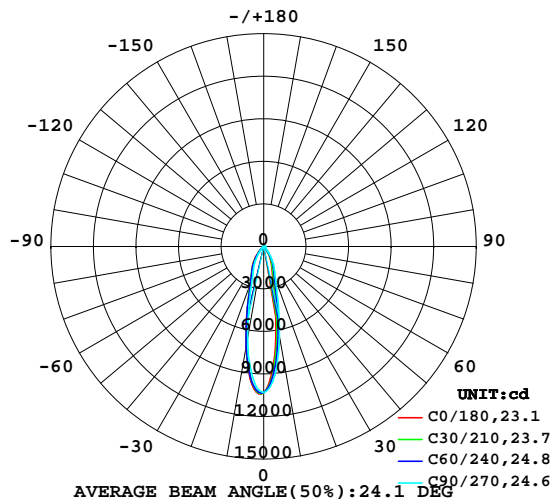


LUMINAIRE PHOTOMETRIC TEST REPORT

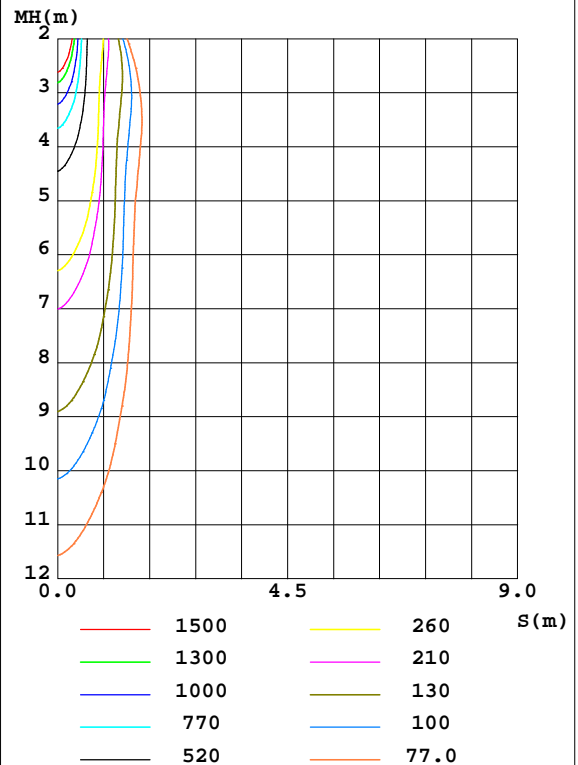
Test:U:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm		
NAME: LC-LL1603-30W-Narrow 30°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 132.19 lm/W			
MODEL		Imax(cd)	10404	S/MH(C0/180)	0.33
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.41
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3622.1	η UP,DN(C0-180)	1.6,46.8
NOMINAL FLUX(lm)	3622.08	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.7,49.9
LAMPS INSIDE	1	η up(%)	3.3	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220	η down(%)	96.7	CIBSE SHR MAX	1.00

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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

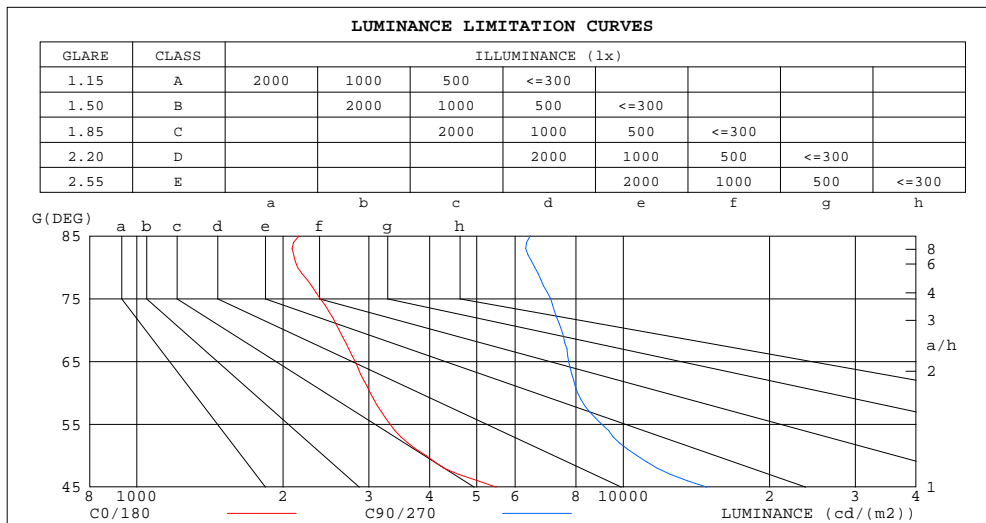
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	496.5	565.7	642.4	682.8	716.5	709.9	653.2	557.3	0- 10	774.3	774.3	21.4,21.4
20	176.1	205.4	245.8	279.6	281.3	279.8	236.9	201.5	10- 20	1065	1839	50.8,50.8
30	87.28	105.0	131.8	156.7	157.9	151.6	122.1	100.7	20- 30	805.8	2645	73,73
40	21.10	30.51	47.66	63.87	69.87	57.45	39.27	26.43	30- 40	510.9	3156	87.1,87.1
50	6.319	8.064	17.15	16.42	16.49	14.49	15.08	7.675	40- 50	186.3	3342	92.3,92.3
60	3.775	4.220	10.07	5.993	6.013	5.890	9.486	4.446	50- 60	74.49	3417	94.3,94.3
70	2.230	2.566	6.389	3.319	3.695	3.561	6.400	2.917	60- 70	46.04	3463	95.6,95.6
80	0.9288	1.163	2.857	1.557	2.054	1.999	3.132	1.656	70- 80	28.46	3491	96.4,96.4
90	0.3435	0.2977	0.3051	0.2849	0.8491	0.8139	0.8384	0.8596	80- 90	11.99	3503	96.7,96.7
100	0.5492	0.4896	0.4478	0.3839	0.8824	0.8924	0.9571	0.9708	90-100	6.720	3510	96.9,96.9
110	0.9337	0.8556	0.7790	0.6697	1.036	1.082	1.182	1.214	100-110	8.588	3519	97.1,97.1
120	1.574	1.458	1.327	1.184	1.399	1.455	1.572	1.660	110-120	11.77	3530	97.5,97.5
130	2.421	2.250	2.054	1.924	1.870	1.965	2.112	2.235	120-130	15.76	3546	97.9,97.9
140	3.256	3.066	2.820	2.731	2.560	2.674	2.806	2.984	130-140	19.05	3565	98.4,98.4
150	4.014	3.856	3.562	3.565	3.478	3.558	3.543	3.818	140-150	20.46	3586	99,99
160	4.746	4.526	4.236	4.355	4.320	4.352	4.201	4.435	150-160	18.67	3604	99.5,99.5
170	5.029	4.733	4.686	4.911	4.915	4.863	4.667	4.664	160-170	13.11	3617	99.9,99.9
180	4.864	4.899	4.939	4.899	4.875	4.896	4.933	4.905	170-180	4.613	3622	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

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:

LUMINANCE LIMITATION CURVES

Test:U:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm		
NAME: LC-LL1603-30W-Narrow 30°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2156	6437
80	2139	6581
75	2385	7095
70	2608	7472
65	2810	7725
60	3020	8059
55	3317	9027
50	3932	10673
45	5480	14861

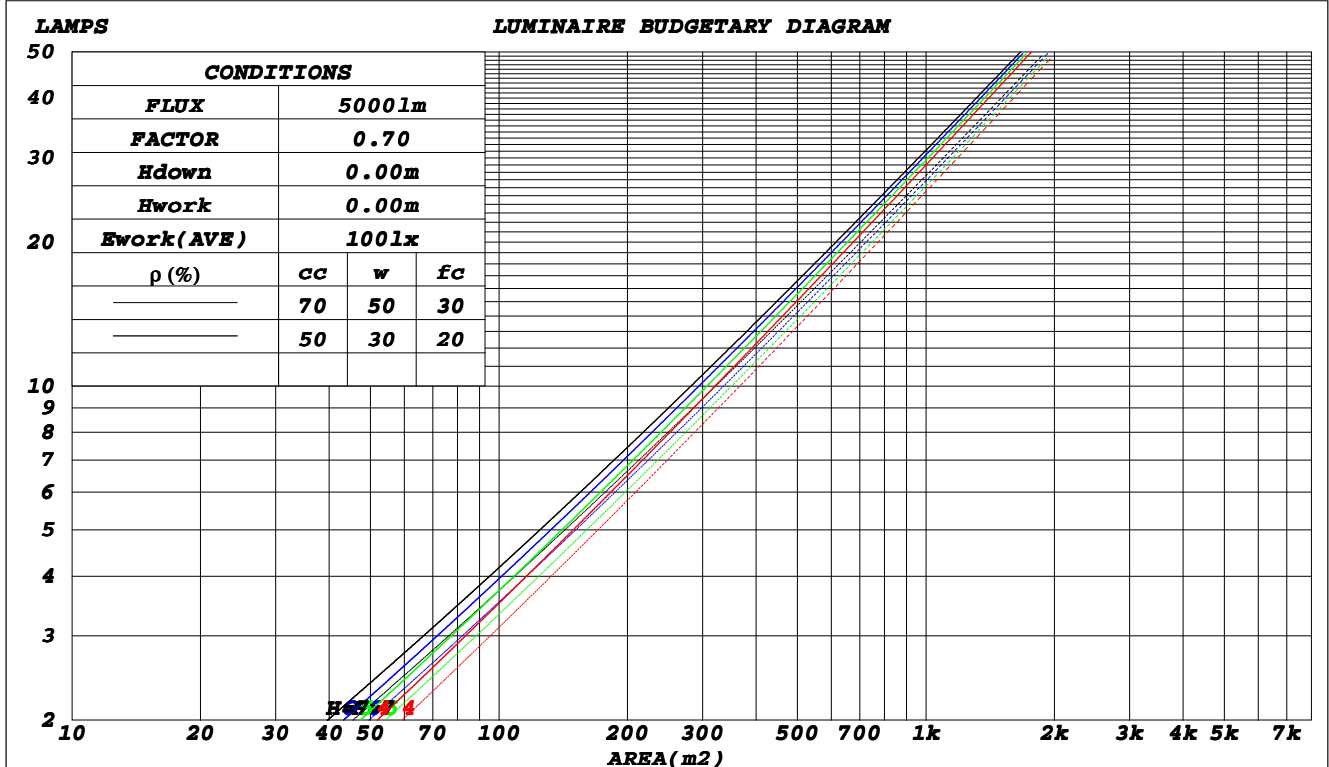
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-12-22

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:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm		
NAME: LC-LL1603-30W-Narrow 30°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	

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	1.18	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	1.10	1.08	1.05	1.08	1.05	1.03	1.03	1.01	.00	.99	.97	.96	.95	.94	.93	.91
2.0	1.03	.99	.95	1.01	.97	.94	.97	.94	.92	.93	.91	.89	.90	.88	.87	.85
3.0	.96	.91	.88	.95	.90	.87	.92	.88	.85	.89	.86	.83	.86	.84	.82	.80
4.0	.91	.85	.81	.89	.84	.81	.87	.83	.79	.84	.81	.78	.82	.79	.77	.75
5.0	.85	.80	.76	.84	.79	.75	.82	.78	.75	.80	.77	.74	.78	.75	.73	.71
6.0	.81	.75	.71	.80	.75	.71	.78	.74	.70	.77	.73	.70	.75	.72	.69	.67
7.0	.77	.71	.67	.76	.71	.67	.75	.70	.67	.73	.69	.66	.72	.68	.66	.64
8.0	.73	.68	.64	.73	.67	.64	.71	.67	.63	.70	.66	.63	.69	.65	.62	.61
9.0	.70	.65	.61	.69	.64	.61	.68	.64	.60	.67	.63	.60	.66	.62	.60	.58
10.0	.67	.62	.58	.66	.61	.58	.65	.61	.58	.65	.60	.57	.64	.60	.57	.56



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:

WEC AND CCEC

Test:U:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm					
NAME: LC-LL1603-30W-Narrow 30°			TYPE:LED		
MFR.: LOW-CARBON			DIM.: 650*40*95mm		

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	.178	.101	.032	.170	.097	.031	.155	.089	.028	.142	.082	.026	.130	.075	.024		
2.0	.167	.092	.028	.160	.088	.027	.148	.082	.026	.137	.077	.024	.126	.071	.023		
3.0	.157	.084	.025	.151	.081	.024	.141	.076	.023	.131	.072	.022	.122	.067	.021		
4.0	.148	.077	.023	.143	.075	.022	.134	.071	.021	.125	.067	.020	.117	.064	.019		
5.0	.140	.071	.021	.135	.069	.020	.127	.066	.019	.120	.063	.019	.113	.060	.018		
6.0	.132	.066	.019	.128	.065	.019	.121	.062	.018	.114	.059	.017	.108	.057	.017		
7.0	.125	.062	.018	.122	.061	.017	.116	.058	.017	.110	.056	.016	.104	.054	.016		
8.0	.119	.058	.016	.116	.057	.016	.111	.055	.016	.105	.053	.015	.100	.051	.015		
9.0	.114	.055	.015	.111	.054	.015	.106	.052	.015	.101	.051	.014	.096	.049	.014		
10.0	.109	.052	.014	.106	.051	.014	.102	.050	.014	.097	.048	.014	.093	.047	.013		

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	.215	.215	.215	.184	.184	.184	.126	.126	.126	.072	.072	.072	.023	.023	.023	
1.0	.196	.182	.170	.168	.157	.146	.115	.108	.101	.066	.062	.059	.021	.020	.019	
2.0	.181	.158	.138	.155	.136	.120	.106	.094	.083	.061	.055	.049	.020	.018	.016	
3.0	.168	.139	.116	.144	.120	.100	.099	.083	.070	.057	.049	.041	.018	.016	.014	
4.0	.157	.124	.099	.135	.107	.086	.093	.075	.061	.054	.044	.036	.017	.014	.012	
5.0	.148	.113	.086	.127	.097	.075	.088	.068	.053	.051	.040	.031	.016	.013	.010	
6.0	.140	.103	.077	.121	.089	.067	.083	.063	.047	.048	.037	.028	.016	.012	.009	
7.0	.134	.096	.069	.115	.083	.060	.079	.058	.043	.046	.034	.025	.015	.011	.008	
8.0	.127	.089	.063	.110	.077	.055	.076	.054	.039	.044	.032	.023	.014	.011	.008	
9.0	.122	.084	.058	.105	.073	.051	.073	.051	.036	.042	.030	.022	.014	.010	.007	
10.0	.117	.079	.054	.101	.069	.047	.070	.049	.034	.041	.029	.020	.013	.009	.007	

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:

UGR(Unified Glare Rating) Table

Test:U:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm										
NAME: LC-LL1603-30W-Narrow 30°					TYPE:LED					
MFR.: LOW-CARBON					DIM.: 650*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	12.8	13.7	13.1	13.9	14.1	15.9	16.8	16.2	17.0	17.2
3H	13.1	13.9	13.4	14.1	14.4	16.5	17.3	16.9	17.6	17.9
4H	13.2	14.0	13.5	14.2	14.5	16.9	17.7	17.3	18.0	18.2
6H	13.3	14.0	13.6	14.3	14.6	17.3	18.0	17.6	18.3	18.6
8H	13.3	14.0	13.7	14.3	14.6	17.4	18.1	17.8	18.4	18.7
12H	13.3	14.0	13.7	14.3	14.6	17.5	18.2	17.9	18.5	18.8
4H 2H	12.8	13.6	13.2	13.9	14.1	15.7	16.5	16.1	16.8	17.0
3H	13.2	13.9	13.6	14.2	14.6	16.5	17.1	16.8	17.5	17.8
4H	13.5	14.1	13.9	14.4	14.8	16.9	17.5	17.3	17.9	18.3
6H	13.6	14.2	14.1	14.6	15.0	17.4	17.9	17.8	18.3	18.7
8H	13.7	14.2	14.1	14.6	15.0	17.6	18.1	18.1	18.5	18.9
12H	13.7	14.2	14.2	14.6	15.1	17.8	18.2	18.2	18.6	19.1
8H 4H	13.5	14.0	14.0	14.4	14.9	16.9	17.4	17.3	17.8	18.2
6H	13.8	14.2	14.3	14.7	15.2	17.4	17.8	17.9	18.2	18.7
8H	13.9	14.3	14.4	14.8	15.3	17.6	18.0	18.1	18.5	19.0
12H	14.0	14.3	14.5	14.8	15.4	17.9	18.2	18.4	18.7	19.2
12H 4H	13.5	14.0	14.0	14.4	14.9	16.8	17.3	17.3	17.7	18.2
6H	13.8	14.2	14.3	14.7	15.2	17.4	17.7	17.9	18.2	18.7
8H	14.0	14.3	14.5	14.8	15.3	17.6	17.9	18.1	18.4	19.0
Variations with the observer position at spacings:										
S = 1.0H	+ 1.4 / - 1.7					+ 1.8 / - 1.3				
1.5H	+ 2.8 / - 1.6					+ 3.3 / - 1.9				
2.0H	+ 1.1 / - 0.6					+ 2.6 / - 1.5				

CIE Pub.117, 3622 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 4.5$)

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:

UTILIZATION FACTORS TABLE

Test:U:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm		
NAME: LC-LL1603-30W-Narrow 30°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	

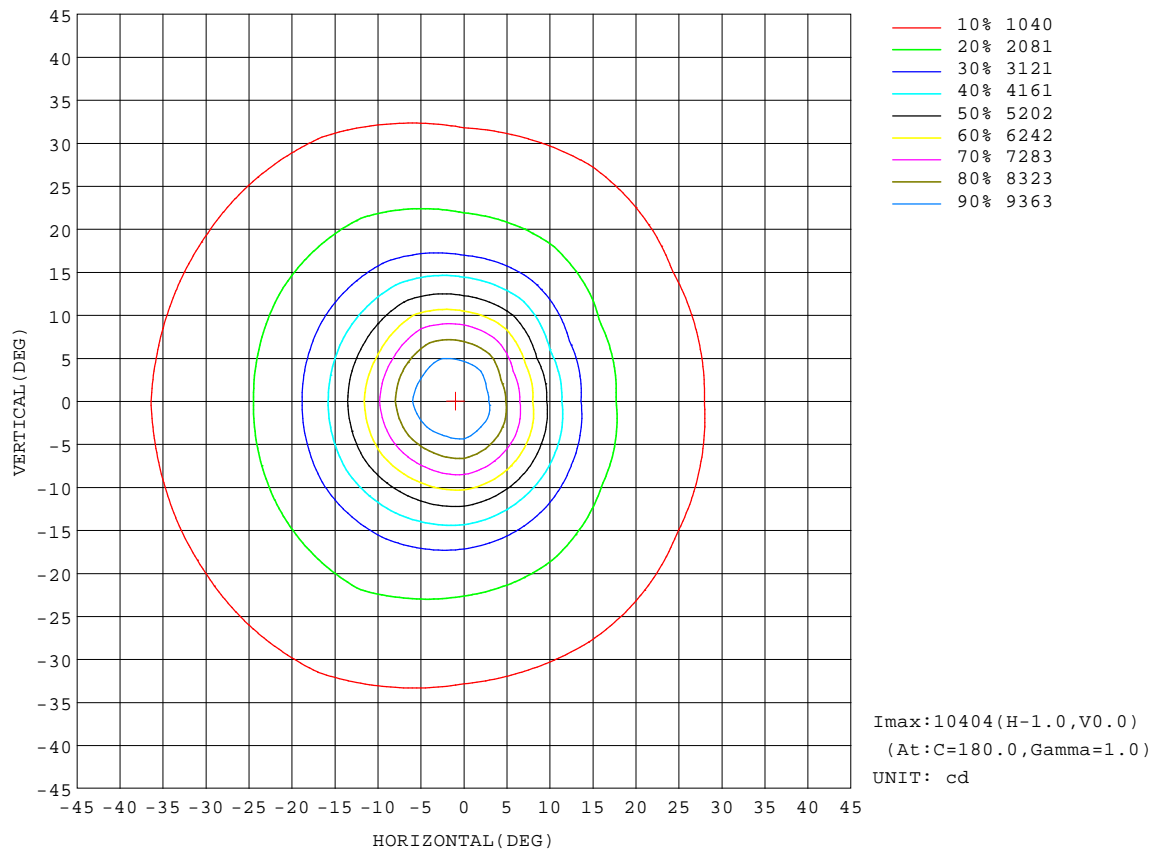
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	84	77	73	83	77	73	82	76	72	68
0.80	91	85	81	90	84	81	89	84	80	76
1.00	96	90	86	95	89	85	93	89	85	80
1.25	100	95	91	99	94	90	97	92	89	84
1.50	103	98	94	102	97	94	99	95	92	87
2.00	106	102	98	105	100	97	101	98	95	89
2.50	108	104	101	106	102	99	103	100	97	90
3.00	110	106	103	108	104	102	104	101	99	92
4.00	112	109	106	110	107	105	106	103	102	93
5.00	113	111	109	111	109	107	106	105	103	95
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

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:

ISOCANDELA DIAGRAM

Test:U:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm		
NAME: LC-LL1603-30W-Narrow 30°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	



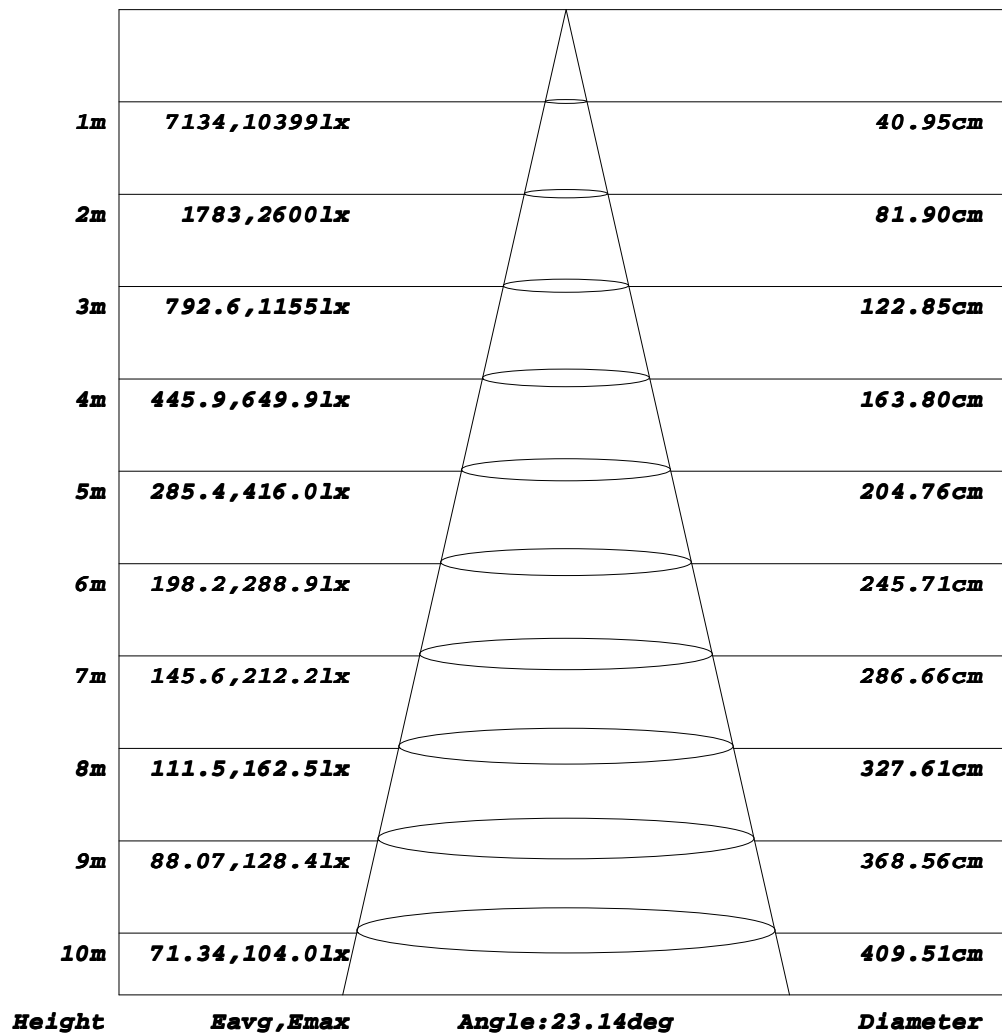
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-12-22

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:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm		
NAME: LC-LL1603-30W-Narrow 30°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	

Flux out:1013 lm



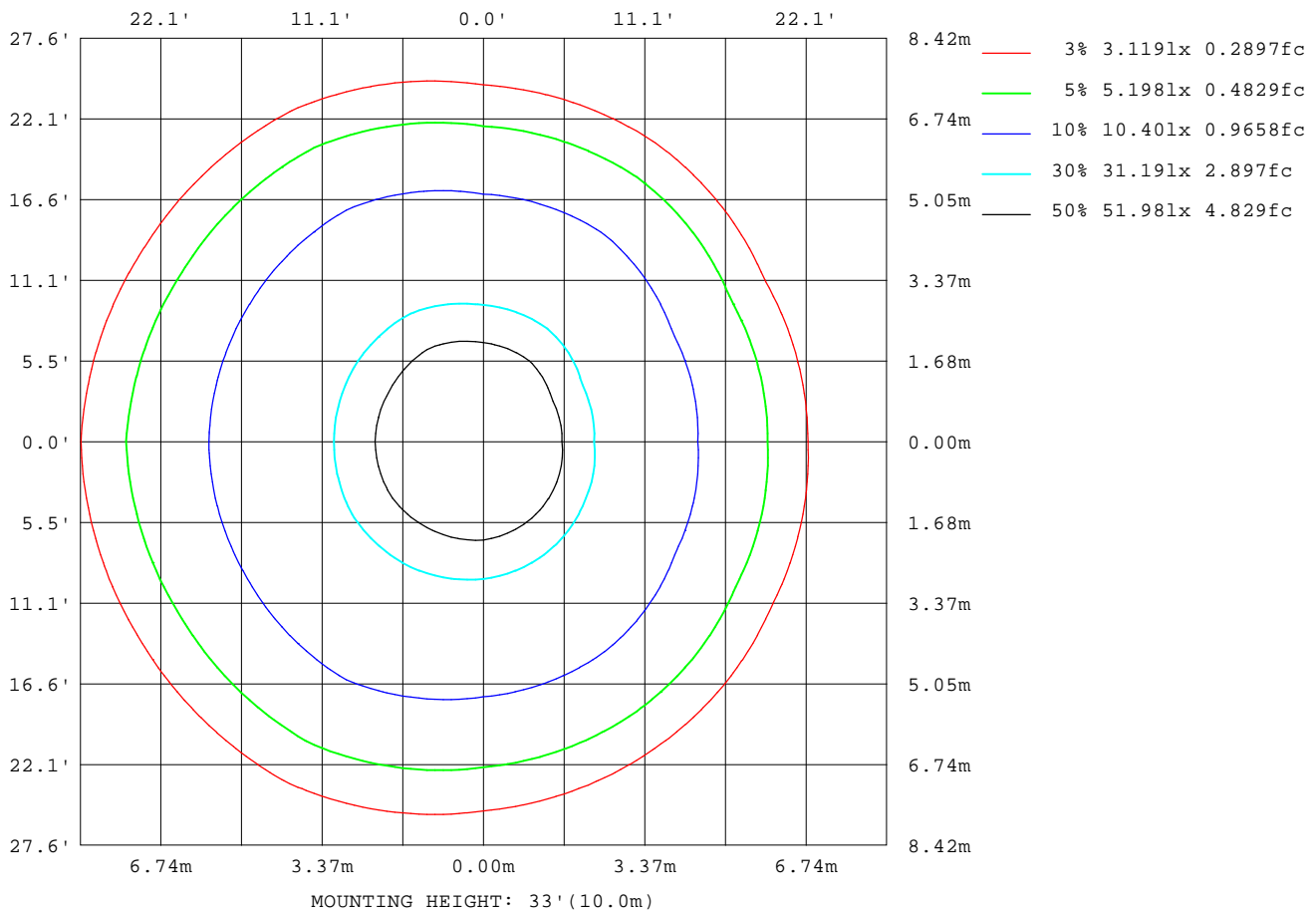
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

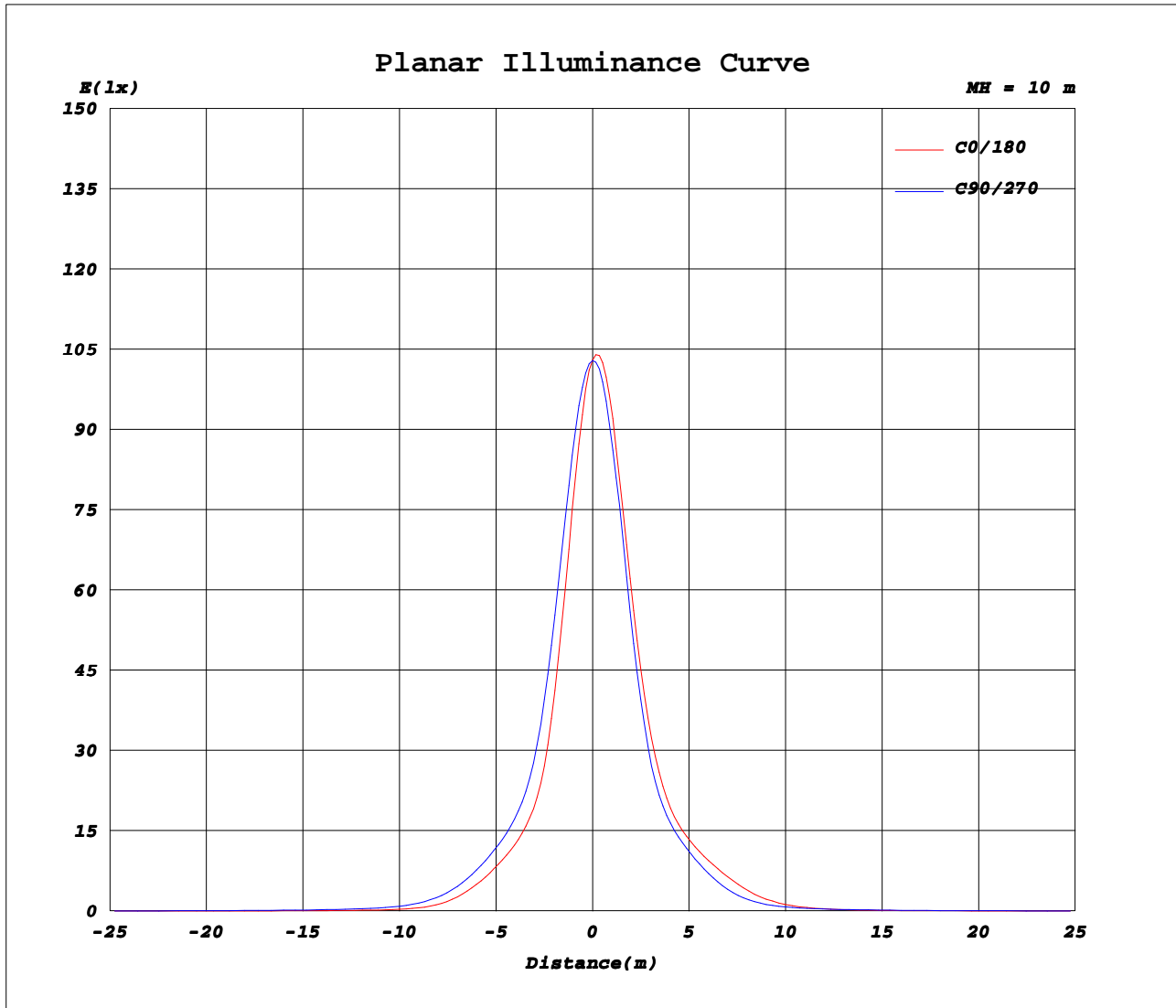
Test:U:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm		
NAME: LC-LL1603-30W-Narrow 30°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	



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

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.50V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:3622.08x1 lm		
NAME: LC-LL1603-30W-Narrow 30°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1030	1032	1029	1029	1027	1023	1030	1032	1029	1029	1027	1023						
5	825	852	877	912	922	951	975	961	961	921	894	829						
10	497	539	593	642	665	701	717	704	716	653	607	508						
15	266	295	342	388	422	449	452	450	444	390	352	282						
20	176	189	221	246	275	284	281	285	275	237	219	184						
25	129	138	164	181	207	205	202	204	200	172	161	133						
30	87.3	94.4	116	132	158	156	158	153	150	122	112	89.3						
35	48.5	54.1	68.9	84.4	108	109	117	105	98.5	74.1	64.2	48.4						
40	21.1	26.1	34.9	47.7	62.7	65.1	69.9	60.4	54.5	39.3	30.6	22.2						
45	9.69	12.1	16.6	26.3	32.7	32.6	34.9	28.8	28.0	22.1	14.9	10.6						
50	6.32	6.96	9.17	17.2	17.2	15.6	16.5	13.6	15.4	15.1	8.72	6.63						
55	4.76	5.03	6.11	12.9	9.84	8.60	8.86	7.78	9.22	11.9	6.10	5.07						
60	3.78	3.90	4.54	10.1	6.29	5.69	6.01	5.48	6.30	9.49	4.79	4.10						
65	2.97	3.09	3.57	8.16	4.49	4.29	4.64	4.31	4.67	7.83	3.89	3.37						
70	2.23	2.36	2.77	6.39	3.31	3.33	3.70	3.49	3.63	6.40	3.12	2.72						
75	1.54	1.68	2.00	4.59	2.37	2.44	2.85	2.71	2.78	4.76	2.43	2.11						
80	0.93	1.05	1.28	2.86	1.53	1.59	2.05	1.98	2.01	3.13	1.78	1.54						
85	0.47	0.53	0.66	1.40	0.81	0.84	1.35	1.31	1.33	1.79	1.19	1.06						
90	0.34	0.31	0.29	0.31	0.28	0.29	0.85	0.81	0.81	0.84	0.85	0.87						
95	0.43	0.39	0.37	0.34	0.31	0.29	0.84	0.83	0.85	0.89	0.90	0.91						
100	0.55	0.50	0.48	0.45	0.40	0.37	0.88	0.88	0.91	0.96	0.97	0.98						
105	0.71	0.66	0.63	0.59	0.53	0.48	0.94	0.95	0.99	1.05	1.06	1.07						
110	0.93	0.88	0.83	0.78	0.70	0.64	1.04	1.05	1.11	1.18	1.20	1.22						
115	1.22	1.15	1.10	1.03	0.94	0.85	1.19	1.21	1.28	1.36	1.39	1.43						
120	1.57	1.49	1.42	1.33	1.23	1.13	1.40	1.42	1.49	1.57	1.63	1.69						
125	1.98	1.89	1.79	1.68	1.58	1.48	1.63	1.66	1.73	1.82	1.90	1.97						
130	2.42	2.31	2.19	2.05	1.98	1.87	1.87	1.92	2.01	2.11	2.20	2.27						
135	2.85	2.72	2.59	2.43	2.37	2.27	2.17	2.24	2.33	2.45	2.53	2.63						
140	3.26	3.14	2.99	2.82	2.78	2.69	2.56	2.63	2.72	2.81	2.92	3.05						
145	3.64	3.53	3.40	3.20	3.19	3.10	3.02	3.08	3.14	3.18	3.33	3.50						
150	4.01	3.93	3.78	3.56	3.61	3.52	3.48	3.54	3.58	3.54	3.72	3.91						
155	4.39	4.30	4.14	3.91	4.01	3.93	3.91	3.97	3.98	3.89	4.05	4.26						
160	4.75	4.63	4.42	4.24	4.37	4.34	4.32	4.37	4.33	4.20	4.32	4.55						
165	5.00	4.83	4.59	4.50	4.67	4.72	4.68	4.72	4.62	4.47	4.49	4.74						
170	5.03	4.81	4.66	4.69	4.85	4.97	4.91	4.91	4.82	4.67	4.60	4.73						
175	4.86	4.75	4.77	4.83	4.94	4.99	4.89	4.92	4.90	4.81	4.72	4.69						
180	4.86	4.88	4.92	4.94	4.94	4.86	4.88	4.87	4.92	4.93	4.95	4.86						

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: