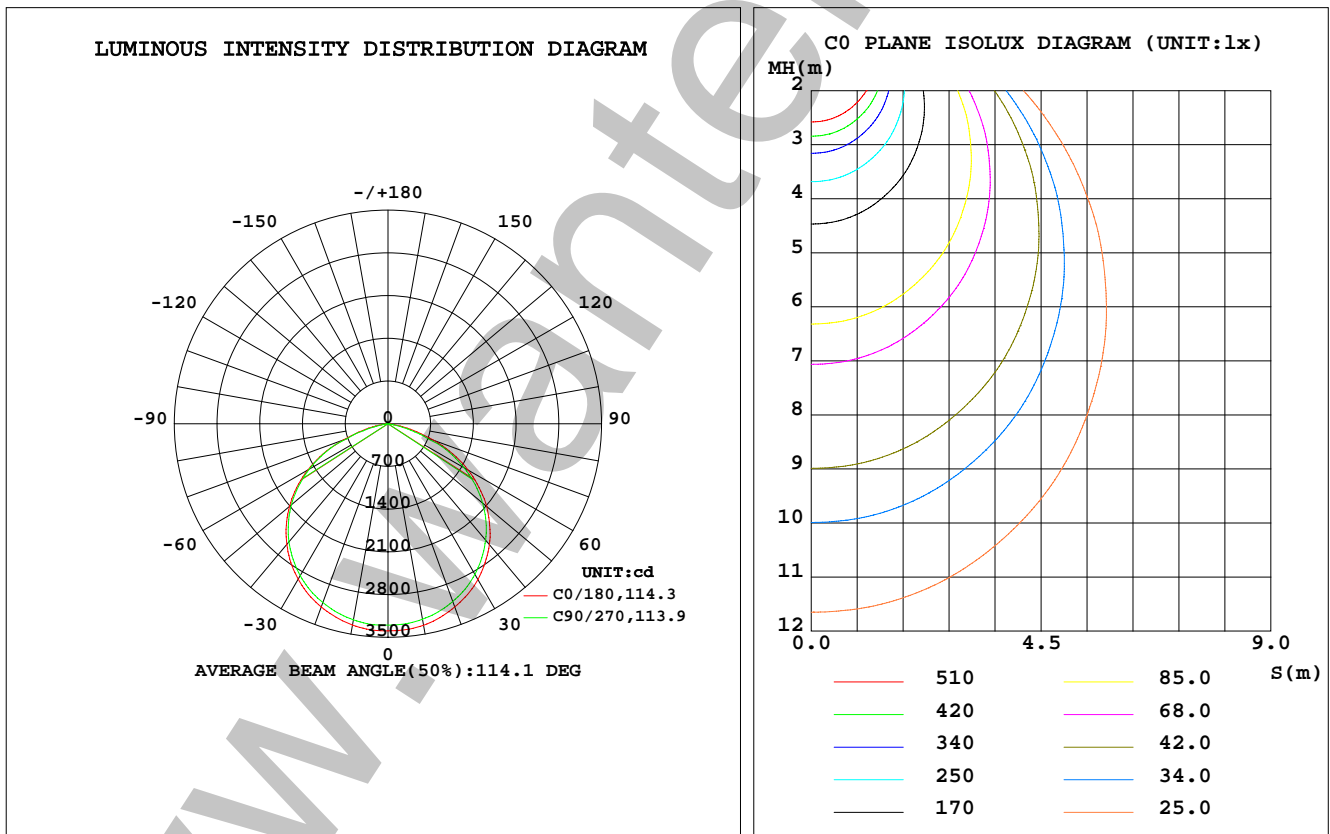


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 92.06 lm/W			
MODEL		I _{max} (cd)	3394	S/MH(C0/180)	1.29
NOMINAL POWER(W)		LOR(%)	100.0	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	9368.8	η UP, DN(C0-180)	0.3,49.5
NOMINAL FLUX(lm)	9368.8	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2,50.0
LAMPS INSIDE	1	η up(%)	0.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.0	η down(%)	99.5	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.540m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

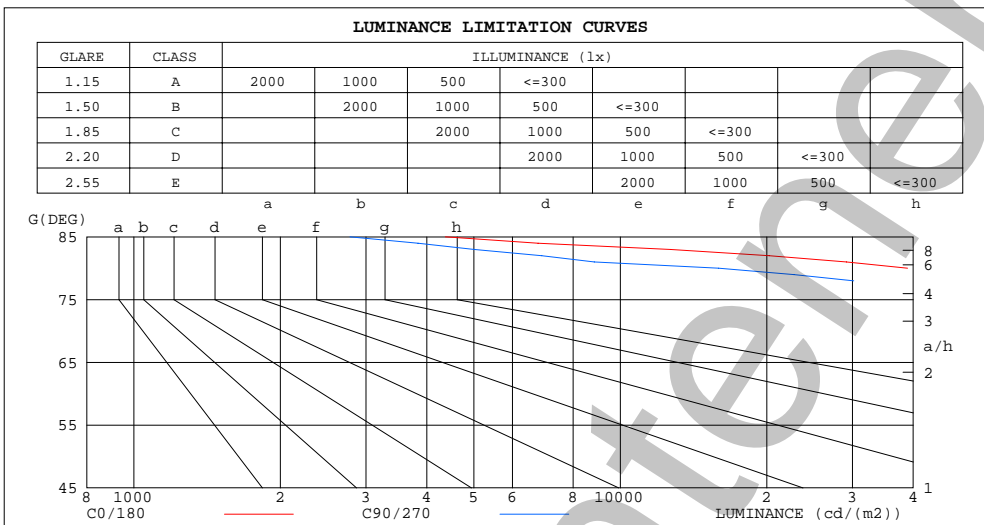
γ	C0	C90	C180	C270				γ	Φ zone	Φ total	lum, lamp
10	3352	3253	3350	3263				0- 10	317.7	317.7	3.39,3.39
20	3196	3100	3196	3119				10- 20	915.2	1233	13.2,13.2
30	2947	2848	2943	2876				20- 30	1403	2636	28.1,28.1
40	2585	2488	2581	2527				30- 40	1712	4347	46.4,46.4
50	2112	2026	2106	2066				40- 50	1791	6139	65.5,65.5
60	1512	1440	1514	1488				50- 60	1603	7742	82.6,82.6
70	806.4	668.2	777.3	711.1				60- 70	1128	8870	94.7,94.7
80	153.5	62.79	150.8	87.83				70- 80	425.1	9295	99.2,99.2
90	0.7534	0.6524	0.7553	0.5608				80- 90	25.26	9321	99.5,99.5
100	2.471	2.349	2.205	1.815				90-100	1.454	9322	99.5,99.5
110	5.222	5.156	4.722	4.137				100-110	3.641	9326	99.5,99.5
120	8.041	8.046	7.539	6.853				110-120	6.165	9332	99.6,99.6
130	10.59	10.61	9.905	9.158				120-130	7.940	9340	99.7,99.7
140	12.57	12.63	11.69	10.88				130-140	8.552	9348	99.8,99.8
150	14.13	14.20	13.09	12.31				140-150	7.918	9356	99.9,99.9
160	15.25	15.35	14.55	13.81				150-160	6.518	9363	99.9,99.9
170	16.10	16.14	16.69	15.83				160-170	4.348	9367	100,100
180	16.79	16.55	17.19	16.29				170-180	1.562	9369	100,100
DEG	LUMINOUS INTENSITY:cd								UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity:65.0%
 Test Distance:9.540m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



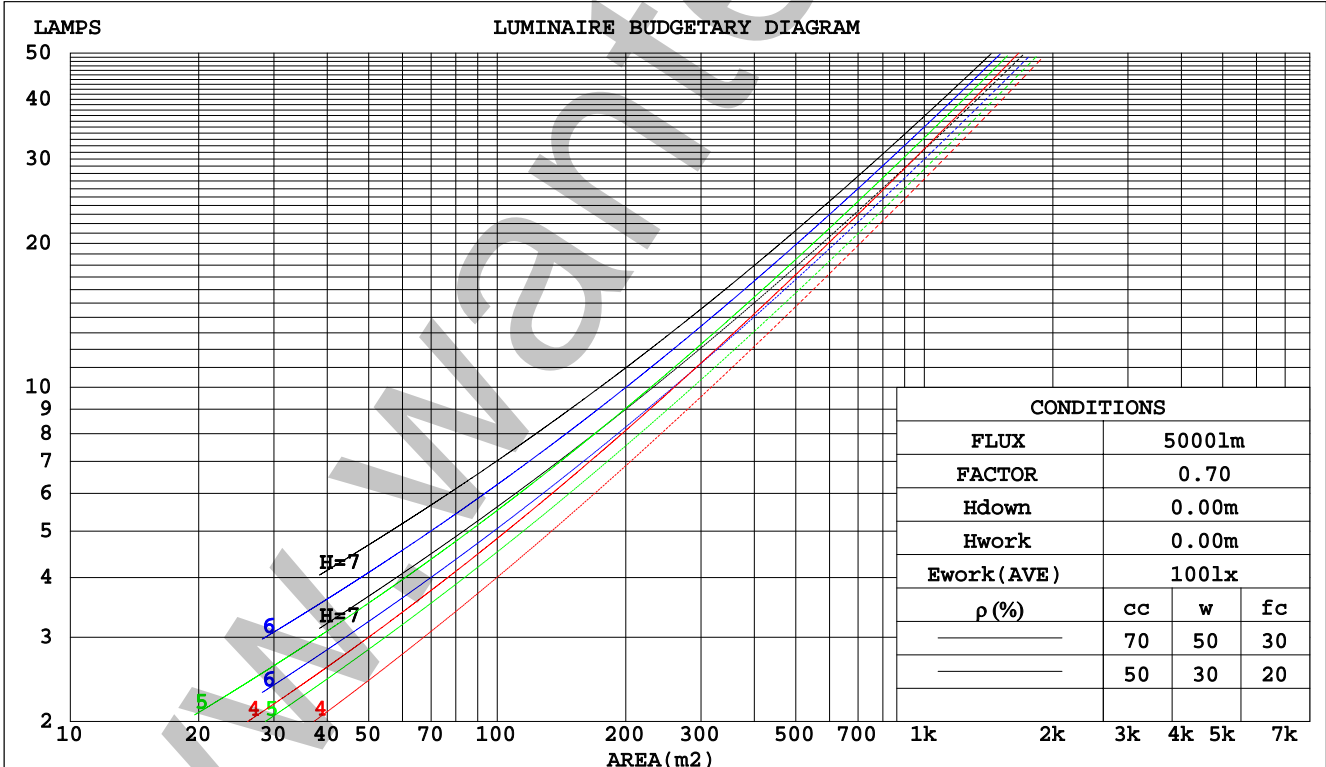
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc																0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.99
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.85
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.83	.79	.76	.80	.77	.74	.72
3.0	.81	.73	.67	.80	.72	.66	.77	.70	.65	.74	.68	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.71	.63	.56	.68	.61	.56	.66	.60	.55	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.49	.61	.54	.48	.59	.53	.48	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.49	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.37	.50	.43	.37	.48	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.29	.28
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.281	.160	.051	.274	.156	.050	.261	.149	.048	.248	.143	.046	.237	.137	.044	
2.0	.274	.150	.046	.267	.147	.045	.255	.142	.044	.245	.137	.043	.234	.133	.042	
3.0	.258	.137	.041	.252	.135	.041	.242	.131	.040	.232	.127	.039	.223	.123	.038	
4.0	.240	.125	.037	.236	.123	.036	.226	.120	.036	.218	.117	.035	.210	.114	.035	
5.0	.224	.114	.033	.220	.113	.033	.211	.110	.032	.204	.107	.032	.197	.105	.032	
6.0	.209	.105	.030	.205	.104	.030	.198	.101	.029	.191	.099	.029	.184	.097	.029	
7.0	.195	.097	.027	.192	.096	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026	
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.168	.085	.025	.163	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.079	.023	.154	.078	.023	
10.0	.162	.078	.022	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.194	.194	.194	.166	.166	.166	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.182	.160	.141	.156	.138	.121	.107	.095	.084	.061	.055	.049	.020	.018	.016	
2.0	.174	.136	.104	.149	.117	.090	.102	.081	.063	.059	.047	.037	.019	.015	.012	
3.0	.166	.118	.080	.142	.102	.069	.098	.071	.049	.056	.041	.029	.018	.013	.009	
4.0	.159	.105	.064	.136	.091	.055	.094	.063	.039	.054	.037	.023	.017	.012	.008	
5.0	.152	.094	.052	.130	.082	.045	.090	.057	.032	.052	.033	.019	.017	.011	.006	
6.0	.145	.086	.044	.124	.074	.038	.086	.052	.027	.050	.031	.016	.016	.010	.005	
7.0	.138	.079	.038	.119	.069	.033	.082	.048	.023	.048	.028	.014	.015	.009	.005	
8.0	.132	.073	.033	.113	.064	.029	.079	.045	.020	.046	.026	.012	.015	.009	.004	
9.0	.126	.068	.030	.108	.059	.026	.075	.042	.018	.044	.025	.011	.014	.008	.004	
10.0	.120	.064	.027	.104	.056	.023	.072	.039	.017	.042	.023	.010	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: Floodlight-100W		TYPE:					WEIGHT:				
SPEC.:		DIM.:					SERIAL No.:				
MFR.: EVERFINE		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	30.2	31.6	30.4	31.8	32.1	30.0	31.4	30.2	31.7	31.9	
3H	31.4	32.7	31.7	33.0	33.2	31.0	32.4	31.4	32.6	32.9	
4H	31.6	32.9	31.9	33.2	33.4	31.2	32.5	31.5	32.8	33.0	
6H	31.7	32.9	32.0	33.2	33.5	31.2	32.4	31.5	32.7	33.0	
8H	31.6	32.8	32.0	33.1	33.4	31.1	32.3	31.5	32.6	32.9	
12H	31.6	32.7	31.9	33.0	33.3	31.1	32.2	31.4	32.5	32.8	
4H 2H	30.7	32.0	31.0	32.2	32.5	30.5	31.8	30.8	32.1	32.3	
3H	32.0	33.1	32.3	33.4	33.7	31.7	32.8	32.1	33.1	33.4	
4H	32.3	33.3	32.7	33.7	34.0	31.9	32.9	32.3	33.3	33.6	
6H	32.4	33.3	32.8	33.7	34.0	31.9	32.8	32.3	33.2	33.6	
8H	32.4	33.2	32.8	33.6	34.0	31.9	32.7	32.3	33.1	33.5	
12H	32.3	33.1	32.8	33.5	33.9	31.8	32.6	32.3	33.0	33.4	
8H 4H	32.3	33.2	32.8	33.6	33.9	32.0	32.8	32.4	33.2	33.6	
6H	32.5	33.2	32.9	33.6	34.0	32.0	32.7	32.5	33.1	33.5	
8H	32.4	33.1	32.9	33.5	33.9	32.0	32.6	32.4	33.0	33.5	
12H	32.4	32.9	32.9	33.4	33.9	31.9	32.5	32.4	32.9	33.4	
12H 4H	32.3	33.1	32.7	33.5	33.9	32.0	32.7	32.4	33.1	33.5	
6H	32.4	33.0	32.9	33.5	33.9	32.0	32.6	32.4	33.0	33.5	
8H	32.4	32.9	32.9	33.4	33.9	31.9	32.5	32.4	32.9	33.4	
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4					
1.5H	+ 0.2 / - 0.4					+ 0.3 / - 0.4					
2.0H	+ 0.4 / - 0.5					+ 0.4 / - 0.5					

CIE Pub.117 Corrected 9369 lm Total Lamp Luminous Flux. (8log(F/F0) = 7.8)

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

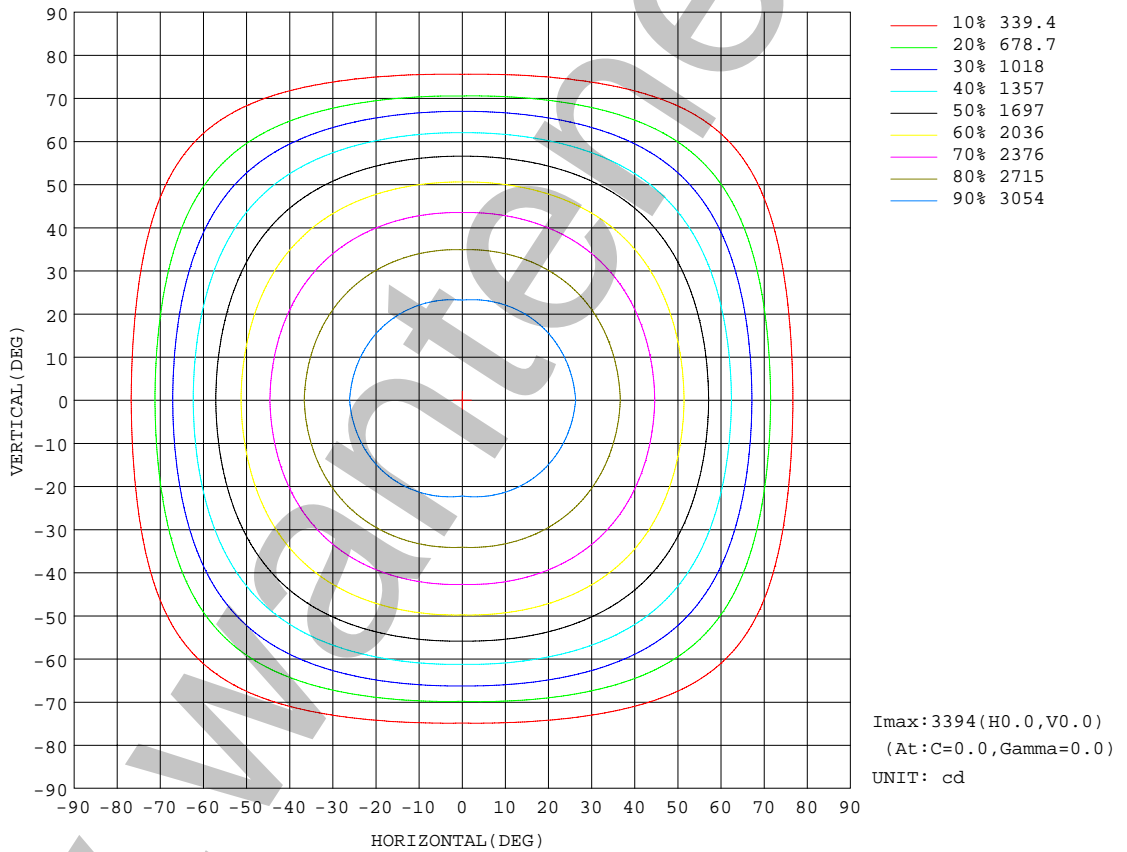
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	47	40	56	46	40	33
0.80	69	57	50	68	57	50	66	56	49	43
1.00	77	67	59	76	66	59	74	67	59	52
1.25	85	74	68	83	74	67	80	72	66	59
1.50	90	80	74	88	79	73	85	77	72	65
2.00	96	88	82	95	87	82	91	85	80	72
2.50	100	93	87	98	92	86	94	89	84	76
3.00	104	97	92	101	96	91	97	93	89	80
4.00	107	102	98	105	100	96	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNM = 1.25			

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

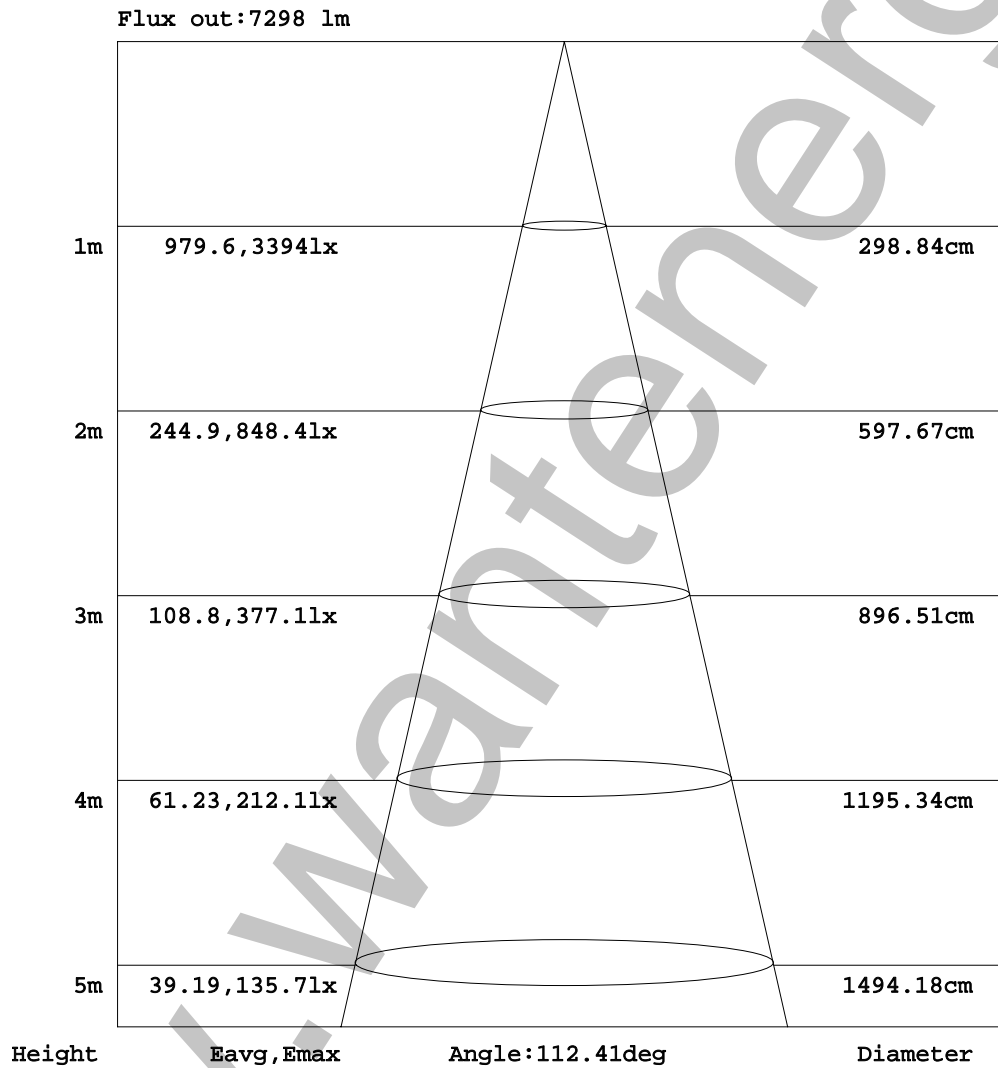


C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

AAI Figure

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



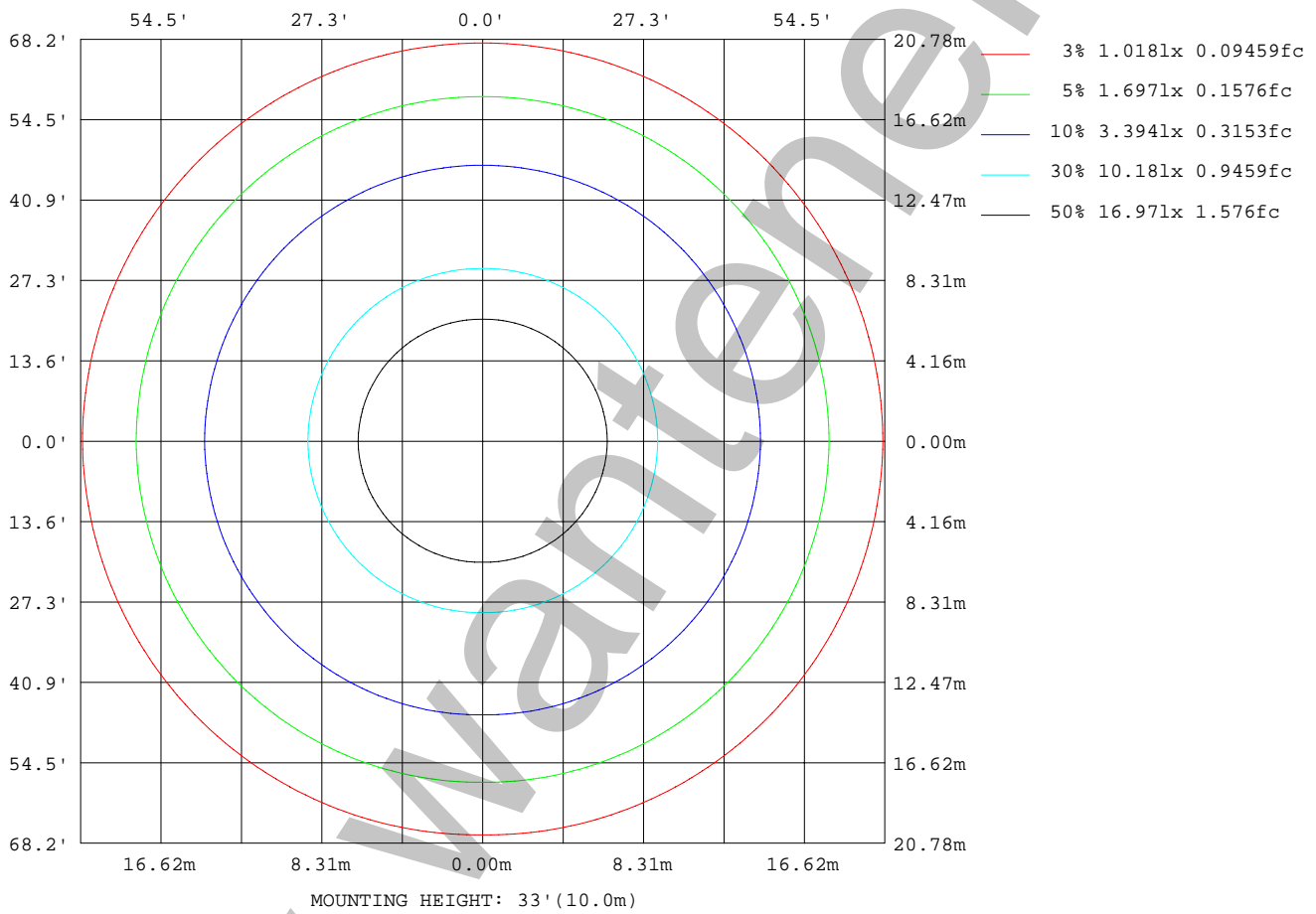
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

LED Avg.L Report

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

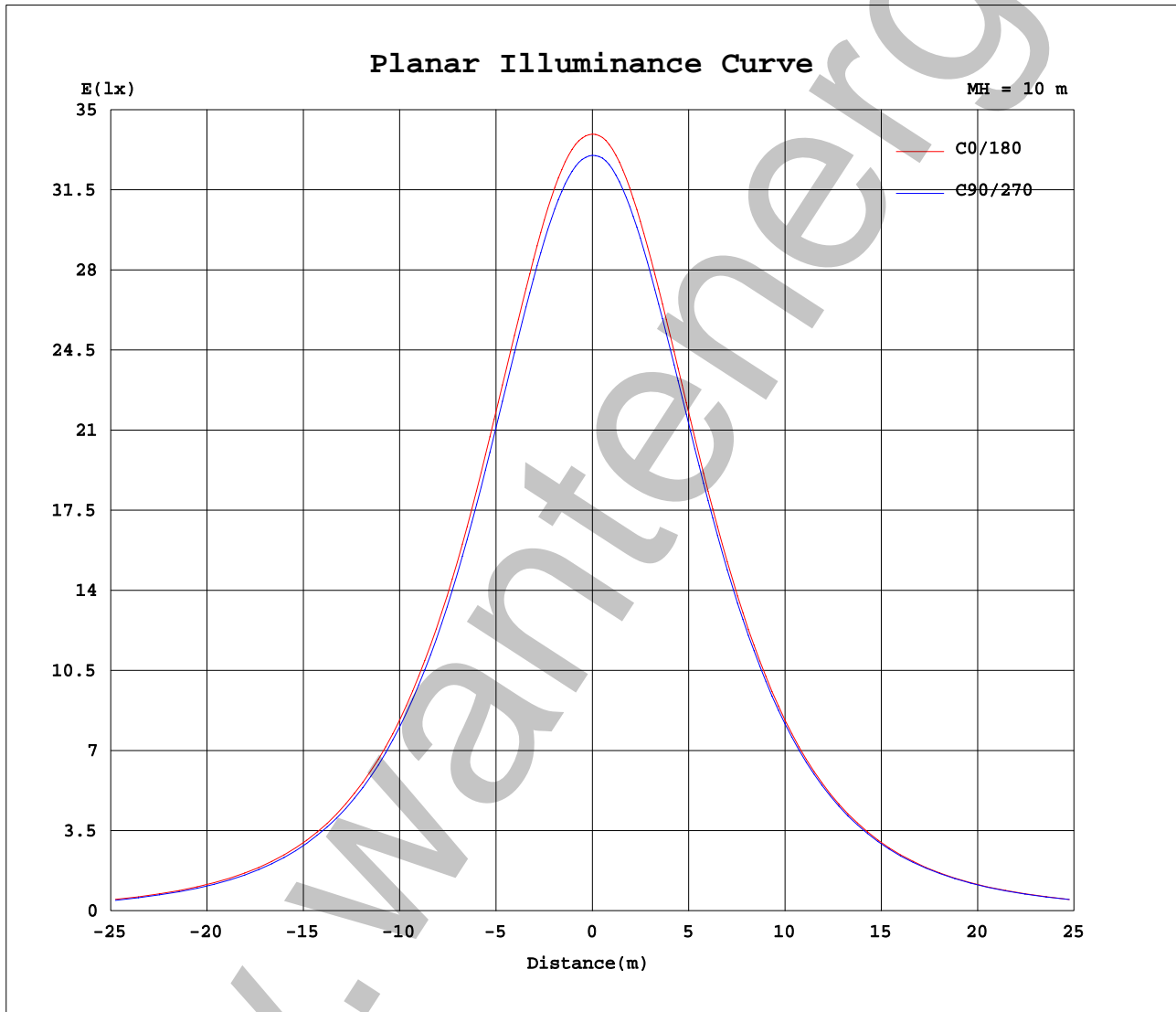
AvgL	cd/m2
L_0~180(65)av	122865
L_0~180(75)av	74197
L_0~180(85)av	4831
L_90~270(65)av	118142
L_90~270(75)av	59139
L_90~270(85)av	3336
L_45(65)av	119953
L_45(75)av	64793
L_45(85)av	3926

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: Floodlight-100W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	90	180	270																
0	3394	3301	3394	3301																
5	3387	3290	3387	3298																
10	3352	3253	3350	3263																
15	3289	3190	3284	3203																
20	3196	3100	3196	3119																
25	3087	2990	3085	3013																
30	2947	2848	2943	2876																
35	2775	2682	2775	2711																
40	2585	2488	2581	2527																
45	2357	2272	2355	2309																
50	2112	2026	2106	2066																
55	1824	1749	1829	1791																
60	1512	1440	1514	1488																
65	1172	1108	1185	1159																
70	806	668	777	711																
75	435	331	437	364																
80	154	62.8	151	87.8																
85	8.65	5.50	10.5	7.70																
90	0.75	0.65	0.76	0.56																
95	1.45	1.31	1.32	1.04																
100	2.47	2.35	2.20	1.81																
105	3.78	3.68	3.35	2.88																
110	5.22	5.16	4.72	4.14																
115	6.68	6.64	6.13	5.53																
120	8.04	8.05	7.54	6.85																
125	9.38	9.37	8.77	8.03																
130	10.6	10.6	9.91	9.16																
135	11.7	11.7	10.8	10.1																
140	12.6	12.6	11.7	10.9																
145	13.4	13.4	12.2	11.5																
150	14.1	14.2	13.1	12.3																
155	14.8	14.9	13.9	13.1																
160	15.3	15.4	14.6	13.8																
165	15.7	15.7	15.4	14.7																
170	16.1	16.1	16.7	15.8																
175	16.4	16.2	17.0	16.2																
180	16.8	16.5	17.2	16.3																

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 12 April 2019

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.295
 Humidity: 65.0%
 Test Distance: 9.540m [K=1.0000]
 Remarks: