26.5
Variations with the observer position at spacings:														
S = 1.0H					+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H					+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H					+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117 Corrected 2021 lm Total Lamp Luminous Flux.(8log(F/F0) = 2.4)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-03-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.400m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: SLIMB330-3K	TYPE:3000K	WEIGHT:
DIM.: D330*25mm	SPEC.:D330 Dimmable 3000K	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.268*0.268	PROTECTION ANGLE:

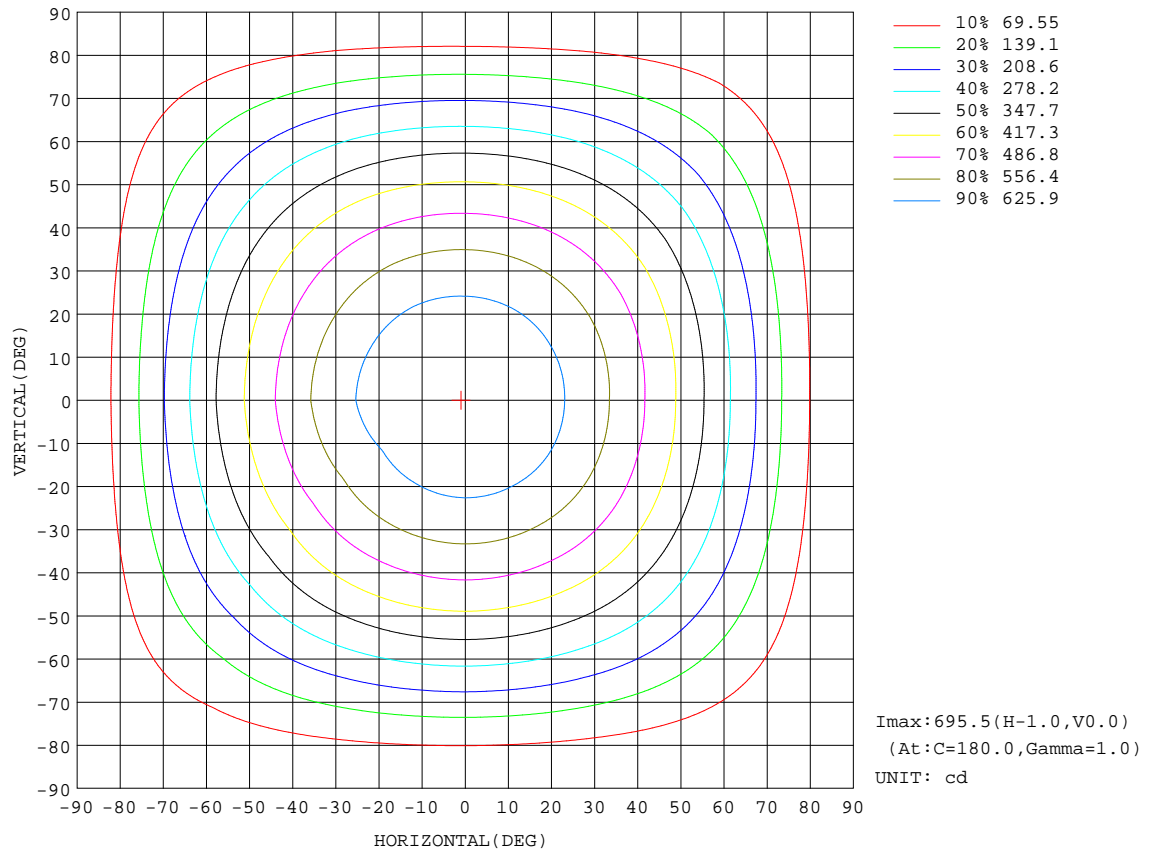
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	49
1.25	82	72	65	81	71	64	78	70	63	56
1.50	87	77	70	86	76	70	82	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	94	91	82
5.00	108	103	99	106	101	97	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: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-03-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.400m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: SLIMB330-3K	TYPE:3000K	WEIGHT:
DIM.: D330*25mm	SPEC.:D330 Dimmable 3000K	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.268*0.268	PROTECTION ANGLE:

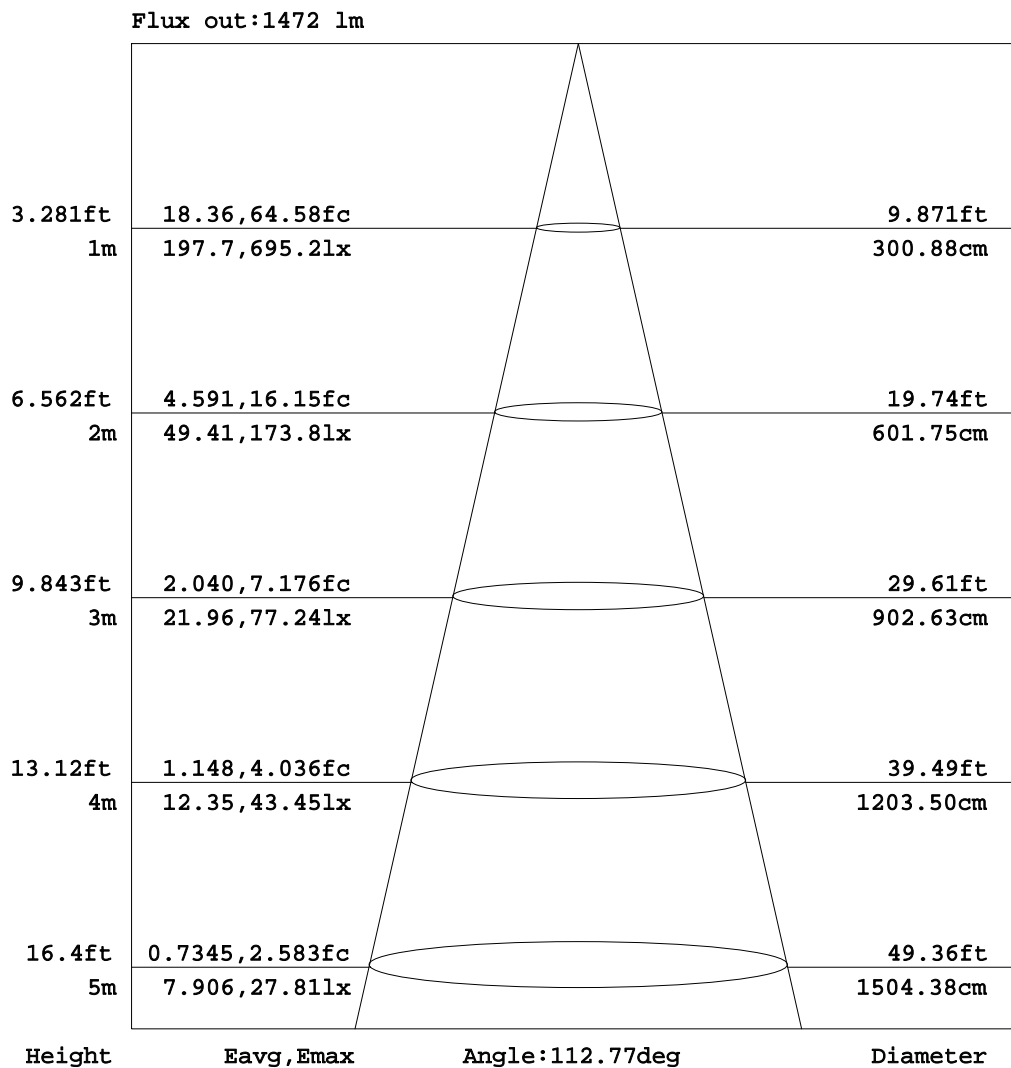


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2019-03-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity:65.0%
 Test Distance:6.400m [K=1.0000]
 Remarks:

AAI Figure

NAME: SLIMB330-3K	TYPE:3000K	WEIGHT:
DIM.: D330*25mm	SPEC.:D330 Dimmable 3000K	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.268*0.268	PROTECTION ANGLE:



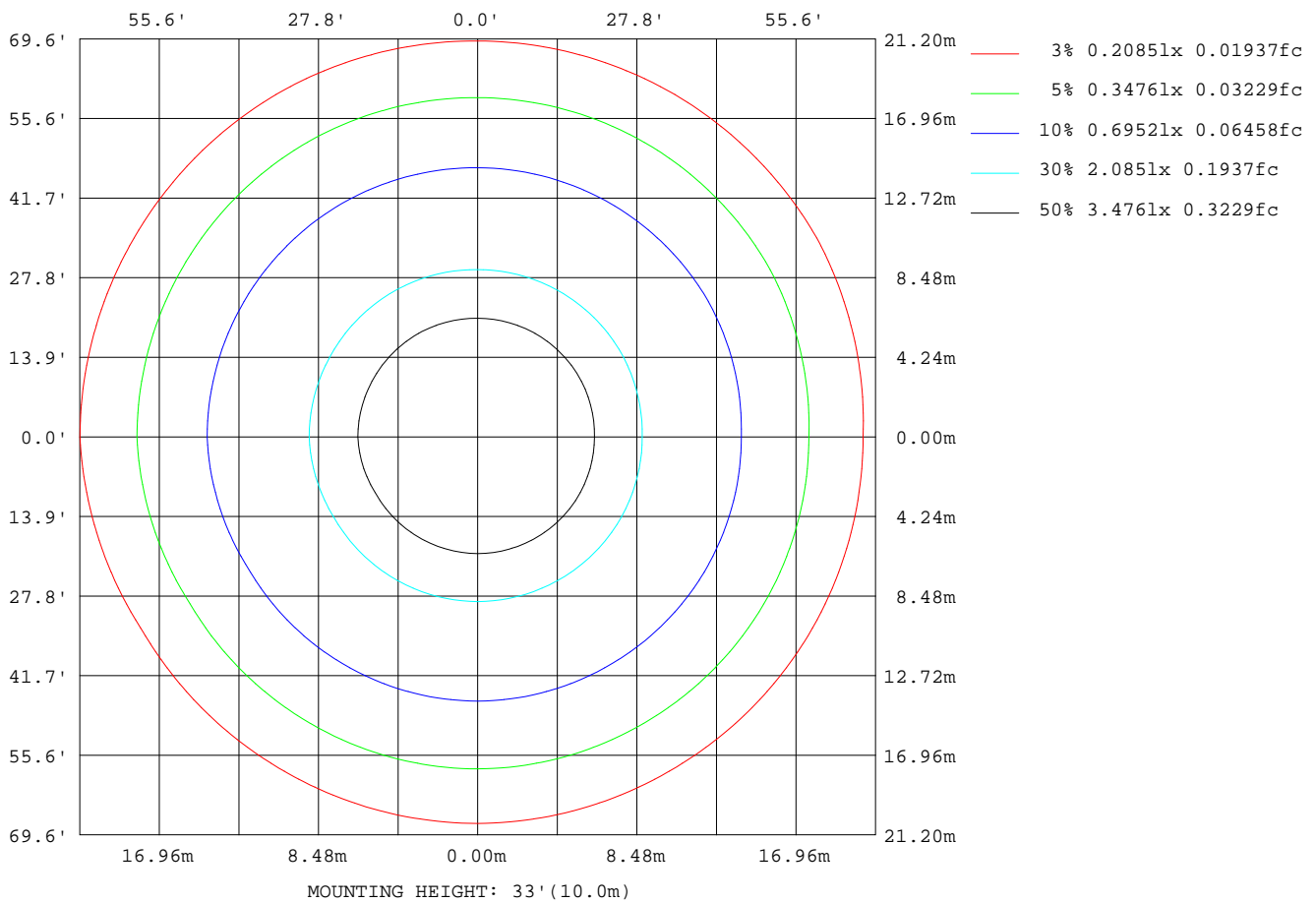
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-03-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.400m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

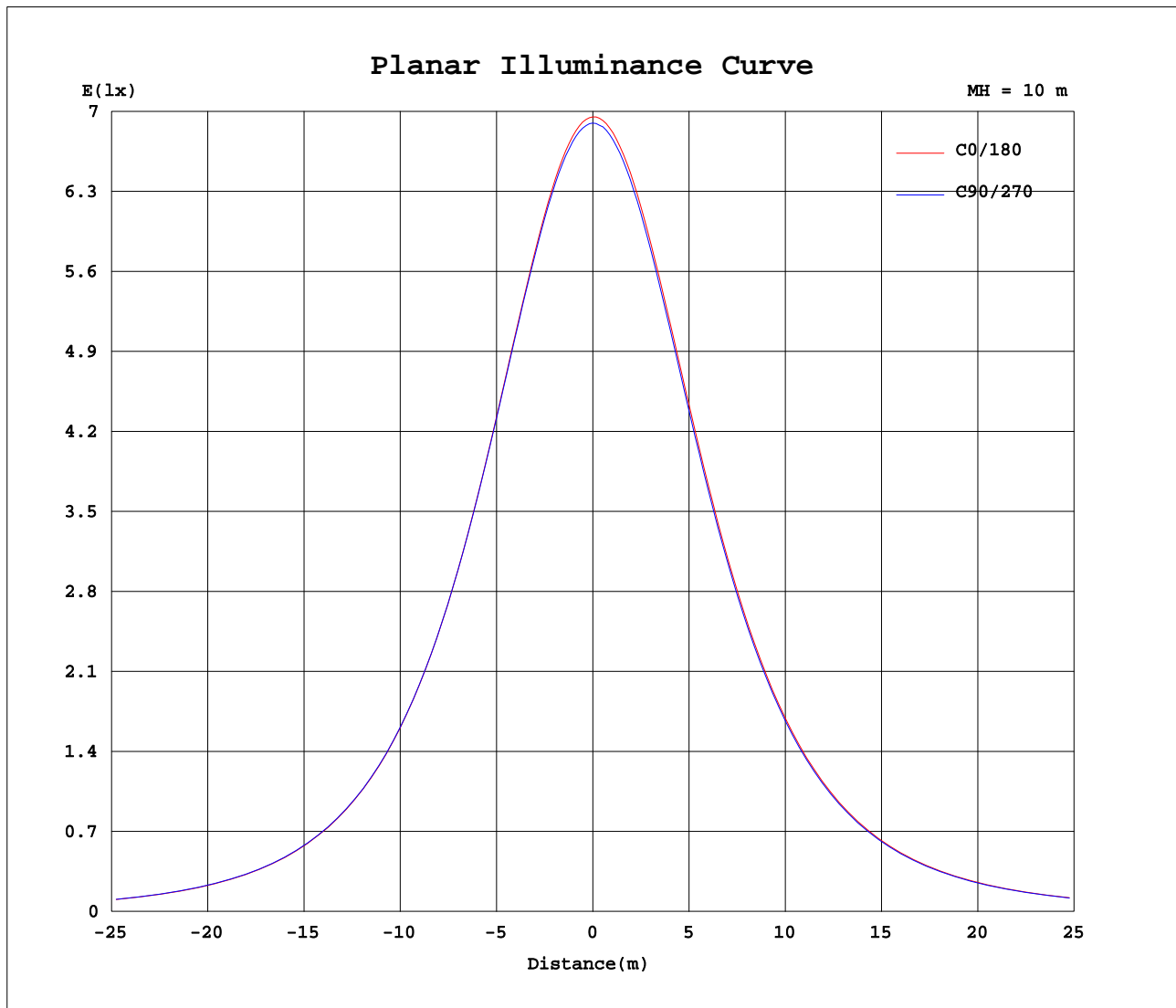
NAME: SLIMB330-3K	TYPE: 3000K	WEIGHT:
DIM.: D330*25mm	SPEC.: D330 Dimmable 3000K	SERIAL No.: 1
MFR.: EVERFINE	SUR.: 0.268*0.268	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2019-03-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity: 65.0%
Test Distance: 6.400m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2019-03-07

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.269
 Humidity: 65.0%
 Test Distance: 6.400m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: SLIMB330-3K	TYPE:3000K	WEIGHT:
DIM.: D330*25mm	SPEC.:D330 Dimmable 3000K	SERIAL No.:1
MFR.: EVERFINE	SUR.:0.268*0.268	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEC) γ (DEC)	0	30	60	90	120	150	180	210	240	270	300	330							
0	695	693	691	690	688	687	695	693	691	690	688	687							
5	691	689	687	686	684	684	693	691	689	688	686	685							
10	680	679	677	676	675	674	686	684	681	679	678	676							
15	664	662	661	661	659	659	672	669	668	665	664	662							
20	642	641	639	640	638	638	653	650	649	646	644	642							
25	614	614	612	613	611	611	628	625	624	621	619	617							
30	581	581	580	581	579	580	598	595	594	591	589	586							
35	544	544	542	544	542	543	562	560	559	556	554	551							
40	502	502	501	502	501	502	523	520	520	516	514	511							
45	455	455	454	456	455	456	478	476	475	472	470	466							
50	405	405	404	406	405	407	430	428	427	424	422	418							
55	352	352	351	353	353	354	378	376	376	372	370	366							
60	295	296	295	297	297	299	323	320	321	317	316	311							
65	237	238	237	240	239	242	265	263	264	261	259	255							
70	178	179	178	181	181	183	206	205	206	203	201	197							
75	120	121	121	123	123	125	147	147	147	145	143	139							
80	67.9	68.4	68.2	70.8	70.9	72.9	91.4	91.5	92.6	90.9	88.9	85.4							
85	24.7	24.9	24.4	26.1	26.3	27.7	42.8	42.6	44.2	42.2	41.5	38.4							
90	3.98	3.97	3.95	3.91	3.90	3.91	5.44	5.43	6.23	5.14	4.98	3.76							
95	4.24	4.22	4.21	4.17	4.16	4.15	2.31	2.30	2.29	2.31	2.31	2.30							
100	4.53	4.50	4.49	4.46	4.43	4.42	2.49	2.51	2.51	2.52	2.53	2.53							
105	4.82	4.78	4.77	4.75	4.72	4.70	2.75	2.76	2.76	2.78	2.78	2.78							
110	5.09	5.05	5.04	5.03	4.99	4.97	3.02	3.02	3.03	3.05	3.05	3.05							
115	5.35	5.31	5.30	5.29	5.25	5.23	3.30	3.31	3.30	3.33	3.32	3.33							
120	5.58	5.56	5.54	5.53	5.50	5.48	3.58	3.59	3.59	3.60	3.60	3.61							
125	5.79	5.78	5.76	5.75	5.72	5.70	3.88	3.90	3.90	3.91	3.91	3.91							
130	5.98	5.98	5.96	5.95	5.93	5.90	4.20	4.21	4.22	4.22	4.22	4.23							
135	6.16	6.16	6.14	6.13	6.12	6.10	4.52	4.54	4.54	4.54	4.55	4.56							
140	6.33	6.33	6.31	6.31	6.30	6.28	4.85	4.87	4.88	4.87	4.88	4.89							
145	6.50	6.51	6.48	6.49	6.48	6.45	5.18	5.20	5.22	5.20	5.22	5.23							
150	6.66	6.67	6.64	6.65	6.64	6.61	5.53	5.54	5.57	5.55	5.56	5.58							
155	6.80	6.81	6.78	6.80	6.78	6.75	5.89	5.89	5.92	5.90	5.90	5.93							
160	6.99	6.99	6.94	6.99	6.96	6.92	6.24	6.22	6.26	6.25	6.23	6.27							
165	7.16	7.16	7.12	7.16	7.13	7.10	6.57	6.54	6.58	6.58	6.55	6.58							
170	7.25	7.24	7.21	7.26	7.22	7.19	6.86	6.82	6.86	6.87	6.84	6.86							
175	7.30	7.29	7.27	7.31	7.27	7.26	7.10	7.06	7.09	7.09	7.07	7.07							
180	7.27	7.25	7.24	7.27	7.23	7.24	7.29	7.23	7.26	7.27	7.24	7.23							

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2019-03-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.269
Humidity:65.0%
Test Distance:6.400m [K=1.0000]
Remarks: