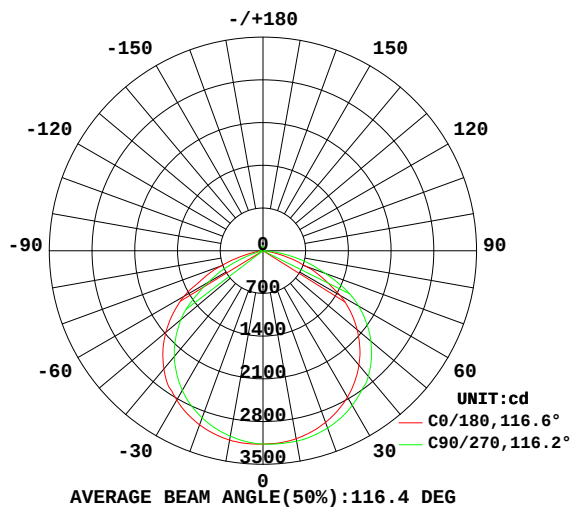


LUMINAIRE PHOTOMETRIC TEST REPORT

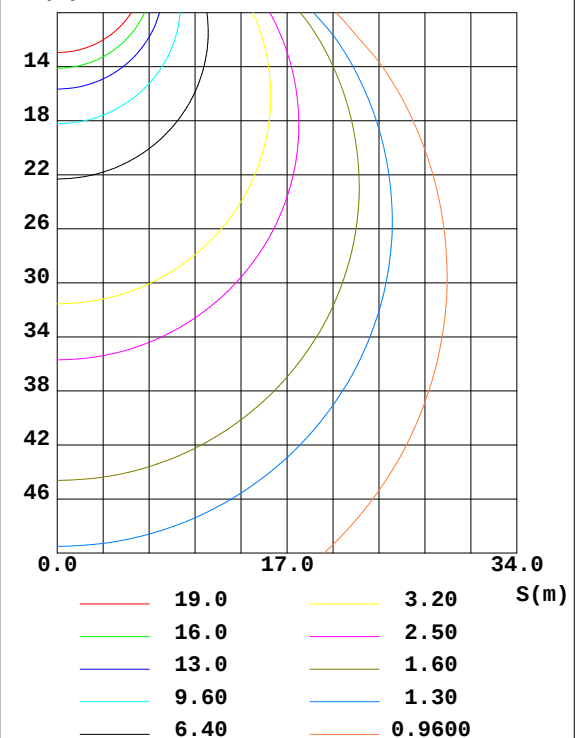
Test:U:230.4V I:0.8730A P:94.80W PF:0.4720 Lamp Flux:9363.54x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.77 lm/W			
MODEL	100W泛光灯	I _{max} (cd)	3173	S/MH(C0/180)	1.30
NOMINAL POWER(W)	96	LOR(%)	100.0	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	9363.5	η UP, DN(C0-180)	1.2, 52.3
NOMINAL FLUX(lm)	9363.54	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.6, 45.0
LAMPS INSIDE	1	η up(%)	2.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.4	η down(%)	97.2	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.250m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C90	C180	C270					γ	Φ zone	Φ total	%lum, lamp
10	3127	3168	3150	3085					0- 10	300.8	300.8	3.21, 3.21
20	2994	3091	3036	2914					10- 20	870.8	1172	12.5, 12.5
30	2770	2926	2825	2643					20- 30	1343	2515	26.9, 26.9
40	2447	2685	2526	2261					30- 40	1657	4172	44.6, 44.6
50	2014	2309	2078	1758					40- 50	1753	5925	63.3, 63.3
60	1457	1807	1498	1031					50- 60	1570	7495	80, 80
70	755.3	1089	731.5	345.1					60- 70	1081	8575	91.6, 91.6
80	160.1	406.2	131.0	28.39					70- 80	452.0	9027	96.4, 96.4
90	20.04	30.53	23.82	27.23					80- 90	77.82	9105	97.2, 97.2
100	24.29	21.69	30.55	34.39					90-100	27.81	9133	97.5, 97.5
110	29.55	26.38	37.84	41.57					100-110	32.51	9165	97.9, 97.9
120	35.17	31.78	44.63	47.77					110-120	36.56	9202	98.3, 98.3
130	40.59	37.22	50.52	53.10					120-130	38.20	9240	98.7, 98.7
140	46.49	42.80	55.97	58.16					130-140	37.17	9277	99.1, 99.1
150	53.21	49.28	61.29	62.87					140-150	33.68	9311	99.4, 99.4
160	60.48	56.91	66.30	67.10					150-160	27.55	9339	99.7, 99.7
170	66.95	64.28	69.92	69.60					160-170	18.45	9357	99.9, 99.9
180	70.51	69.61	70.91	68.97					170-180	6.564	9364	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

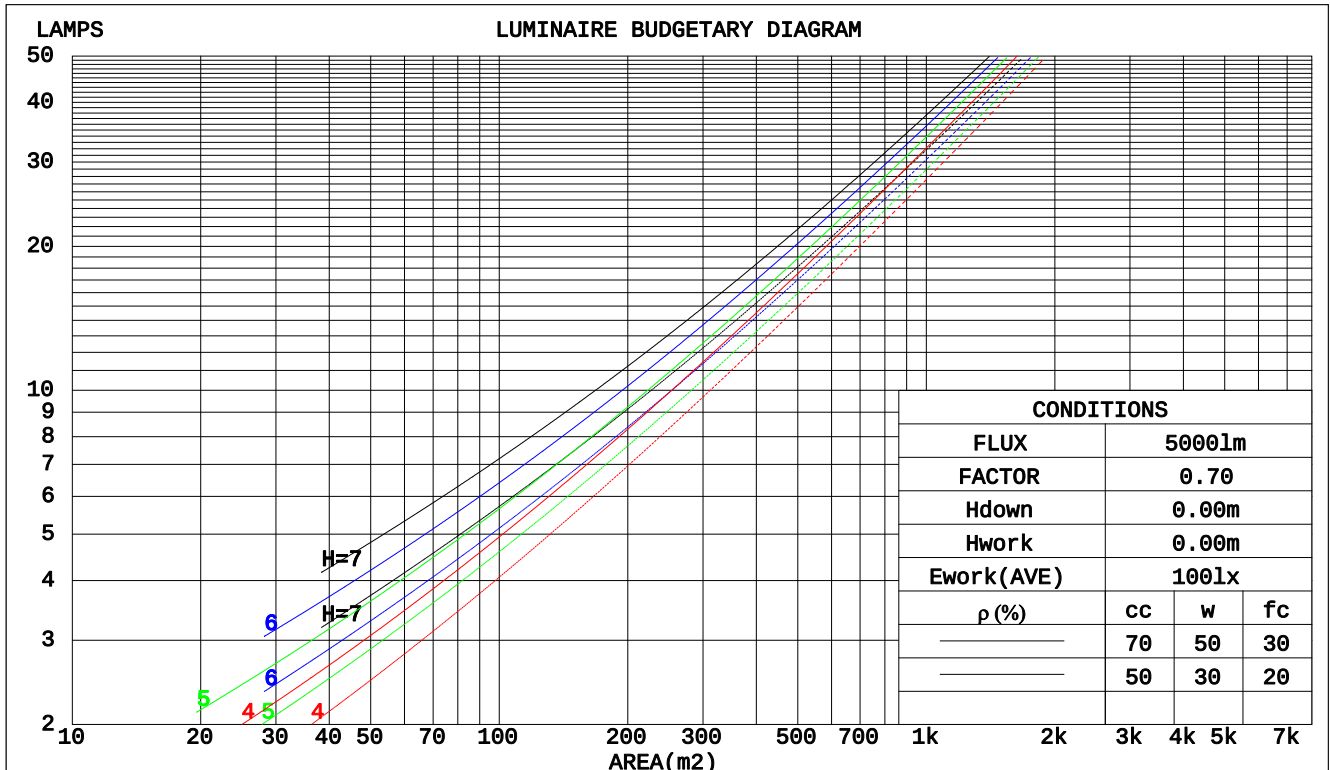
C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.4V I:0.8730A P:94.80W PF:0.4720 Lamp Flux:9363.54x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	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	Coefficients of Utilization(CU)															
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.04	1.00	.97	1.02	.98	.95	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.91	.85	.79	.89	.83	.78	.85	.80	.76	.82	.77	.74	.78	.75	.72	.69
3.0	.80	.72	.66	.78	.71	.65	.75	.69	.64	.72	.67	.62	.69	.65	.61	.59
4.0	.71	.62	.56	.70	.62	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.55	.48	.62	.54	.48	.60	.52	.47	.57	.51	.46	.55	.50	.45	.43
6.0	.57	.48	.42	.56	.48	.42	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.52	.43	.37	.51	.42	.37	.49	.42	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.39	.33	.46	.38	.33	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.4V I:0.8730A P:94.80W PF:0.4720 Lamp Flux:9363.54x1 lm									
NAME:				TYPE:				WEIGHT:	
DIM.:				SPEC.:				SERIAL No.:	
MFR.: EVERFINE				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 Coefficients(WEC)										
0.0																	
1.0	.288	.164	.052	.281	.160	.051	.266	.152	.049	.252	.146	.047	.240	.139	.045		
2.0	.277	.152	.047	.270	.149	.046	.257	.143	.044	.245	.138	.043	.234	.132	.042		
3.0	.260	.138	.041	.254	.136	.041	.242	.131	.040	.231	.127	.039	.222	.123	.038		
4.0	.242	.126	.037	.236	.124	.037	.226	.120	.036	.217	.116	.035	.208	.113	.034		
5.0	.225	.115	.033	.220	.113	.033	.211	.110	.032	.202	.107	.032	.194	.104	.031		
6.0	.210	.105	.030	.205	.104	.030	.197	.101	.029	.189	.098	.029	.182	.096	.028		
7.0	.196	.097	.027	.192	.096	.027	.184	.093	.027	.177	.091	.026	.171	.089	.026		
8.0	.183	.090	.025	.180	.088	.025	.173	.086	.025	.167	.084	.024	.161	.082	.024		
9.0	.172	.083	.023	.169	.082	.023	.163	.080	.023	.157	.079	.023	.152	.077	.022		
10.0	.162	.078	.022	.159	.077	.021	.153	.075	.021	.148	.074	.021	.143	.072	.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	.212	.212	.212	.181	.181	.181	.123	.123	.123	.071	.071	.071	.023	.023	.023	
1.0	.200	.178	.157	.171	.152	.135	.117	.105	.094	.067	.061	.054	.022	.020	.018	
2.0	.192	.153	.121	.164	.132	.105	.113	.091	.073	.065	.053	.043	.021	.017	.014	
3.0	.184	.136	.097	.158	.117	.084	.108	.081	.059	.063	.047	.035	.020	.015	.011	
4.0	.177	.122	.081	.152	.106	.070	.104	.074	.050	.060	.043	.029	.019	.014	.010	
5.0	.169	.112	.070	.146	.097	.061	.100	.068	.043	.058	.040	.025	.019	.013	.008	
6.0	.163	.104	.061	.140	.090	.053	.096	.063	.038	.056	.037	.022	.018	.012	.007	
7.0	.156	.097	.055	.134	.084	.048	.093	.059	.034	.054	.035	.020	.017	.011	.007	
8.0	.150	.091	.051	.129	.079	.044	.089	.055	.031	.052	.033	.019	.017	.011	.006	
9.0	.144	.086	.047	.124	.075	.041	.086	.053	.029	.050	.031	.017	.016	.010	.006	
10.0	.138	.082	.044	.119	.071	.039	.083	.050	.028	.048	.030	.016	.016	.010	.005	

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:230.4V I:0.8730A P:94.80W PF:0.4720 Lamp Flux:9363.54x1 lm											
NAME:					TYPE:			WEIGHT:			
DIM.:					SPEC.:			SERIAL No.:			
MFR.: EVERFINE					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	29.1	30.5	29.4	30.8	31.0	29.8	31.2	30.1	31.5	31.7
	3H	30.3	31.6	30.6	31.9	32.2	31.3	32.7	31.7	32.9	33.2
	4H	30.6	31.8	30.9	32.1	32.4	31.9	33.2	32.3	33.5	33.8
	6H	30.6	31.8	31.0	32.2	32.5	32.2	33.4	32.6	33.8	34.1
	8H	30.6	31.8	31.0	32.1	32.4	32.3	33.5	32.7	33.8	34.1
	12H	30.6	31.7	31.0	32.0	32.4	32.3	33.4	32.7	33.8	34.1
4H	2H	29.7	31.0	30.1	31.3	31.6	30.3	31.6	30.7	31.9	32.2
	3H	31.1	32.2	31.5	32.5	32.9	32.0	33.1	32.4	33.4	33.8
	4H	31.5	32.5	31.9	32.9	33.2	32.7	33.7	33.1	34.0	34.4
	6H	31.6	32.5	32.1	32.9	33.3	33.1	34.0	33.5	34.4	34.8
	8H	31.6	32.4	32.1	32.9	33.3	33.2	34.0	33.7	34.4	34.9
	12H	31.6	32.3	32.1	32.8	33.2	33.3	34.0	33.7	34.4	34.9
8H	4H	31.7	32.5	32.2	32.9	33.4	32.8	33.6	33.2	34.0	34.5
	6H	31.9	32.6	32.4	33.1	33.6	33.3	34.0	33.8	34.4	34.9
	8H	32.0	32.6	32.5	33.0	33.5	33.5	34.1	34.0	34.5	35.0
	12H	32.0	32.5	32.5	33.0	33.5	33.6	34.1	34.1	34.6	35.1
12H	4H	31.7	32.5	32.2	32.9	33.4	32.8	33.5	33.2	33.9	34.4
	6H	32.0	32.6	32.5	33.0	33.5	33.3	33.9	33.8	34.4	34.9
	8H	32.0	32.5	32.5	33.0	33.5	33.5	34.0	34.0	34.5	35.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.5					+ 0.1 / - 0.3					
2.0H	+ 0.2 / - 0.5					+ 0.2 / - 0.4					

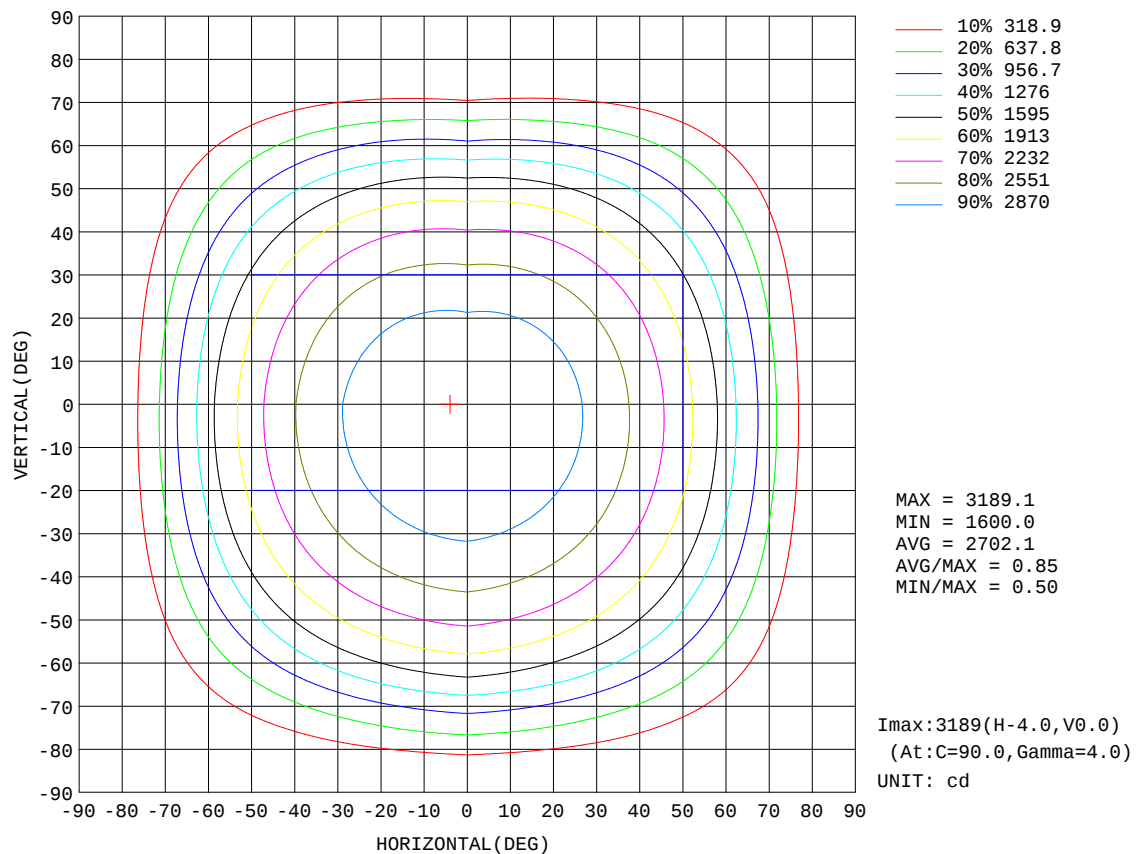
CIE Pub.117 Corrected 9364 lm Total Lamp Luminous Flux.(8log(F/F0) = 7.8)

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-03-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.4V I:0.8730A P:94.80W PF:0.4720 Lamp Flux:9363.54x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

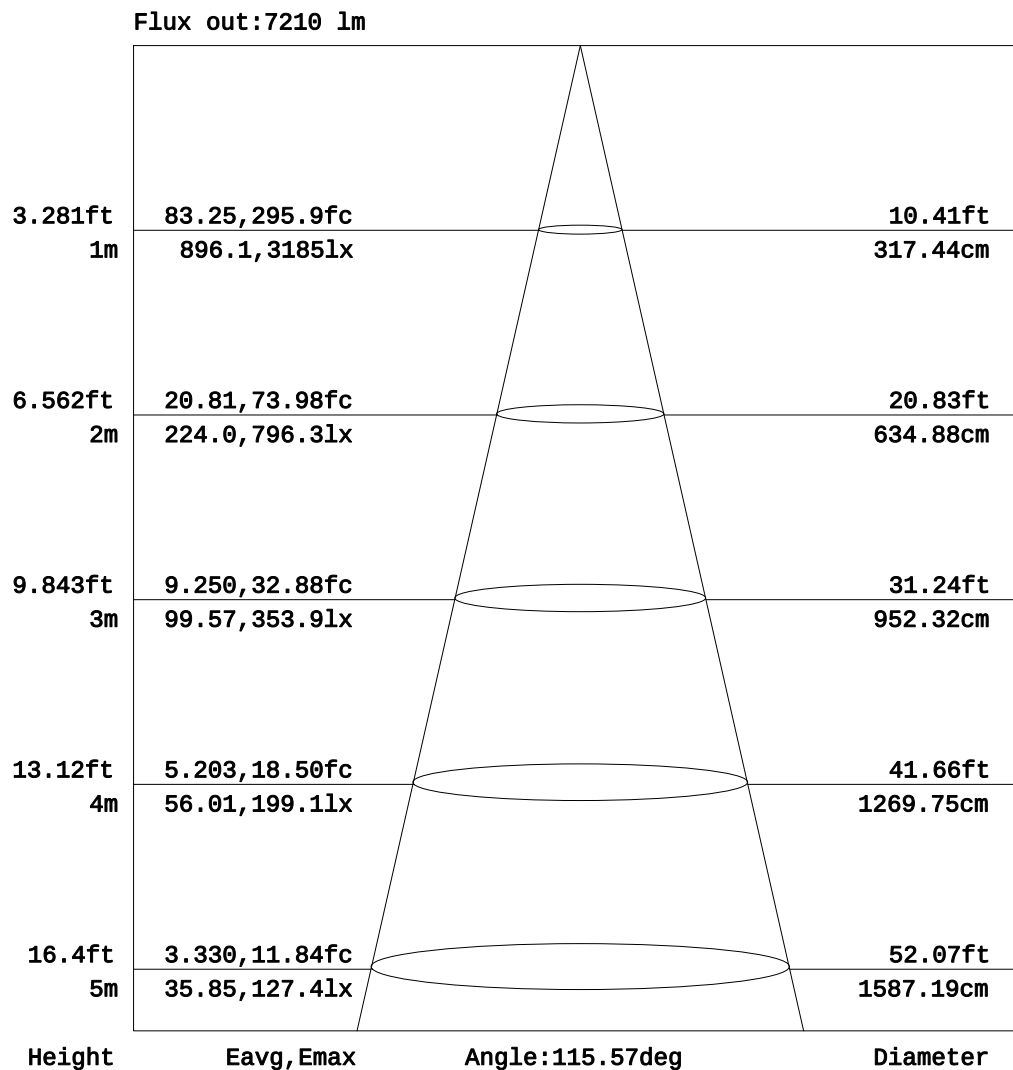


C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.250m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.4V I:0.8730A P:94.80W PF:0.4720 Lamp Flux:9363.54x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



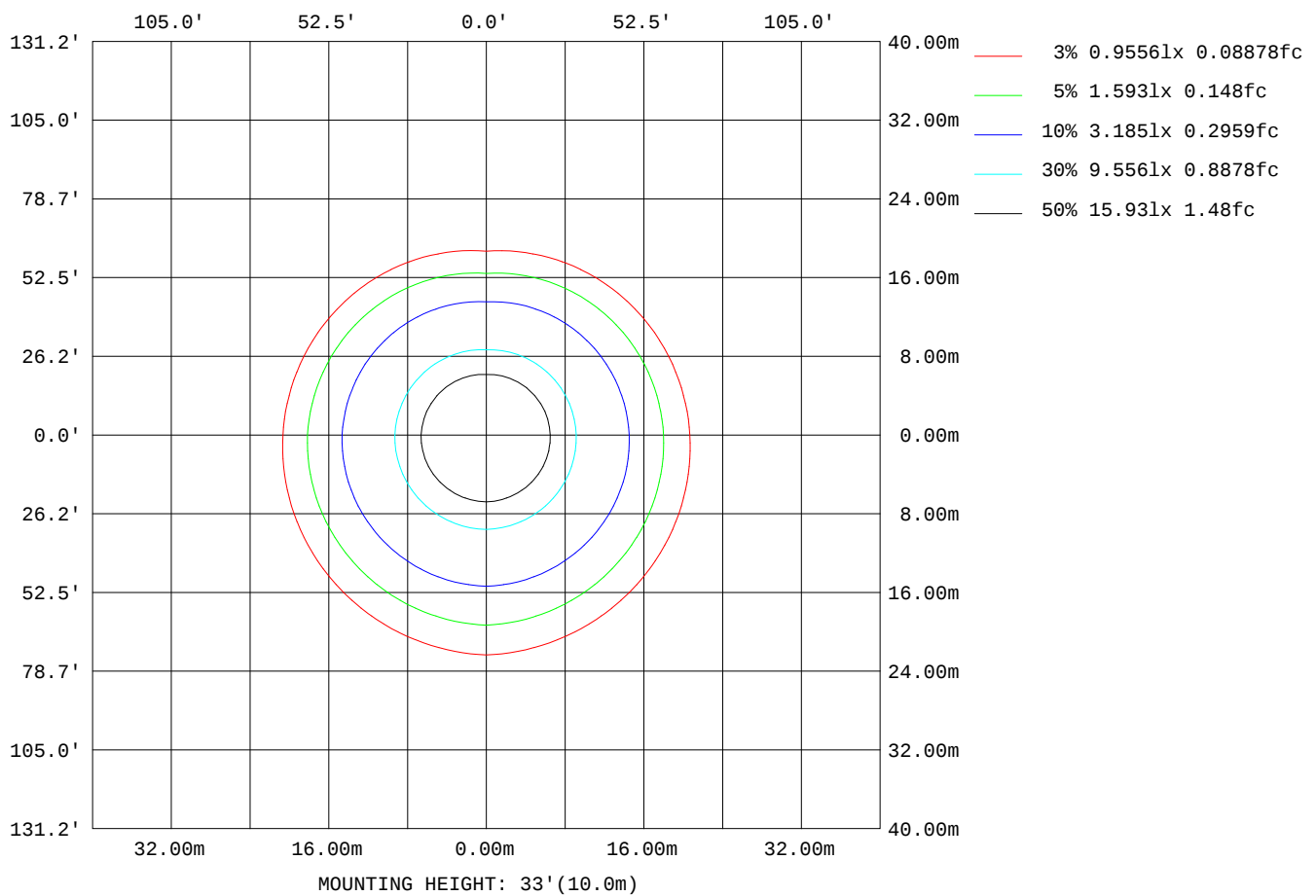
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-03-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

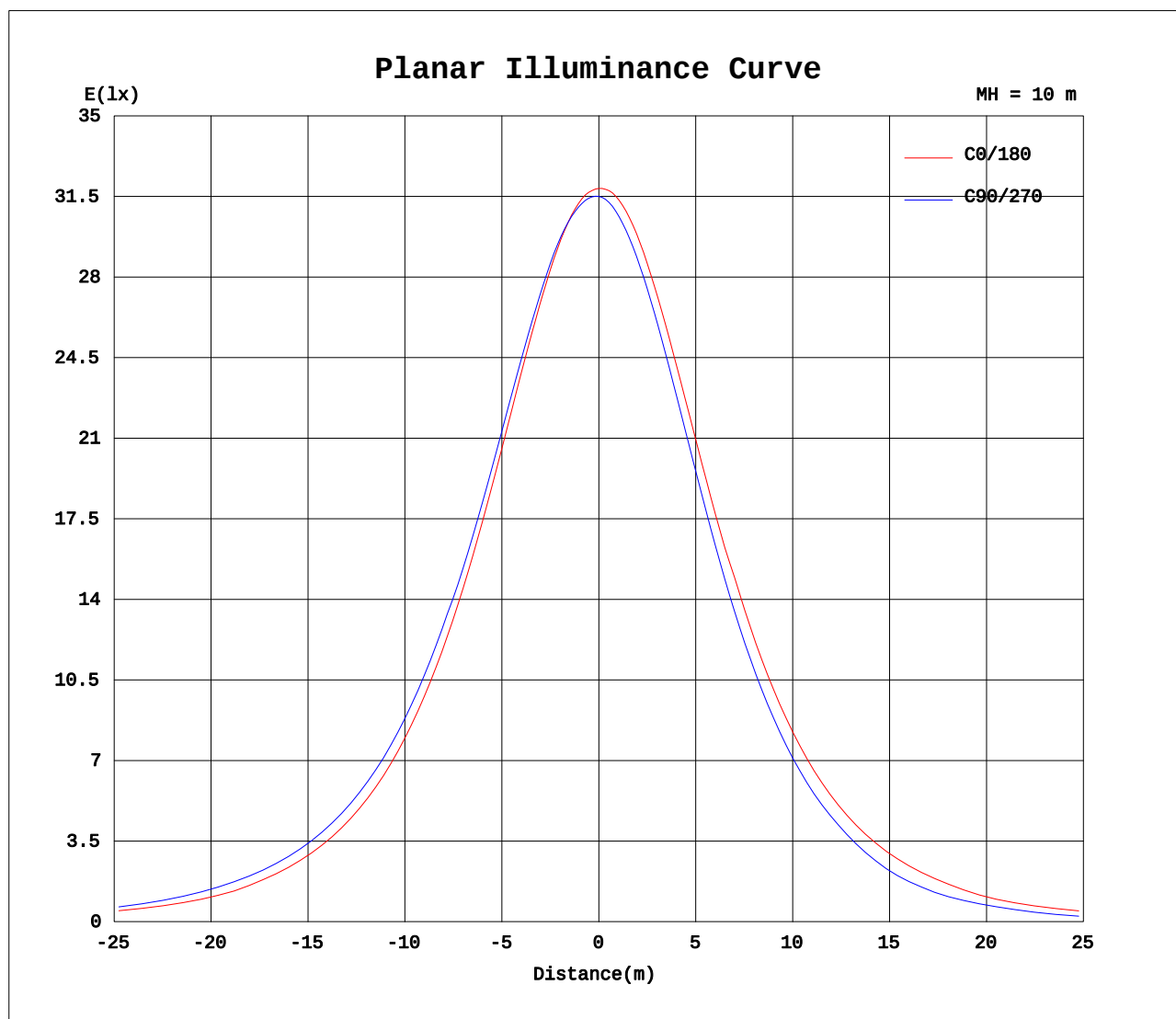
Test:U:230.4V I:0.8730A P:94.80W PF:0.4720 Lamp Flux:9363.54x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 90.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2021-03-13

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [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: 2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.250m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.8730A P:94.80W PF:0.4720 Lamp Flux:9363.54x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	90	180	270															
0	3168	3168	3168	3168															
5	3159	3173	3170	3139															
10	3127	3168	3150	3085															
15	3072	3141	3104	3012															
20	2994	3091	3036	2914															
25	2893	3022	2945	2793															
30	2770	2926	2825	2643															
35	2620	2808	2706	2466															
40	2447	2685	2526	2261															
45	2244	2512	2321	2022															
50	2014	2309	2078	1758															
55	1754	2073	1803	1413															
60	1457	1807	1498	1031															
65	1100	1482	1093	709															
70	755	1089	731	345															
75	417	756	392	94.4															
80	160	406	131	28.4															
85	32.6	133	31.2	24.0															
90	20.0	30.5	23.8	27.2															
95	22.0	19.9	27.0	30.7															
100	24.3	21.7	30.6	34.4															
105	26.8	23.9	34.2	38.0															
110	29.6	26.4	37.8	41.6															
115	32.4	29.0	41.4	44.8															
120	35.2	31.8	44.6	47.8															
125	37.9	34.5	47.7	50.5															
130	40.6	37.2	50.5	53.1															
135	43.4	39.9	53.3	55.6															
140	46.5	42.8	56.0	58.2															
145	49.8	45.9	58.7	60.5															
150	53.2	49.3	61.3	62.9															
155	56.9	53.0	63.9	65.1															
160	60.5	56.9	66.3	67.1															
165	64.0	60.7	68.4	68.6															
170	67.0	64.3	69.9	69.6															
175	69.2	67.3	70.9	69.8															
180	70.5	69.6	70.9	69.0															

C Range: 0 - 360DEG
 C Interval: 90.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 2021-03-13

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
 Humidity: 65.0%
 Test Distance: 8.250m [K=1.0000]
 Remarks: