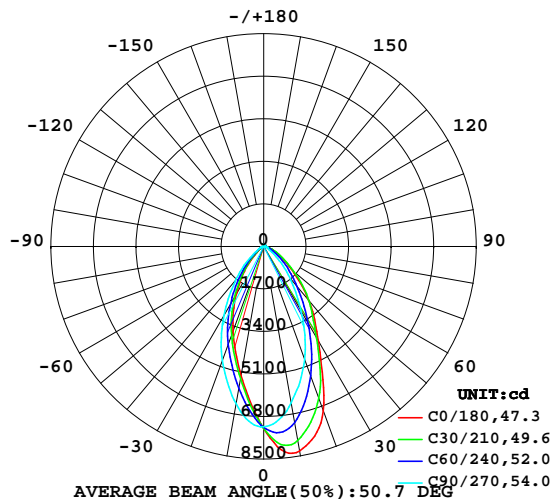


## LUMINAIRE PHOTOMETRIC TEST REPORT

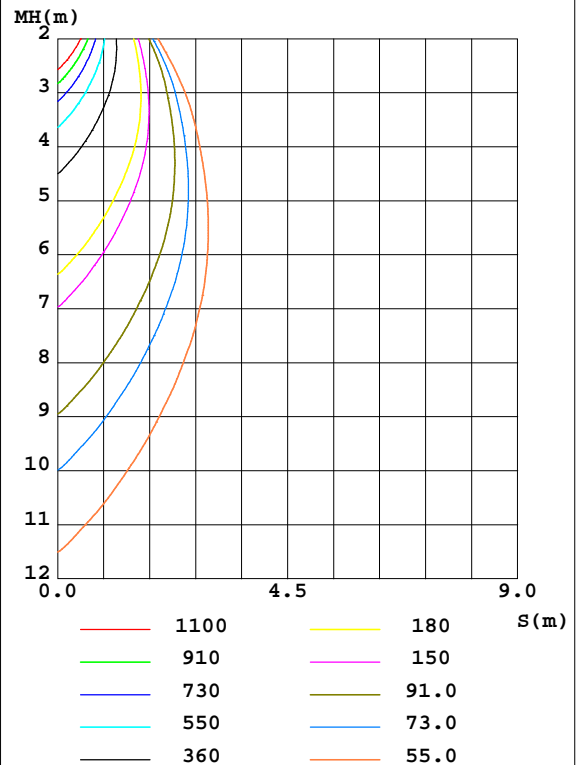
Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm		
NAME: LC-LL1603-70W-Asymmetriclc	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 1210*40*95mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 116.66 lm/W			
MODEL		Imax(cd)	8346	S/MH(C0/180)	0.59
NOMINAL POWER(W)	70	LOR(%)	100.0	S/MH(C90/270)	0.81
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	7991.4	$\eta$ UP,DN(C0-180)	1.6,45.2
NOMINAL FLUX(lm)	7991.43	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.6,51.5
LAMPS INSIDE	1	$\eta$ up(%)	3.2	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	$\eta$ down(%)	96.8	CIBSE SHR MAX	0.85

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:2018-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.7063]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

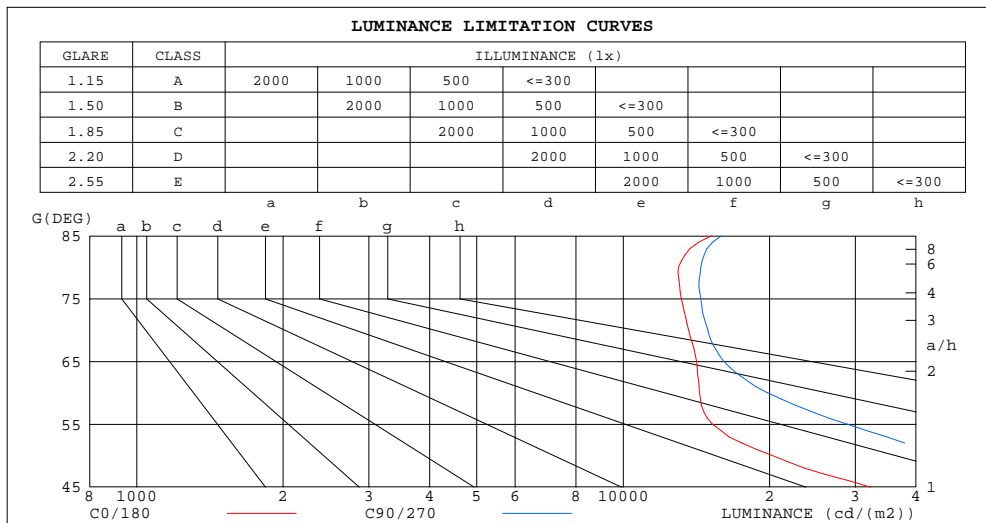
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	5233	5556	6380	7545	8296	7510	6336	5517	0- 10	657.4	657.4	8.23,8.23
20	3601	3966	4845	6168	6978	5973	4799	3980	10- 20	1625	2282	28.6,28.6
30	2186	2489	3175	4127	4372	3899	3007	2435	20- 30	1882	4164	52.1,52.1
40	1059	1261	1731	2445	2794	2433	1614	1200	30- 40	1539	5703	71.4,71.4
50	325.2	465.4	731.4	1257	1510	1371	683.6	474.9	40- 50	1001	6704	83.9,83.9
60	179.4	208.9	247.4	596.5	774.5	676.6	257.9	230.7	50- 60	533.5	7237	90.6,90.6
70	116.6	138.6	127.7	270.9	355.8	314.3	153.0	154.0	60- 70	295.8	7533	94.3,94.3
80	56.36	68.35	62.73	91.36	119.1	110.3	87.86	76.59	70- 80	150.0	7683	96.1,96.1
90	17.96	15.71	10.46	11.92	22.67	21.62	17.95	21.91	80- 90	49.90	7733	96.8,96.8
100	23.37	19.55	14.90	13.07	21.71	20.66	21.53	25.02	90-100	19.61	7752	97,97
110	33.48	28.57	22.52	18.73	24.91	24.67	27.50	32.07	100-110	24.17	7777	97.3,97.3
120	45.77	39.73	32.27	27.45	31.39	31.85	35.68	41.30	110-120	30.42	7807	97.7,97.7
130	58.99	52.27	44.21	38.97	40.72	41.58	46.16	52.18	120-130	36.62	7844	98.2,98.2
140	71.12	64.53	57.10	51.81	51.71	53.07	57.50	63.27	130-140	40.61	7884	98.7,98.7
150	81.67	75.55	69.32	64.67	63.27	64.97	68.93	72.91	140-150	40.28	7925	99.2,99.2
160	89.15	84.25	80.24	76.53	74.79	76.14	79.17	80.43	150-160	34.58	7959	99.6,99.6
170	93.76	89.96	88.74	87.00	85.91	85.69	87.54	87.14	160-170	23.71	7983	99.9,99.9
180	92.46	91.76	92.66	92.21	92.90	91.77	92.46	92.23	170-180	8.569	7991	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:2018-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
 Humidity:65.0%  
 Test Distance:8.000m [K=0.7063]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm		
NAME: LC-LL1603-70W-Asymmetriclc	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 1210*40*95mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	15186	15905
80	12982	14450
75	13168	14447
70	13642	14932
65	14148	16094
60	14355	19790
55	15255	28875
50	20236	45514
45	32239	66911

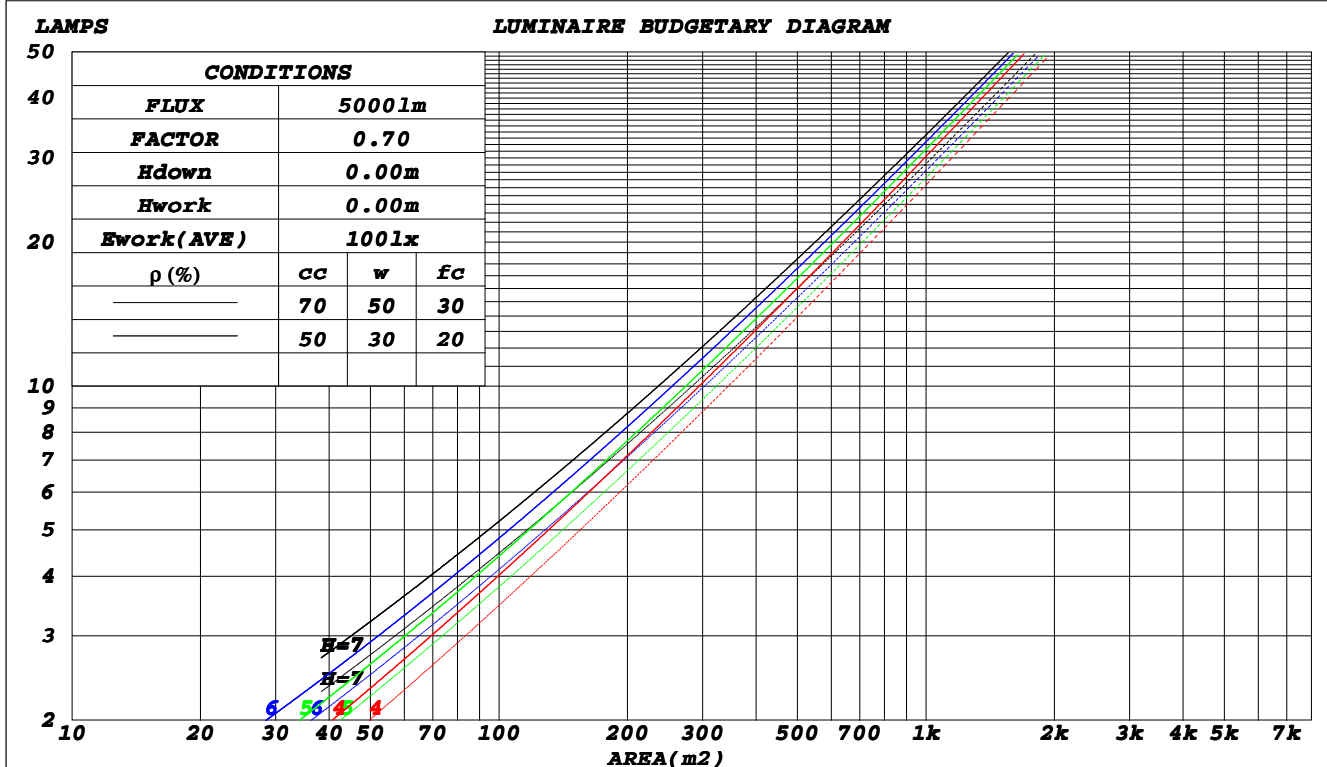
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2018-12-22

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm		
NAME: LC-LL1603-70W-Asymmetriclc	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 1210*40*95mm	

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.08	1.05	1.02	1.05	1.02	.00	1.00	.98	.96	.96	.94	.93	.92	.91	.89	.87
2.0	.98	.93	.89	.96	.91	.87	.92	.88	.85	.88	.85	.83	.85	.83	.81	.79
3.0	.89	.83	.79	.88	.82	.78	.85	.80	.76	.82	.78	.74	.79	.76	.73	.71
4.0	.82	.75	.70	.81	.74	.70	.78	.73	.68	.76	.71	.67	.73	.69	.66	.64
5.0	.76	.69	.64	.74	.68	.63	.72	.67	.62	.70	.65	.61	.68	.64	.60	.59
6.0	.70	.63	.58	.69	.62	.58	.67	.61	.57	.65	.60	.56	.64	.59	.56	.54
7.0	.65	.58	.53	.64	.58	.53	.63	.57	.52	.61	.56	.52	.59	.55	.51	.50
8.0	.61	.54	.49	.60	.53	.49	.58	.53	.48	.57	.52	.48	.56	.51	.48	.46
9.0	.57	.50	.45	.56	.50	.45	.55	.49	.45	.54	.48	.45	.53	.48	.44	.43
10.0	.53	.47	.42	.53	.46	.42	.52	.46	.42	.51	.45	.42	.50	.45	.41	.40



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2018-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks:

**WEC AND CCEC**

Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm		
NAME: LC-LL1603-70W-Asymmetr1c	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 1210*40*95mm	

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.222	.126	.040	.215	.122	.039	.200	.115	.037	.187	.108	.035	.174	.101	.033		
2.0	.212	.116	.036	.205	.113	.035	.193	.107	.033	.181	.102	.032	.170	.096	.030		
3.0	.200	.106	.032	.194	.104	.031	.183	.099	.030	.173	.095	.029	.163	.090	.028		
4.0	.188	.098	.029	.183	.096	.028	.173	.092	.027	.164	.088	.027	.156	.085	.026		
5.0	.177	.090	.026	.173	.089	.026	.164	.085	.025	.156	.082	.024	.149	.079	.024		
6.0	.167	.084	.024	.163	.082	.024	.156	.080	.023	.148	.077	.023	.142	.075	.022		
7.0	.158	.078	.022	.155	.077	.022	.148	.075	.021	.141	.072	.021	.135	.070	.021		
8.0	.150	.073	.021	.147	.072	.020	.140	.070	.020	.134	.068	.020	.129	.066	.019		
9.0	.142	.069	.019	.139	.068	.019	.134	.066	.019	.128	.064	.018	.123	.063	.018		
10.0	.135	.065	.018	.133	.064	.018	.127	.062	.018	.123	.061	.017	.118	.059	.017		

$\rho_{cc}$	80%			70%			50%			30%			10%			0	
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
$\rho_{fc}$	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.215	.215	.215	.184	.184	.184	.125	.125	.125	.072	.072	.072	.023	.023	.023		
1.0	.199	.182	.166	.170	.156	.143	.117	.107	.099	.067	.062	.058	.021	.020	.019		
2.0	.187	.157	.133	.160	.135	.115	.110	.094	.080	.063	.055	.047	.020	.018	.015		
3.0	.176	.139	.109	.151	.120	.095	.104	.083	.066	.060	.049	.039	.019	.016	.013		
4.0	.167	.125	.093	.143	.108	.080	.099	.075	.057	.057	.044	.034	.018	.014	.011		
5.0	.159	.114	.080	.137	.098	.070	.094	.069	.049	.055	.040	.029	.018	.013	.010		
6.0	.152	.105	.071	.131	.091	.062	.090	.064	.044	.052	.037	.026	.017	.012	.009		
7.0	.146	.098	.064	.125	.085	.056	.087	.059	.040	.050	.035	.024	.016	.011	.008		
8.0	.140	.092	.059	.120	.080	.051	.083	.056	.036	.048	.033	.022	.016	.011	.007		
9.0	.134	.087	.055	.116	.075	.048	.080	.053	.034	.047	.031	.020	.015	.010	.007		
10.0	.129	.082	.051	.112	.072	.045	.077	.050	.032	.045	.030	.019	.015	.010	.006		

**C Range:** 0 - 360DEG  
**C Interval:** 30.0DEG  
**Test Speed:** HIGH  
**Temperature:** 25.3DEG  
**Operators:** DAMIN  
**Test Date:** 2018-12-22

**$\gamma$  Range:** 0 - 180DEG  
 **$\gamma$  Interval:** 1.0DEG  
**Test System:** EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
**Humidity:** 65.0%  
**Test Distance:** 8.000m [K=0.7063]  
**Remarks:**

**UGR(Unified Glare Rating) Table**

Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm										
NAME: LC-LL1603-70W-Asymmetricrlc					TYPE:LED					
MFR.: LOW-CARBON					DIM.: 1210*40*95mm					
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	19.7	20.8	20.0	21.1	21.3	21.8	22.9	22.1	23.2	23.4
3H	20.2	21.3	20.6	21.5	21.8	22.1	23.1	22.4	23.4	23.7
4H	20.5	21.5	20.9	21.8	22.1	22.3	23.3	22.6	23.5	23.8
6H	20.8	21.7	21.1	22.0	22.3	22.4	23.3	22.8	23.7	24.0
8H	20.9	21.7	21.2	22.1	22.4	22.5	23.4	22.9	23.7	24.0
12H	21.0	21.8	21.3	22.1	22.5	22.5	23.4	22.9	23.7	24.1
4H 2H	19.9	20.8	20.2	21.1	21.4	21.8	22.7	22.1	23.0	23.3
3H	20.6	21.5	21.0	21.8	22.2	22.2	23.1	22.6	23.4	23.8
4H	21.1	21.8	21.5	22.2	22.6	22.6	23.3	23.0	23.7	24.1
6H	21.5	22.1	21.9	22.5	22.9	22.8	23.5	23.3	23.9	24.3
8H	21.6	22.2	22.1	22.7	23.1	23.0	23.6	23.4	24.0	24.4
12H	21.8	22.3	22.2	22.8	23.2	23.1	23.6	23.5	24.1	24.5
8H 4H	21.3	21.9	21.7	22.3	22.7	22.6	23.3	23.1	23.7	24.1
6H	21.8	22.3	22.3	22.8	23.3	23.1	23.6	23.6	24.0	24.5
8H	22.1	22.5	22.6	23.0	23.5	23.3	23.7	23.8	24.2	24.7
12H	22.3	22.7	22.9	23.2	23.8	23.5	23.9	24.0	24.4	24.9
12H 4H	21.3	21.8	21.7	22.3	22.7	22.6	23.2	23.1	23.6	24.1
6H	21.9	22.3	22.4	22.8	23.3	23.1	23.5	23.6	24.0	24.5
8H	22.2	22.6	22.7	23.1	23.6	23.3	23.7	23.9	24.2	24.8
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.2					+ 1.3 / - 1.4				
1.5H	+ 1.5 / - 1.2					+ 2.1 / - 1.7				
2.0H	+ 1.4 / - 0.7					+ 3.2 / - 1.3				

CIE Pub.117, 7991 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 7.2$ )

**C Range: 0 - 360DEG**  
**C Interval: 30.0DEG**  
**Test Speed: HIGH**  
**Temperature:25.3DEG**  
**Operators:DAMIN**  
**Test Date:2018-12-22**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

**UTILIZATION FACTORS TABLE**

Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm		
NAME: LC-LL1603-70W-Asymmetriclc	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 1210*40*95mm	

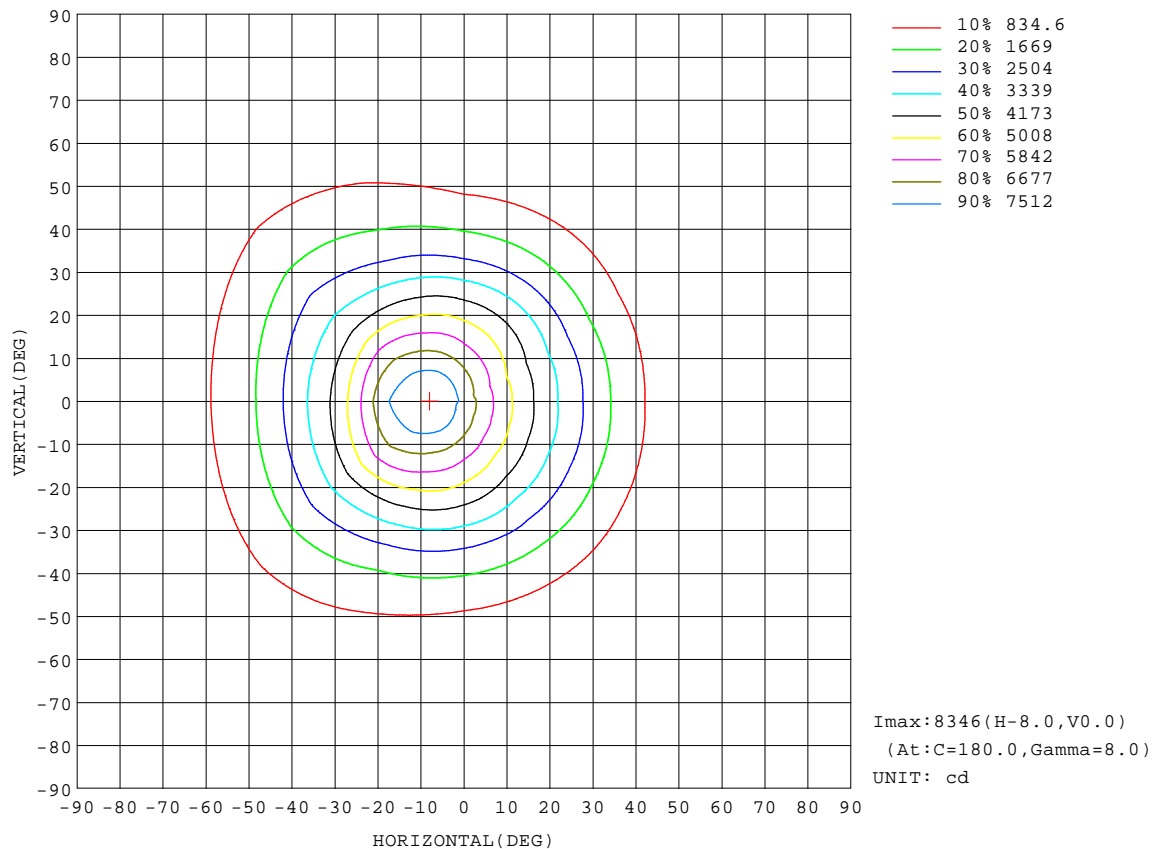
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	74	65	60	73	65	60	72	64	60	55
0.80	82	74	69	82	74	69	80	73	68	63
1.00	89	81	76	88	80	76	86	81	75	69
1.25	94	87	82	93	86	82	90	85	81	75
1.50	98	91	86	96	90	86	94	88	84	78
2.00	102	97	92	101	95	91	97	93	89	83
2.50	105	100	95	103	98	94	99	95	92	85
3.00	107	102	99	105	101	97	101	98	95	87
4.00	110	106	103	108	104	101	103	100	98	89
5.00	112	108	106	109	106	104	104	102	100	91
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:2018-12-22**

**$\gamma$  Range: 0 - 180DEG**  
 **$\gamma$  Interval: 1.0DEG**  
**Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11**  
**Humidity:65.0%**  
**Test Distance:8.000m [K=0.7063]**  
**Remarks:**

## ISOCANDELA DIAGRAM

Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm		
NAME: LC-LL1603-70W-Asymmetriclc	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 1210*40*95mm	



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:DAMIN  
Test Date:2018-12-22

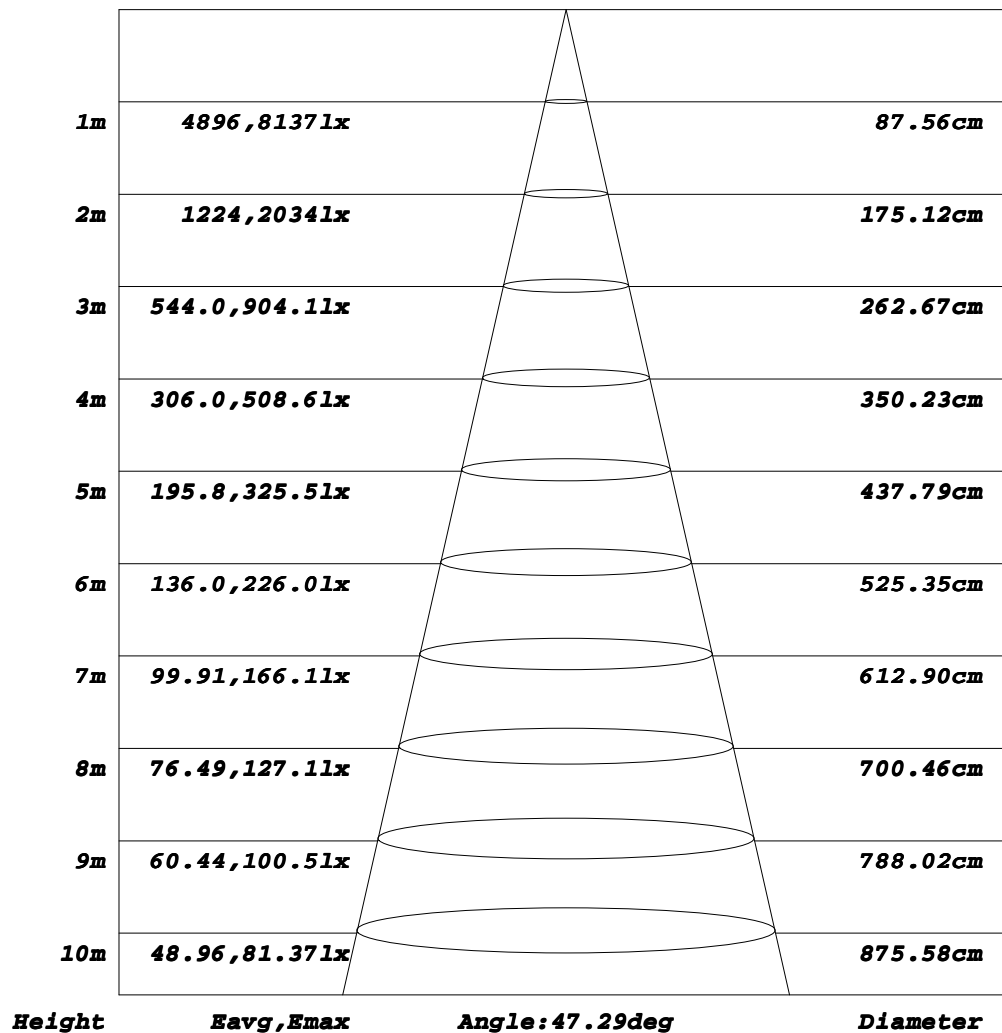
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity:65.0%  
Test Distance:8.000m [K=0.7063]  
Remarks:



## AAI Figure

Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm		
NAME: LC-LL1603-70W-Asymmetr1c	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 1210*40*95mm	

Flux out:3049 lm



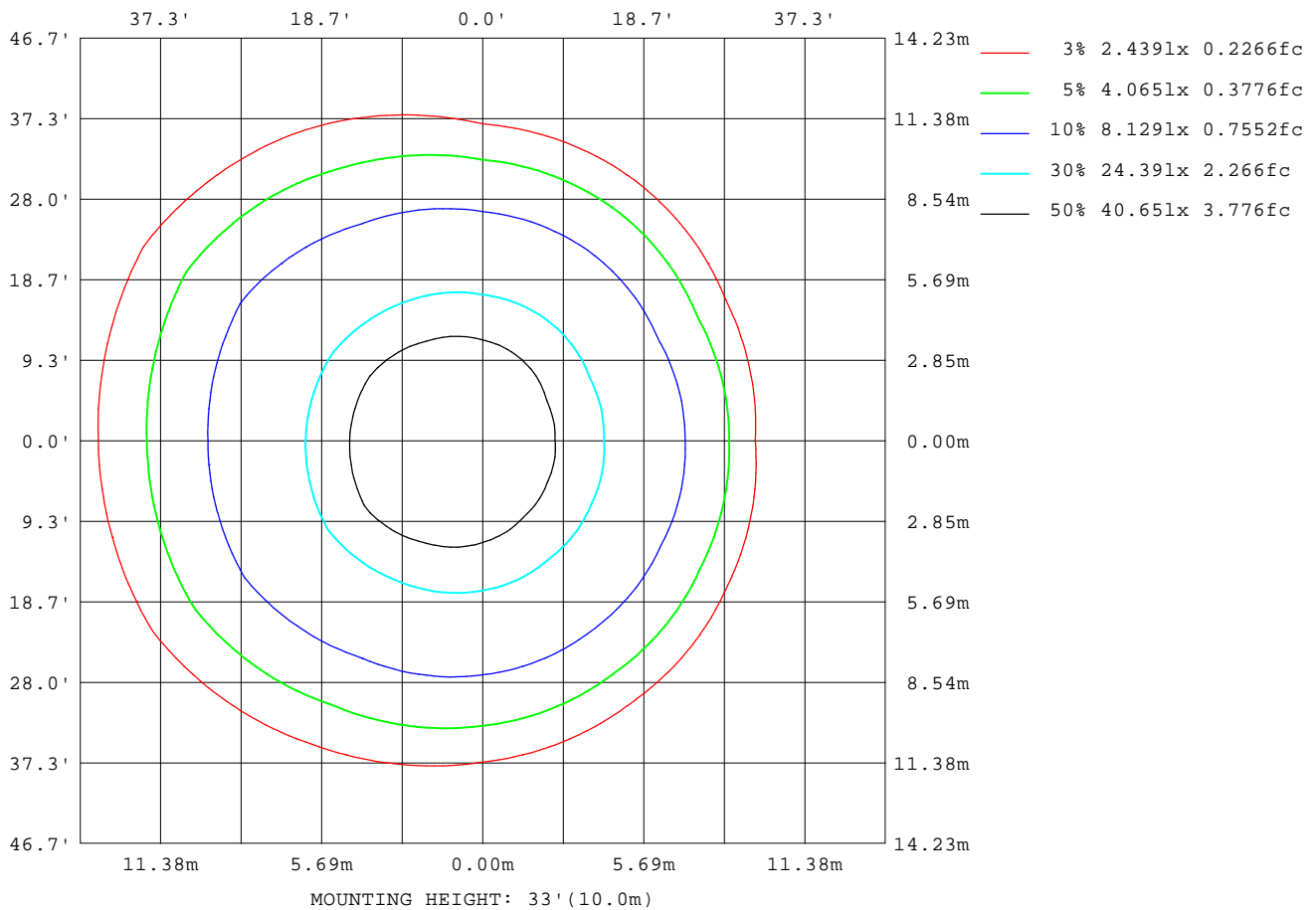
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: DAMIN  
 Test Date: 2018-12-22

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=0.7063]  
 Remarks:

# ISOLUX DIAGRAM

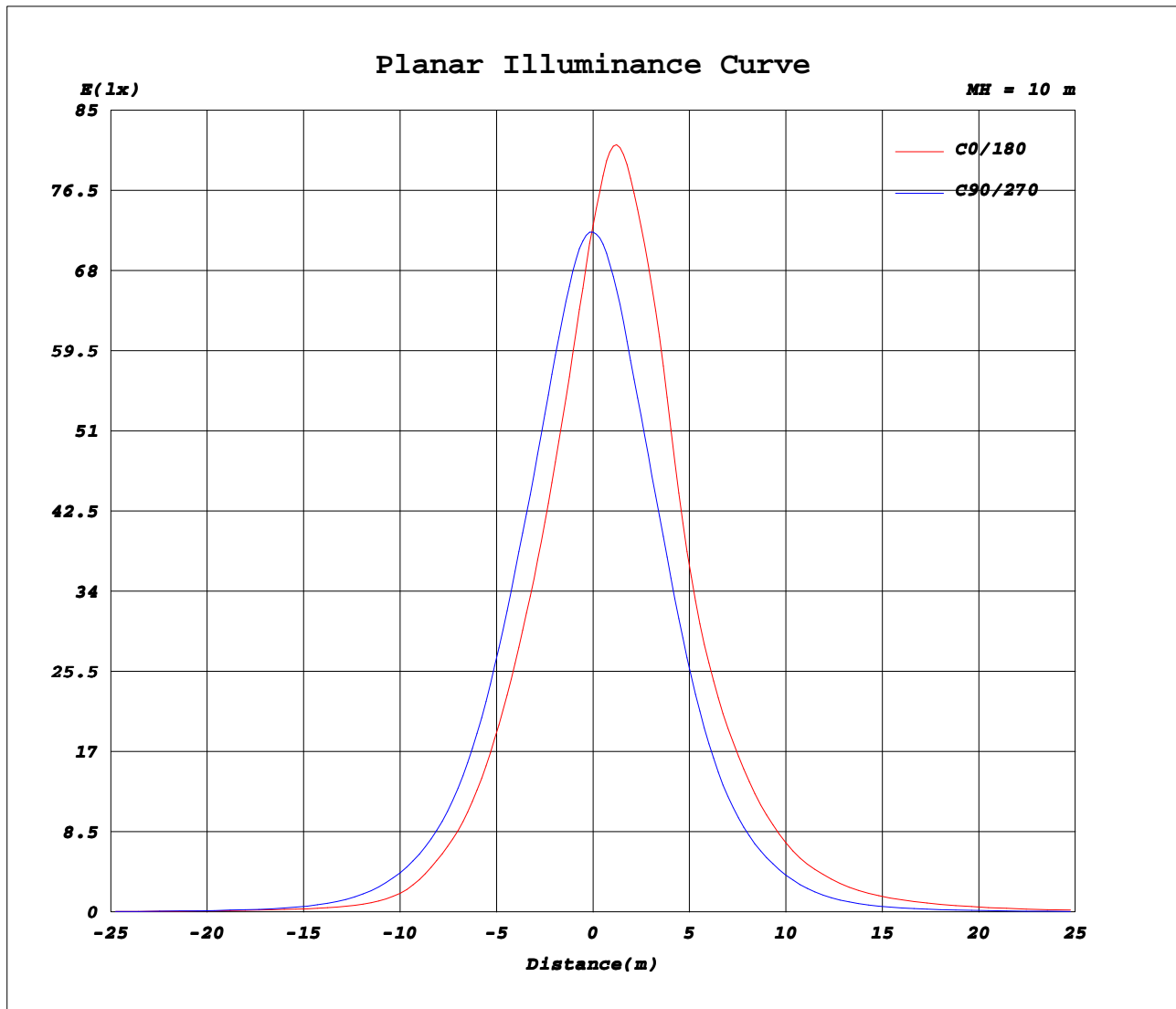
Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm		
NAME: LC-LL1603-70W-Asymmetriclc	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 1210*40*95mm	



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2018-12-22

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2018-12-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity: 65.0%  
Test Distance: 8.000m [K=0.7063]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.40V I:0.3200A P:68.500W PF:0.9700 Freq:50.00Hz Lamp Flux:7991.43x1 lm		
NAME: LC-LL1603-70W-Asymmetriclc	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 1210*40*95mm	

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	7280	7275	7230	7209	7197	7148	7280	7275	7230	7209	7197	7148							
5	6229	6326	6575	7004	7471	7855	8151	7946	7464	6947	6561	6187							
10	5233	5369	5742	6380	7175	7914	8296	7872	7147	6336	5769	5265							
15	4363	4520	4921	5627	6483	7399	7854	7275	6407	5611	5003	4471							
20	3601	3766	4166	4845	5638	6697	6978	6452	5495	4799	4249	3711							
25	2882	3043	3407	4021	4702	5652	5541	5350	4522	3907	3436	2974							
30	2186	2331	2647	3175	3757	4497	4372	4232	3566	3007	2630	2240							
35	1570	1676	1966	2388	2868	3548	3547	3427	2743	2229	1921	1585							
40	1059	1132	1390	1731	2108	2782	2794	2801	2064	1614	1342	1059							
45	570	703	904	1183	1493	2083	2083	2190	1553	1113	904	665							
50	325	399	532	731	1044	1469	1510	1594	1147	684	554	396							
55	219	255	313	414	721	1026	1068	1133	812	403	328	270							
60	179	200	218	247	482	711	774	798	555	258	242	219							
65	149	166	176	170	326	492	546	566	376	192	198	184							
70	117	133	144	128	216	326	356	373	256	153	162	146							
75	85.2	98.3	108	93.5	138	198	218	227	166	120	121	107							
80	56.4	65.5	71.2	62.7	77.9	105	119	122	98.5	87.9	81.0	72.2							
85	33.1	37.2	38.6	34.7	35.1	42.9	54.8	54.6	49.5	52.6	46.1	42.6							
90	18.0	17.2	14.3	10.5	10.7	13.2	22.7	22.8	20.4	18.0	20.9	22.9							
95	19.4	17.4	14.6	12.0	11.2	12.4	21.5	21.2	19.4	19.3	21.3	23.4							
100	23.4	21.2	17.9	14.9	12.9	13.2	21.7	21.1	20.2	21.5	23.7	26.3							
105	28.1	25.7	21.9	18.4	15.9	15.1	22.9	22.2	22.2	24.3	26.7	29.8							
110	33.5	30.8	26.3	22.5	19.4	18.0	24.9	24.3	25.0	27.5	30.3	33.8							
115	39.4	36.4	31.4	27.1	23.7	21.8	27.7	27.4	28.3	31.3	34.4	38.3							
120	45.8	42.5	37.0	32.3	28.6	26.3	31.4	31.3	32.4	35.7	39.2	43.5							
125	52.2	48.8	43.0	38.0	34.1	31.7	35.8	35.8	37.1	40.7	44.3	48.9							
130	59.0	55.2	49.3	44.2	40.2	37.7	40.7	40.9	42.3	46.2	49.8	54.6							
135	65.3	61.4	55.6	50.7	46.5	44.2	45.9	46.5	47.9	51.8	55.3	60.3							
140	71.1	67.5	61.6	57.1	52.9	50.8	51.7	52.2	54.0	57.5	60.8	65.8							
145	76.5	73.2	67.3	63.3	59.5	57.2	57.5	57.9	60.2	63.3	65.7	71.0							
150	81.7	78.5	72.6	69.3	65.9	63.5	63.3	63.7	66.2	68.9	70.4	75.4							
155	85.9	82.9	77.6	75.0	72.0	69.6	68.9	69.4	72.0	74.2	74.9	78.7							
160	89.2	86.4	82.1	80.2	77.8	75.3	74.8	74.8	77.5	79.2	79.3	81.6							
165	92.0	89.1	85.9	84.8	83.0	80.9	80.7	80.2	82.4	83.7	83.4	84.5							
170	93.8	90.9	89.1	88.7	87.6	86.4	85.9	84.8	86.6	87.5	87.3	87.0							
175	93.5	91.5	91.1	91.4	90.9	90.2	90.0	88.6	89.9	90.6	90.6	89.6							
180	92.5	91.6	91.9	92.7	92.5	91.9	92.9	91.3	92.2	92.5	92.7	91.8							

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Operators: DAMIN

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Remarks: