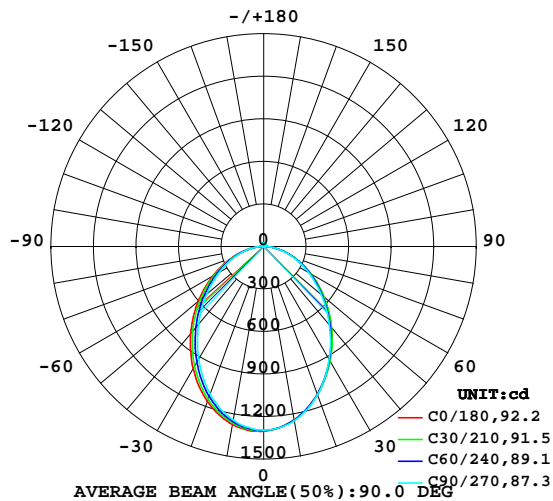


## LUMINAIRE PHOTOMETRIC TEST REPORT

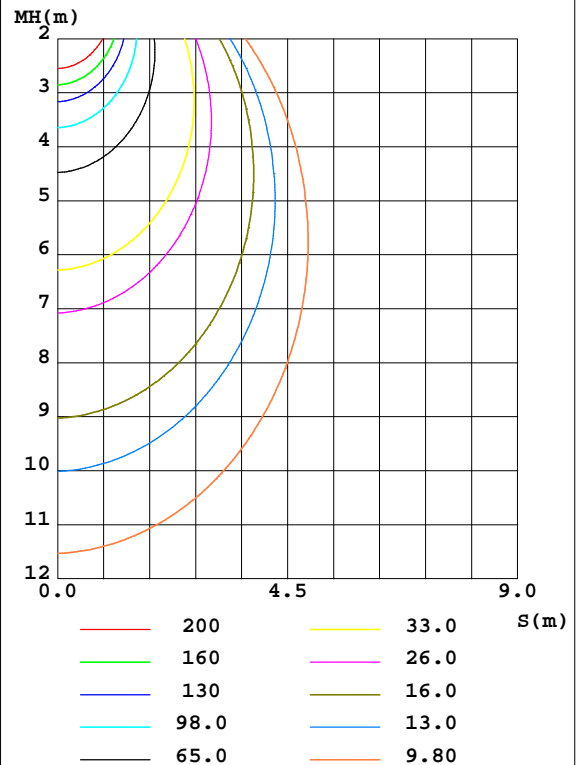
Test:U:220.40V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm		
NAME: LC-LL1603-30W-Diffuse 120°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.06 lm/W			
MODEL		Imax(cd)	1305	S/MH(C0/180)	1.09
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	1.09
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2988.2	$\eta$ UP,DN(C0-180)	1.4,48.3
NOMINAL FLUX(lm)	2988.16	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.5,48.8
LAMPS INSIDE	1	$\eta$ up(%)	2.9	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	220	$\eta$ down(%)	97.1	CIBSE SHR MAX	1.25

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:

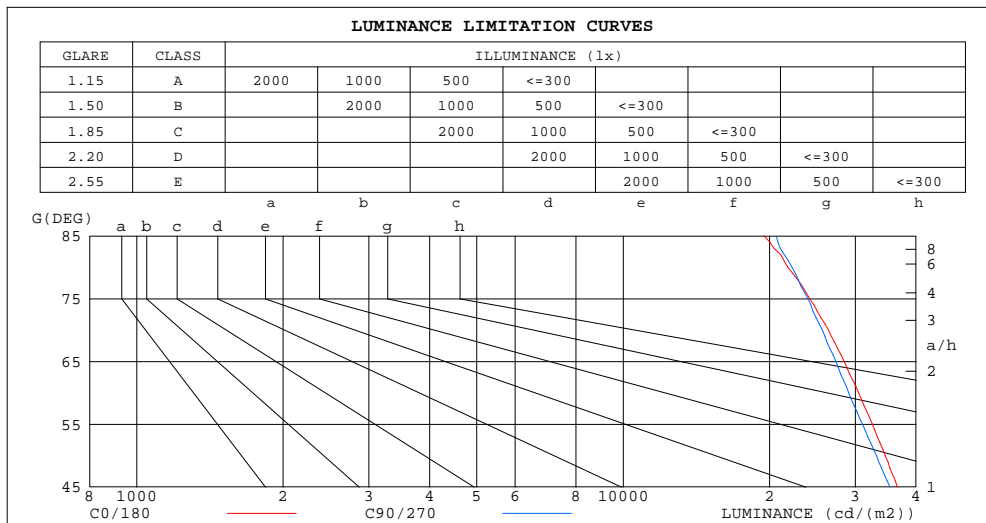
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1241	1244	1247	1253	1274	1259	1243	1236	0- 10	121.5	121.5	4.07,4.07
20	1108	1110	1113	1130	1163	1137	1107	1103	10- 20	335.5	457.0	15.3,15.3
30	933.1	930.9	924.3	953.4	995.0	959.5	918.1	923.1	20- 30	476.1	933.1	31.2,31.2
40	743.5	737.7	722.5	757.4	800.8	762.0	715.7	730.6	30- 40	528.1	1461	48.9,48.9
50	555.5	550.3	532.7	564.1	605.0	569.7	527.0	546.5	40- 50	501.6	1963	65.7,65.7
60	380.9	378.9	363.7	386.1	412.6	389.5	360.0	375.7	50- 60	417.6	2380	79.7,79.7
70	225.8	228.4	219.5	229.2	244.0	231.9	217.2	227.0	60- 70	299.9	2680	89.7,89.7
80	94.61	99.38	96.60	95.62	103.0	97.71	94.51	99.86	70- 80	169.6	2850	95.4,95.4
90	6.916	7.049	6.583	6.144	7.897	7.919	7.936	8.699	80- 90	50.71	2901	97.1,97.1
100	8.297	8.063	7.920	7.898	9.318	9.367	9.380	9.387	90-100	8.572	2909	97.4,97.4
110	10.64	10.36	10.26	10.11	11.19	11.25	11.38	11.33	100-110	10.27	2919	97.7,97.7
120	13.24	12.93	12.84	12.59	13.39	13.47	13.67	13.59	110-120	11.86	2931	98.1,98.1
130	15.95	15.65	15.55	15.23	15.66	15.79	16.04	15.97	120-130	12.94	2944	98.5,98.5
140	18.50	18.30	18.19	17.73	17.85	18.04	18.33	18.27	130-140	13.08	2957	99,99
150	20.67	20.67	20.57	20.11	20.05	20.20	20.47	20.44	140-150	12.07	2969	99.4,99.4
160	22.85	22.77	22.62	22.30	22.25	22.20	22.37	22.37	150-160	9.889	2979	99.7,99.7
170	24.72	24.28	24.21	24.12	24.41	24.02	24.01	23.97	160-170	6.594	2986	99.9,99.9
180	25.39	24.94	24.88	24.87	25.45	24.94	24.85	24.88	170-180	2.343	2988	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:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm		
NAME: LC-LL1603-30W-Diffuse 120°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	



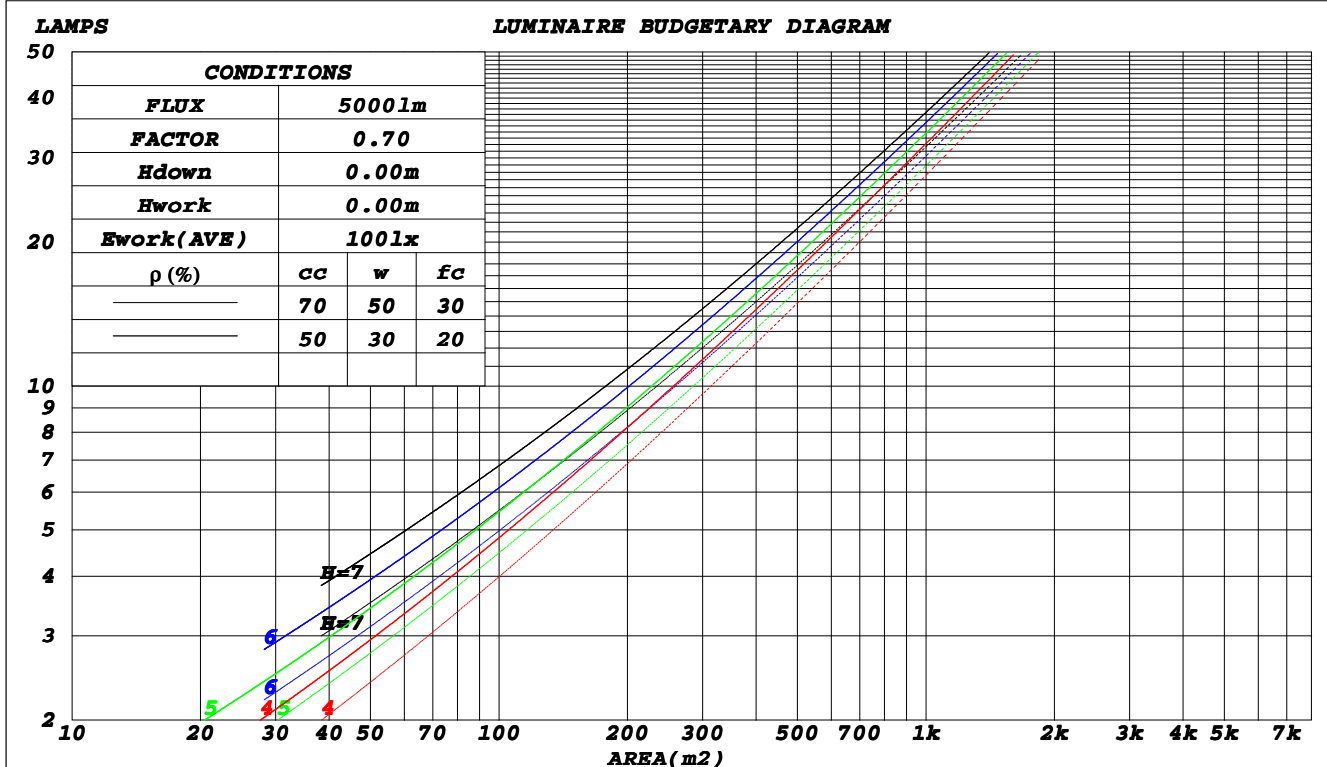
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: DAMIN  
Test Date: 2018-12-22

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:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.40V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm		
NAME: LC-LL1603-30W-Diffuse 120°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*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	1.04	1.00	.96	1.02	.98	.95	.97	.94	.91	.92	.90	.88	.88	.86	.85	.82
2.0	.92	.85	.80	.89	.83	.78	.85	.80	.76	.82	.78	.74	.78	.75	.72	.70
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.73	.68	.63	.70	.66	.62	.60
4.0	.72	.64	.57	.71	.63	.57	.68	.61	.56	.65	.59	.55	.63	.58	.54	.52
5.0	.65	.56	.50	.64	.56	.50	.61	.54	.49	.59	.53	.48	.57	.52	.47	.45
6.0	.59	.50	.44	.58	.50	.44	.56	.48	.43	.54	.47	.43	.52	.46	.42	.40
7.0	.54	.45	.39	.53	.45	.39	.51	.44	.39	.49	.43	.38	.48	.42	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.35	.45	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.32	.45	.37	.32	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.38	.32	.28	.27



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:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm		
NAME: LC-LL1603-30W-Diffuse 120°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*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	.291	.166	.052	.284	.162	.051	.269	.154	.049	.255	.147	.047	.242	.141	.045		
2.0	.274	.150	.046	.268	.147	.045	.254	.141	.044	.242	.136	.043	.231	.131	.041		
3.0	.255	.136	.041	.249	.133	.040	.237	.128	.039	.226	.124	.038	.216	.120	.037		
4.0	.236	.123	.036	.231	.121	.036	.220	.117	.035	.211	.113	.034	.202	.110	.033		
5.0	.219	.112	.032	.214	.110	.032	.205	.107	.031	.196	.104	.031	.188	.101	.030		
6.0	.204	.102	.029	.199	.101	.029	.191	.098	.028	.183	.095	.028	.176	.093	.028		
7.0	.190	.094	.027	.186	.093	.026	.179	.090	.026	.172	.088	.026	.165	.086	.025		
8.0	.178	.087	.024	.175	.086	.024	.168	.084	.024	.162	.082	.024	.156	.080	.023		
9.0	.167	.081	.023	.164	.080	.022	.158	.078	.022	.152	.076	.022	.147	.075	.022		
10.0	.158	.076	.021	.155	.075	.021	.149	.073	.021	.144	.072	.020	.139	.070	.020		

$\rho_{cc}$	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	.213	.213	.213	.182	.182	.182	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.202	.179	.158	.172	.153	.136	.118	.106	.094	.068	.061	.055	.022	.020	.018	
2.0	.193	.155	.123	.165	.133	.106	.113	.092	.074	.065	.054	.043	.021	.017	.014	
3.0	.184	.137	.099	.158	.118	.086	.109	.082	.060	.063	.048	.036	.020	.016	.012	
4.0	.177	.124	.083	.151	.107	.072	.104	.074	.051	.060	.044	.030	.019	.014	.010	
5.0	.169	.113	.072	.145	.098	.062	.100	.068	.044	.058	.040	.026	.019	.013	.009	
6.0	.162	.105	.064	.139	.091	.055	.096	.063	.039	.056	.037	.023	.018	.012	.008	
7.0	.155	.098	.057	.134	.085	.050	.092	.059	.035	.054	.035	.021	.017	.011	.007	
8.0	.149	.092	.053	.128	.080	.046	.089	.056	.033	.052	.033	.019	.017	.011	.006	
9.0	.143	.087	.049	.123	.076	.043	.085	.053	.030	.050	.031	.018	.016	.010	.006	
10.0	.138	.083	.046	.119	.072	.040	.082	.051	.029	.048	.030	.017	.016	.010	.006	

**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:220.40V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm										
NAME: LC-LL1603-30W-Dlffuse 120°					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	24.5	25.9	24.8	26.1	26.4	24.3	25.7	24.6	25.9	26.2
3H	25.8	27.1	26.1	27.4	27.6	25.6	26.9	25.9	27.2	27.4
4H	26.3	27.5	26.6	27.8	28.1	26.1	27.3	26.5	27.6	28.0
6H	26.7	27.8	27.0	28.2	28.5	26.5	27.7	26.9	28.0	28.3
8H	26.8	27.9	27.2	28.2	28.6	26.7	27.8	27.0	28.1	28.4
12H	26.9	27.9	27.3	28.3	28.7	26.7	27.8	27.1	28.2	28.5
4H 2H	25.0	26.2	25.3	26.5	26.8	24.8	26.1	25.2	26.4	26.7
3H	26.5	27.6	26.9	27.9	28.3	26.3	27.4	26.7	27.7	28.1
4H	27.1	28.1	27.6	28.5	28.9	27.0	28.0	27.4	28.3	28.7
6H	27.6	28.5	28.1	28.9	29.3	27.5	28.4	28.0	28.8	29.2
8H	27.8	28.6	28.3	29.1	29.5	27.7	28.5	28.2	28.9	29.4
12H	28.0	28.7	28.4	29.1	29.6	27.9	28.6	28.3	29.0	29.5
8H 4H	27.4	28.2	27.8	28.6	29.0	27.2	28.0	27.7	28.5	28.9
6H	28.0	28.7	28.5	29.2	29.7	27.9	28.6	28.4	29.1	29.5
8H	28.3	28.9	28.8	29.4	29.9	28.2	28.8	28.7	29.3	29.8
12H	28.5	29.0	29.0	29.5	30.1	28.4	28.9	29.0	29.4	30.0
12H 4H	27.4	28.1	27.9	28.6	29.0	27.2	28.0	27.7	28.4	28.9
6H	28.1	28.7	28.6	29.2	29.7	28.0	28.6	28.5	29.1	29.6
8H	28.4	28.9	28.9	29.4	29.9	28.3	28.8	28.8	29.3	29.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.1 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 2988 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 3.8$ )

**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:220.40V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm		
NAME: LC-LL1603-30W-Diffuse 120°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	

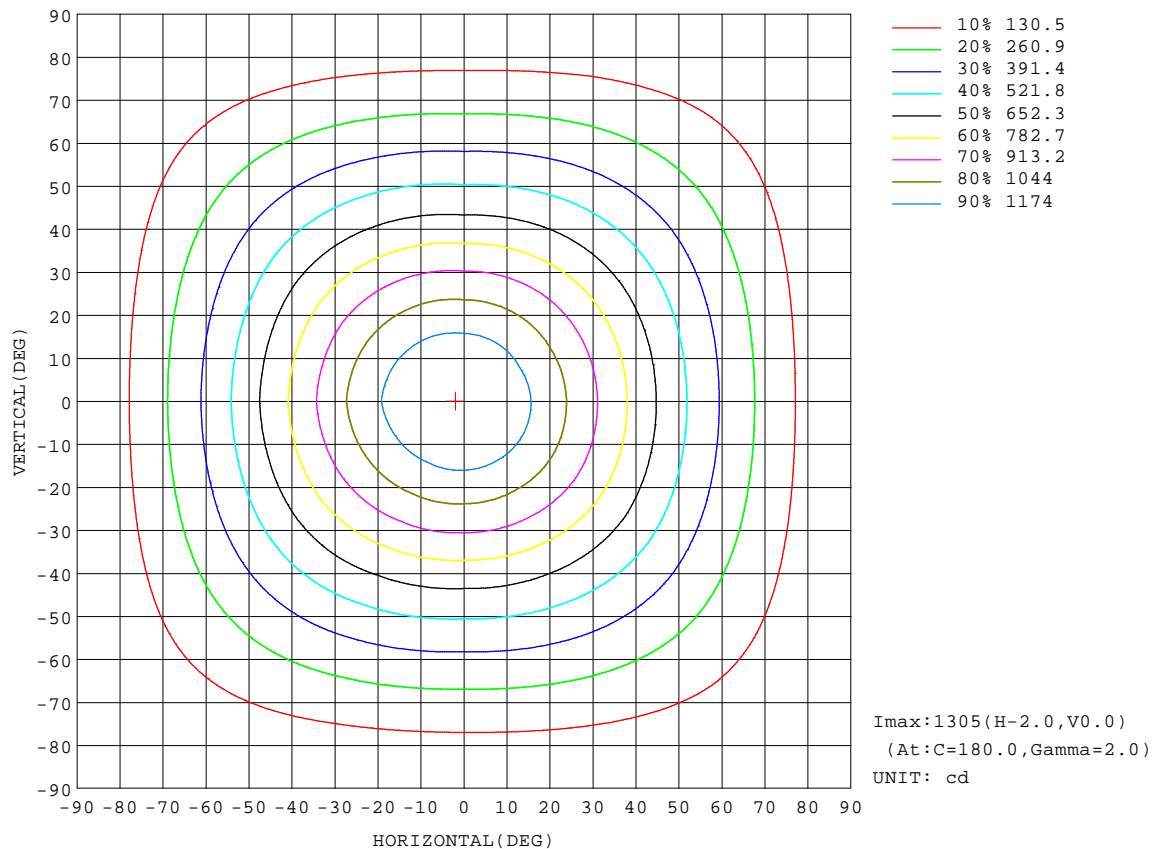
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	60	49	42	59	49	42	58	48	42	36
0.80	70	59	52	69	58	52	67	57	51	44
1.00	78	67	60	77	67	60	74	68	59	52
1.25	85	75	68	83	74	68	80	72	67	59
1.50	89	80	74	88	79	73	84	77	72	64
2.00	96	88	82	94	86	81	90	84	79	71
2.50	99	92	86	97	91	85	93	88	83	74
3.00	103	96	91	100	94	90	96	91	87	78
4.00	106	101	97	104	99	95	99	95	92	82
5.00	109	104	100	106	102	98	101	98	95	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: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:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm		
NAME: LC-LL1603-30W-Diffuse 120°	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

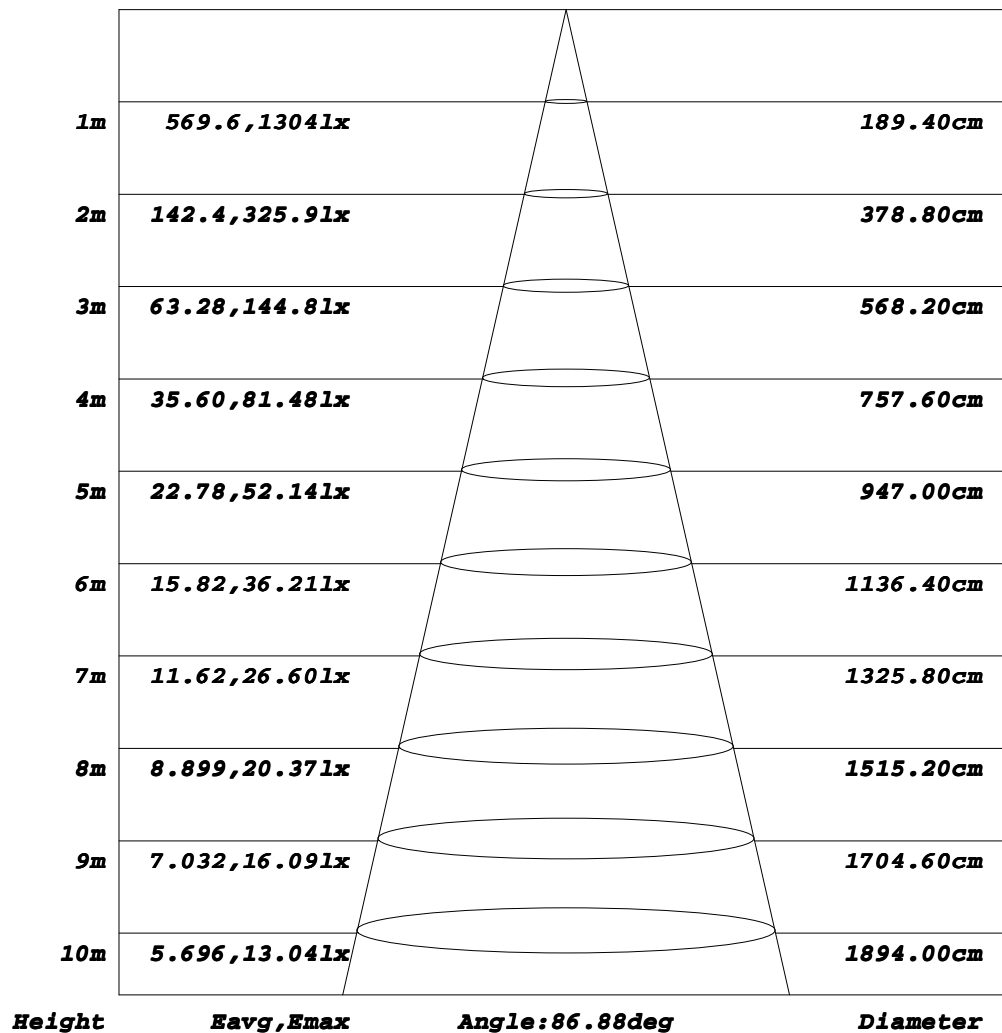
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.406.11  
Humidity:65.0%  
Test Distance:8.000m [K=0.7063]  
Remarks:



## AAI Figure

Test:U:220.40V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm		
NAME: LC-LL1603-30W-Diffuse 120°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	

Flux out:1669 lm



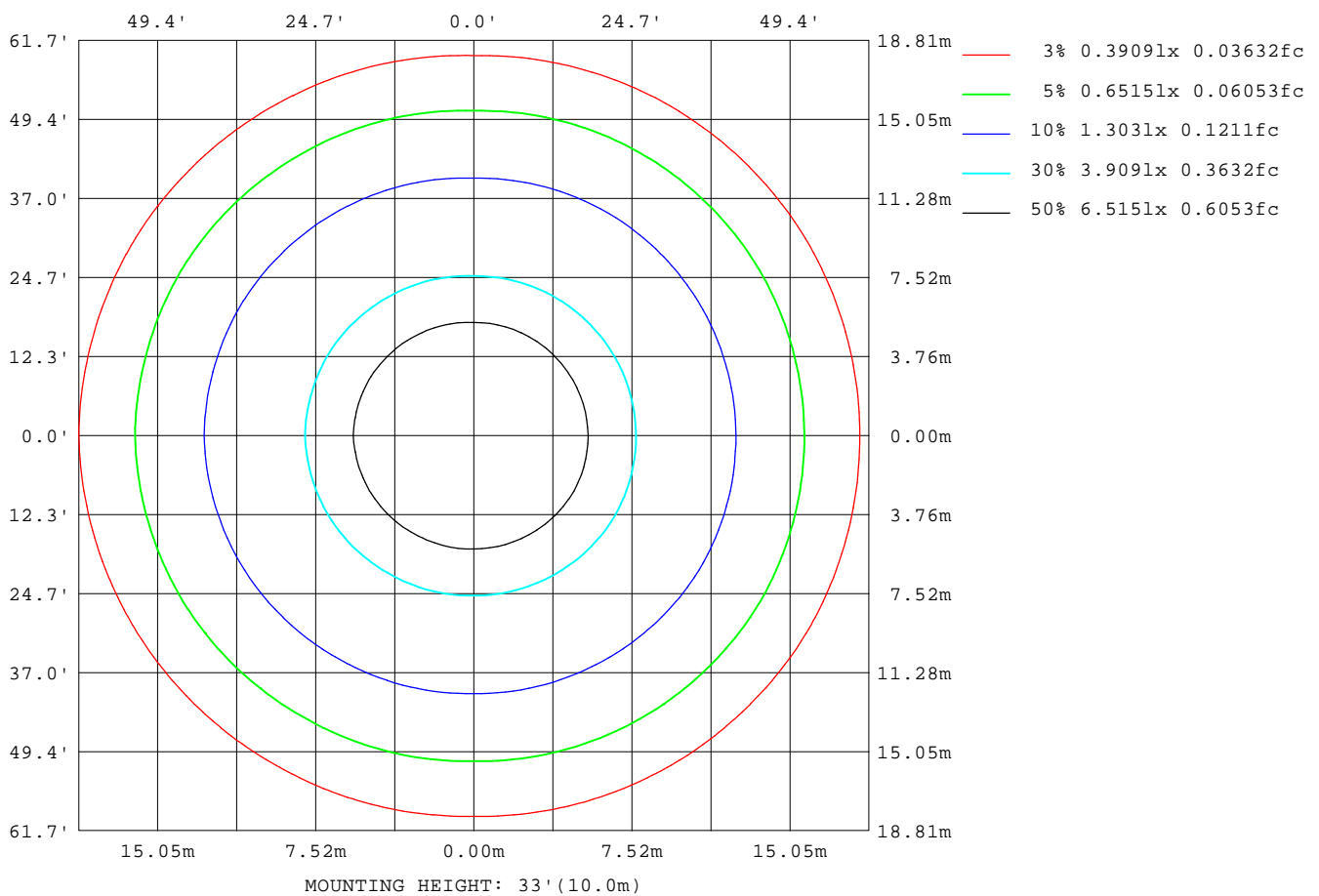
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

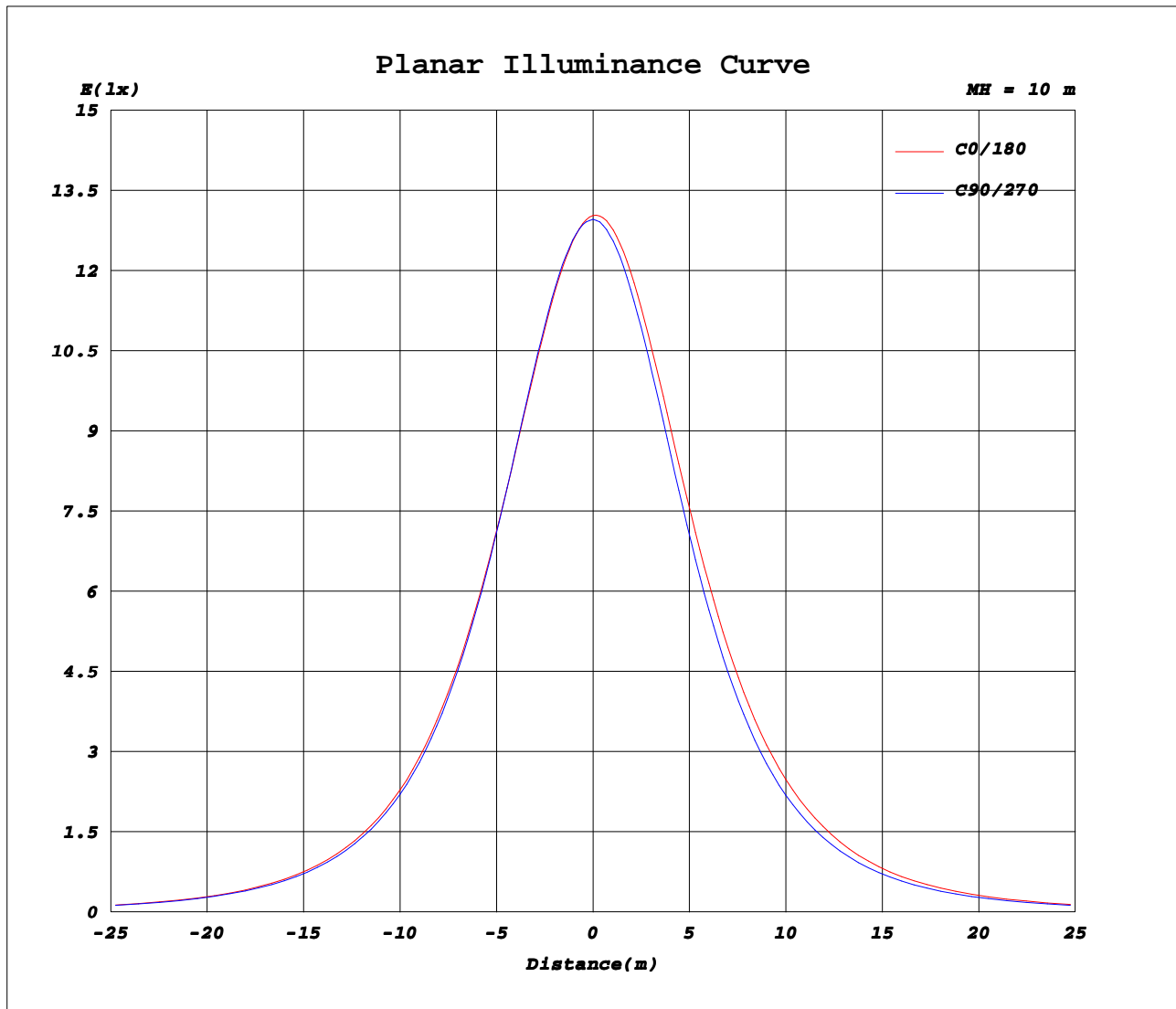
Test:U:220.40V I:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm		
NAME: LC-LL1603-30W-Diffuse 120°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	



**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

$\gamma$  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:0.1310A P:27.400W PF:0.9460 Freq:50.00Hz Lamp Flux:2988.16x1 lm		
NAME: LC-LL1603-30W-Diffuse 120°	TYPE:LED	
MFR.: LOW-CARBON	DIM.: 650*40*95mm	

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1303	1301	1298	1296	1294	1292	1303	1301	1298	1296	1294	1292						
5	1282	1282	1282	1283	1283	1286	1300	1294	1288	1281	1278	1273						
10	1241	1243	1244	1247	1250	1257	1274	1264	1255	1243	1240	1232						
15	1182	1184	1185	1189	1195	1207	1227	1215	1199	1185	1181	1176						
20	1108	1111	1109	1113	1121	1140	1163	1147	1126	1107	1104	1101						
25	1024	1026	1021	1022	1034	1059	1084	1066	1039	1017	1016	1017						
30	933	936	926	924	938	968	995	975	944	918	920	926						
35	839	842	827	825	839	874	900	879	844	817	823	831						
40	743	745	730	723	740	775	801	780	744	716	725	736						
45	648	651	633	625	642	676	702	681	648	618	632	642						
50	556	558	543	533	549	580	605	584	555	527	542	551						
55	466	468	456	445	460	486	506	490	463	441	453	463						
60	381	384	374	364	376	396	413	400	379	360	372	379						
65	301	304	298	289	297	312	326	317	300	287	296	302						
70	226	231	226	220	224	235	244	238	226	217	225	229						
75	157	162	159	155	155	162	170	164	158	153	160	160						
80	94.6	100	98.4	96.6	93.6	97.7	103	98.6	96.8	94.5	100	99.3						
85	42.4	46.4	46.3	45.0	40.9	41.4	45.8	42.3	43.2	43.8	48.2	46.4						
90	6.92	7.00	7.10	6.58	6.15	6.14	7.90	7.94	7.90	7.94	8.85	8.55						
95	7.30	7.16	7.00	6.91	6.95	6.94	8.53	8.59	8.58	8.53	8.53	8.63						
100	8.30	8.15	7.97	7.92	7.90	7.89	9.32	9.38	9.35	9.38	9.32	9.45						
105	9.44	9.27	9.07	9.04	8.98	8.96	10.2	10.3	10.3	10.3	10.3	10.4						
110	10.6	10.5	10.2	10.3	10.1	10.1	11.2	11.2	11.3	11.4	11.3	11.4						
115	11.9	11.7	11.5	11.5	11.3	11.3	12.2	12.3	12.3	12.5	12.3	12.5						
120	13.2	13.0	12.8	12.8	12.6	12.6	13.4	13.4	13.5	13.7	13.5	13.6						
125	14.6	14.4	14.2	14.2	13.9	13.9	14.5	14.6	14.7	14.9	14.7	14.8						
130	16.0	15.7	15.5	15.5	15.3	15.2	15.7	15.8	15.8	16.0	15.9	16.0						
135	17.2	17.1	16.9	16.9	16.6	16.5	16.8	16.9	16.9	17.2	17.1	17.2						
140	18.5	18.4	18.2	18.2	17.8	17.6	17.8	18.0	18.1	18.3	18.2	18.3						
145	19.6	19.6	19.4	19.4	19.0	18.8	18.9	19.1	19.2	19.5	19.3	19.4						
150	20.7	20.8	20.6	20.6	20.2	20.0	20.0	20.2	20.2	20.5	20.4	20.5						
155	21.8	21.9	21.7	21.6	21.4	21.0	21.2	21.1	21.3	21.4	21.4	21.5						
160	22.8	22.9	22.6	22.6	22.4	22.2	22.3	22.1	22.3	22.4	22.3	22.5						
165	23.9	23.8	23.4	23.5	23.4	23.2	23.4	23.1	23.2	23.2	23.1	23.3						
170	24.7	24.4	24.2	24.2	24.2	24.1	24.4	24.0	24.0	24.0	23.9	24.0						
175	25.2	24.8	24.6	24.7	24.7	24.7	25.1	24.6	24.6	24.6	24.5	24.5						
180	25.4	25.0	24.8	24.9	24.9	24.9	25.5	25.0	24.9	24.8	24.9	24.9						

**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:**