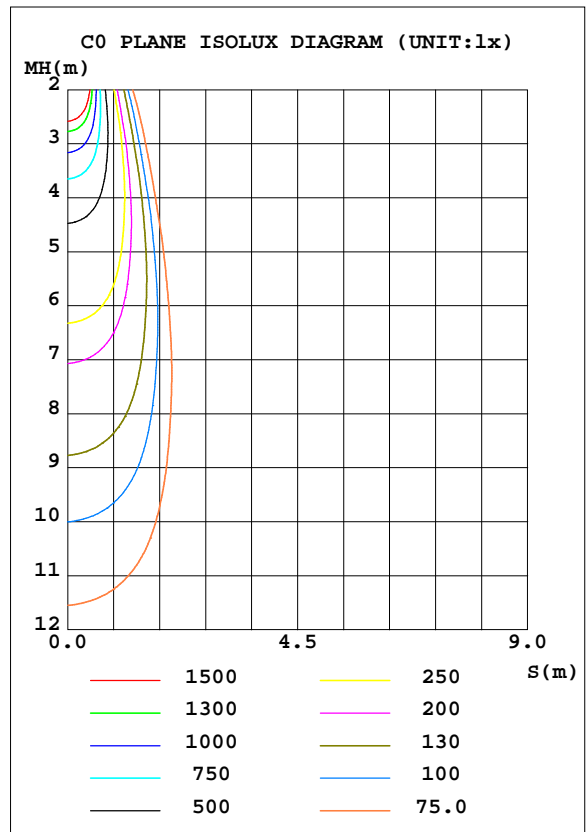
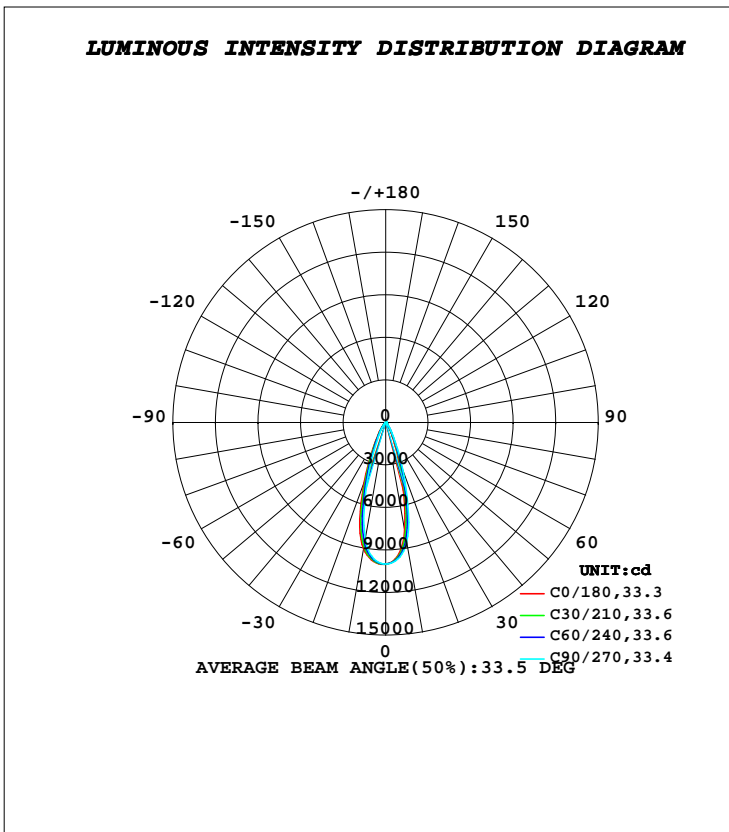


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz		
Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	

DATA OF LAMP		PHOTOMETRIC DATA Eff: 100.23 lm/W			
MODEL		I _{max} (cd)	10010	S/MH(C0/180)	0.48
NOMINAL POWER(W)	40	LOR(%)	100.0	S/MH(C90/270)	0.55
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3929.0	η UP, DN(C0-180)	1.3,48.0
NOMINAL FLUX(lm)	3929	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.6,49.2
LAMPS INSIDE	1	η up(%)	2.9	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	97.1	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

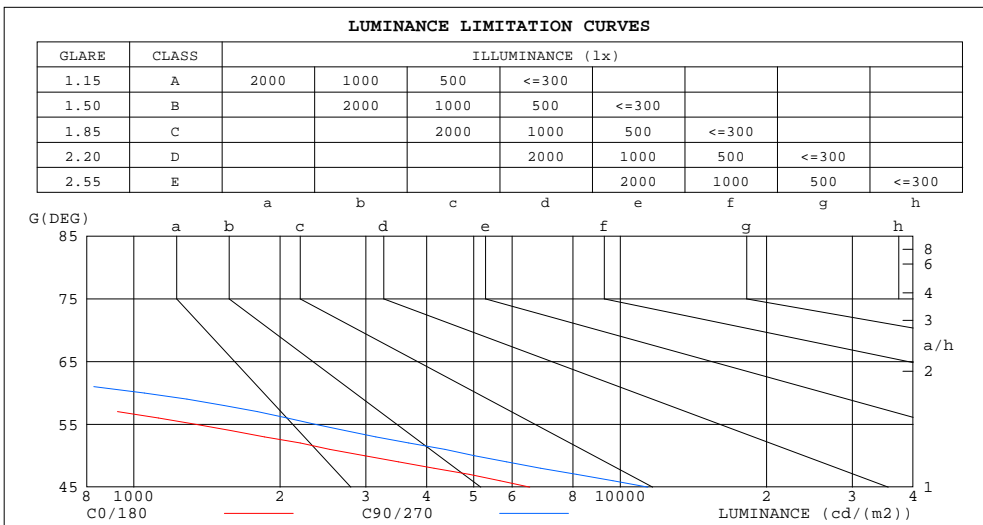
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	772.1	818.5	856.4	888.1	902.9	875.4	835.7	803.5	0- 10	886.5	886.5	22.6,22.6
20	247.1	301.0	350.8	405.8	436.4	386.9	319.9	278.6	10- 20	1609	2496	63.5,63.5
30	66.87	81.92	96.80	115.3	125.9	108.3	85.35	73.66	20- 30	847.4	3343	85.1,85.1
40	16.49	22.18	27.31	32.81	35.55	29.32	21.60	18.06	30- 40	334.7	3678	93.6,93.6
50	3.263	4.305	5.490	7.238	8.360	6.913	4.958	3.921	40- 50	104.4	3782	96.3,96.3
60	0.4098	0.6283	0.8932	1.307	1.586	1.279	0.8472	0.5950	50- 60	23.47	3805	96.9,96.9
70	0.1214	0.1015	0.1351	0.2616	0.3898	0.4352	0.4193	0.3067	60- 70	4.222	3810	97,97
80	0.0979	0.0487	0.0908	0.2896	0.4947	0.5668	0.5444	0.3763	70- 80	3.055	3813	97,97
90	0.1379	0.0634	0.1099	0.3644	0.6265	0.7051	0.6674	0.4660	80- 90	3.866	3817	97.1,97.1
100	0.2989	0.1981	0.2278	0.4791	0.7445	0.8289	0.8001	0.6114	90-100	4.941	3821	97.3,97.3
110	0.6109	0.4911	0.5004	0.7239	0.9711	1.074	1.074	0.9050	100-110	6.826	3828	97.4,97.4
120	1.116	0.9485	0.9234	1.129	1.371	1.487	1.509	1.372	110-120	9.895	3838	97.7,97.7
130	1.933	1.742	1.672	1.787	1.956	2.098	2.180	2.109	120-130	13.92	3852	98,98
140	3.006	2.805	2.701	2.735	2.833	2.976	3.095	3.090	130-140	18.47	3871	98.5,98.5
150	4.119	3.982	3.899	3.881	3.916	4.044	4.164	4.174	140-150	21.61	3892	99.1,99.1
160	4.429	4.514	4.591	4.658	4.721	4.814	4.846	4.697	150-160	20.39	3913	99.6,99.6
170	3.722	3.945	4.115	4.213	4.263	4.284	4.232	4.030	160-170	12.67	3925	99.9,99.9
180	3.647	3.682	3.697	3.678	3.657	3.676	3.693	3.679	170-180	3.726	3929	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:2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz		
Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	730	635
80	332	308
75	231	234
70	209	232
65	221	280
60	482	1051
55	1344	2365
50	2986	5025
45	6520	11407

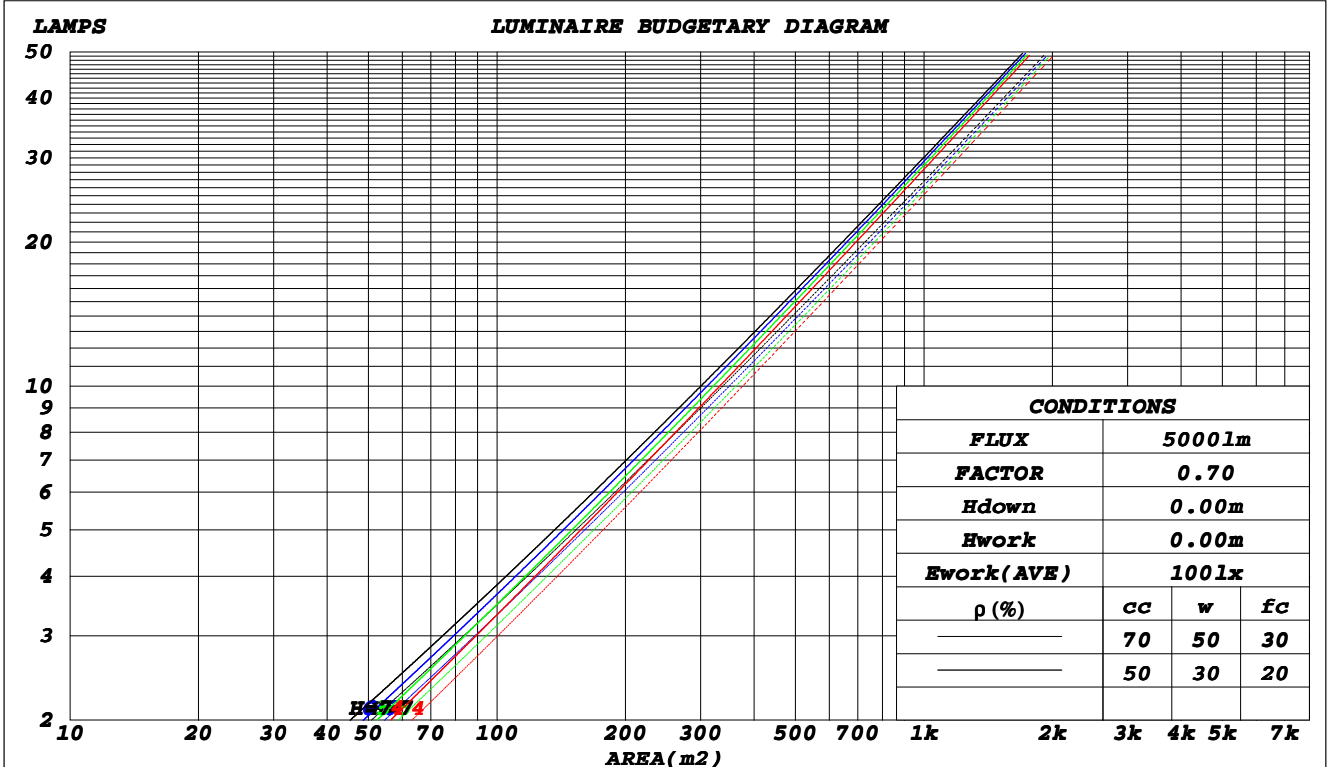
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz		
Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	

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	1.10	1.10	1.10	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	1.00	.99	.98	.96	.95	.95	.93
2.0	1.05	1.01	.99	1.03	.99	.97	.99	.97	.95	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.92	.90	.87	.90	.87	.86	.84
4.0	.94	.90	.86	.93	.89	.86	.91	.87	.84	.88	.85	.83	.86	.84	.82	.80
5.0	.90	.85	.81	.89	.84	.81	.87	.83	.80	.85	.82	.79	.83	.80	.78	.77
6.0	.86	.81	.77	.85	.80	.77	.83	.79	.76	.82	.78	.76	.80	.77	.75	.74
7.0	.82	.77	.74	.81	.77	.73	.80	.76	.73	.79	.75	.72	.77	.74	.72	.71
8.0	.79	.74	.70	.78	.73	.70	.77	.73	.70	.76	.72	.69	.75	.71	.69	.68
9.0	.76	.71	.68	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.65
10.0	.73	.68	.65	.72	.68	.65	.71	.67	.64	.70	.67	.64	.70	.66	.64	.63



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:8.000m [K=0.7063]
 Remarks:

WEC AND CCEC

Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz		
Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	

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	.156	.089	.028	.149	.085	.027	.135	.077	.025	.122	.070	.023	.110	.064	.021	
2.0	.147	.080	.025	.140	.077	.024	.128	.071	.022	.117	.066	.021	.107	.061	.019	
3.0	.138	.073	.022	.132	.071	.021	.122	.066	.020	.113	.062	.019	.104	.058	.018	
4.0	.130	.068	.020	.125	.066	.019	.117	.062	.018	.109	.058	.018	.101	.055	.017	
5.0	.123	.063	.018	.119	.061	.018	.111	.058	.017	.104	.055	.016	.098	.052	.016	
6.0	.117	.059	.017	.113	.057	.016	.107	.055	.016	.100	.052	.015	.095	.050	.015	
7.0	.111	.055	.016	.108	.054	.015	.102	.052	.015	.097	.050	.014	.091	.048	.014	
8.0	.106	.052	.015	.104	.051	.014	.098	.049	.014	.093	.047	.014	.089	.045	.013	
9.0	.102	.049	.014	.099	.048	.014	.095	.047	.013	.090	.045	.013	.086	.044	.013	
10.0	.098	.047	.013	.095	.046	.013	.091	.045	.013	.087	.043	.012	.083	.042	.012	

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	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.192	.179	.168	.164	.154	.145	.112	.106	.100	.065	.061	.058	.021	.020	.019	
2.0	.175	.155	.138	.150	.133	.119	.103	.092	.083	.059	.054	.049	.019	.017	.016	
3.0	.161	.136	.115	.138	.117	.100	.095	.081	.070	.055	.047	.041	.018	.015	.014	
4.0	.150	.121	.098	.129	.104	.085	.088	.073	.060	.051	.043	.036	.016	.014	.012	
5.0	.140	.109	.086	.120	.094	.074	.083	.066	.053	.048	.039	.031	.015	.013	.010	
6.0	.132	.099	.076	.113	.086	.066	.078	.060	.047	.045	.035	.028	.015	.012	.009	
7.0	.125	.091	.068	.108	.079	.059	.074	.055	.042	.043	.033	.025	.014	.011	.008	
8.0	.119	.085	.061	.102	.074	.054	.071	.052	.038	.041	.030	.023	.013	.010	.007	
9.0	.114	.079	.056	.098	.069	.049	.068	.048	.035	.039	.029	.021	.013	.009	.007	
10.0	.109	.075	.052	.094	.065	.046	.065	.046	.032	.038	.027	.019	.012	.009	.006	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz		
Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	

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	11.4	12.1	11.6	12.3	12.5	13.2	13.9	13.4	14.1	14.3
3H	11.2	11.9	11.5	12.1	12.4	13.0	13.7	13.3	13.9	14.2
4H	11.1	11.8	11.4	12.0	12.3	12.9	13.6	13.2	13.8	14.1
6H	11.0	11.6	11.4	11.9	12.2	12.8	13.4	13.2	13.7	14.0
8H	11.0	11.6	11.3	11.9	12.2	12.8	13.4	13.1	13.7	14.0
12H	10.9	11.5	11.3	11.8	12.1	12.7	13.3	13.1	13.6	13.9
4H 2H	11.1	11.8	11.4	12.0	12.3	12.9	13.6	13.2	13.8	14.1
3H	10.9	11.5	11.3	11.8	12.1	12.7	13.3	13.1	13.6	13.9
4H	10.8	11.4	11.2	11.7	12.1	12.6	13.2	13.0	13.5	13.9
6H	10.7	11.2	11.2	11.6	12.0	12.5	13.0	12.9	13.4	13.8
8H	10.7	11.1	11.1	11.5	11.9	12.5	12.9	12.9	13.3	13.7
12H	10.6	11.0	11.1	11.4	11.9	12.4	12.8	12.9	13.2	13.7
8H 4H	10.7	11.1	11.1	11.5	11.9	12.5	12.9	12.9	13.3	13.7
6H	10.6	10.9	11.0	11.4	11.8	12.4	12.7	12.8	13.1	13.6
8H	10.5	10.8	11.0	11.3	11.8	12.3	12.6	12.8	13.1	13.6
12H	10.5	10.7	11.0	11.2	11.7	12.2	12.5	12.7	13.0	13.5
12H 4H	10.6	11.0	11.1	11.4	11.9	12.4	12.8	12.9	13.2	13.7
6H	10.5	10.8	11.0	11.3	11.8	12.3	12.6	12.8	13.1	13.6
8H	10.4	10.7	11.0	11.2	11.7	12.2	12.5	12.7	13.0	13.5
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 2.5 / -12.4					+ 3.7 / -11.6				
1.5H	+ 4.2 / - 8.3					+ 5.6 / - 9.5				
2.0H	+ 6.0 / -10.9					+ 7.1 / -13.0				

CIE Pub.117, 3929 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 4.8)
 Area: 0.017 m2

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-05-04

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
 Humidity:65.0%
 Test Distance:8.000m [K=0.7063]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	

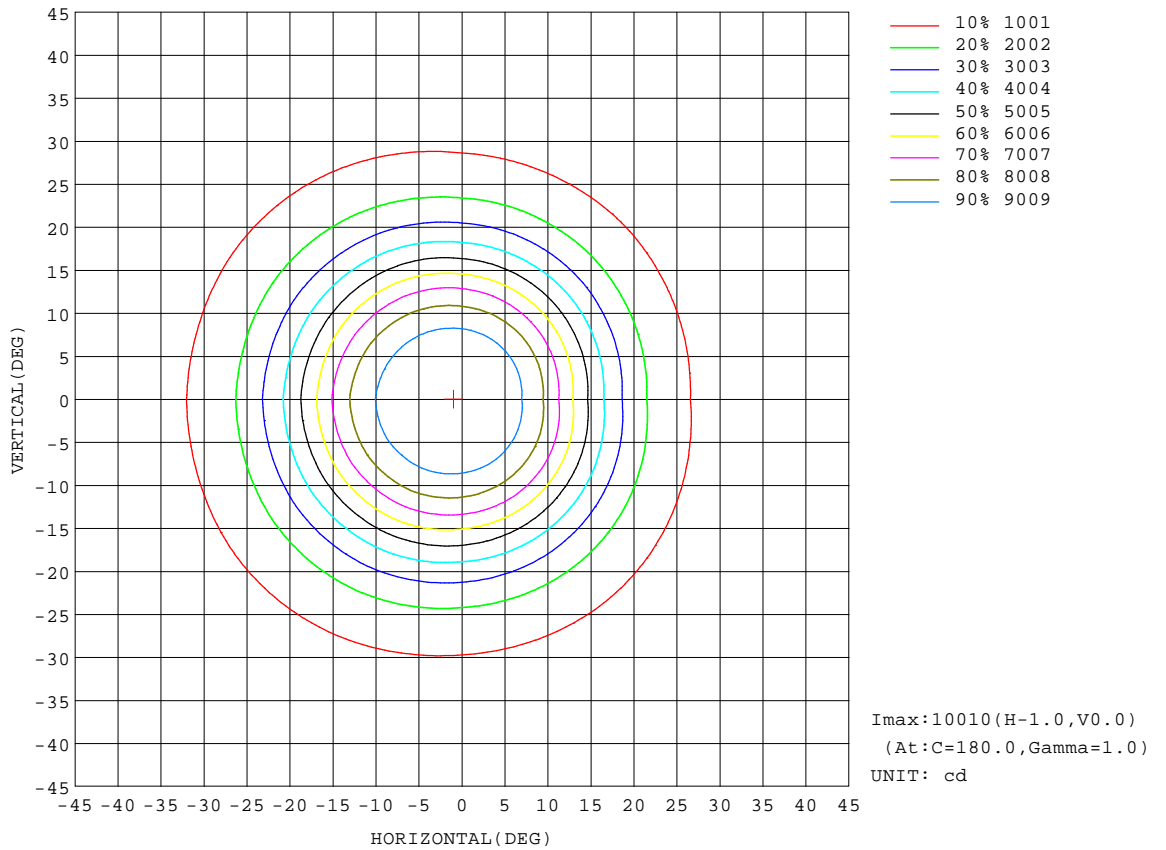
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	88	81	78	87	81	78	86	81	77	74
0.80	95	89	86	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	96	93	89	85
1.25	103	98	94	102	97	94	99	96	93	88
1.50	105	101	98	104	100	97	102	98	96	91
2.00	108	104	101	106	103	100	103	100	98	92
2.50	110	106	103	108	104	102	104	102	100	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	110	108	111	109	107	107	105	104	96
5.00	114	112	110	112	110	109	108	106	105	97
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:2022-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

ISOCANDELA DIAGRAM

Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz		
Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	



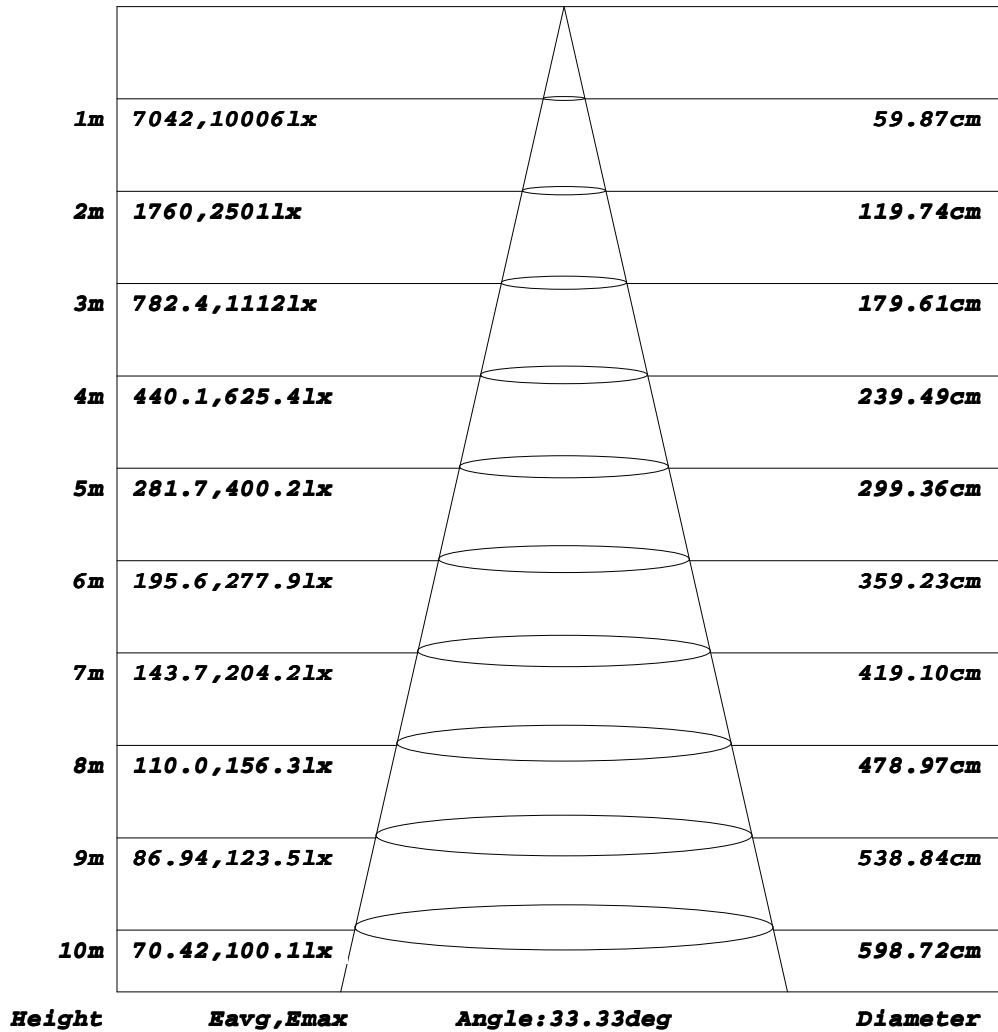
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

AAI Figure

Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz		
Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	

Flux out:2068 lm



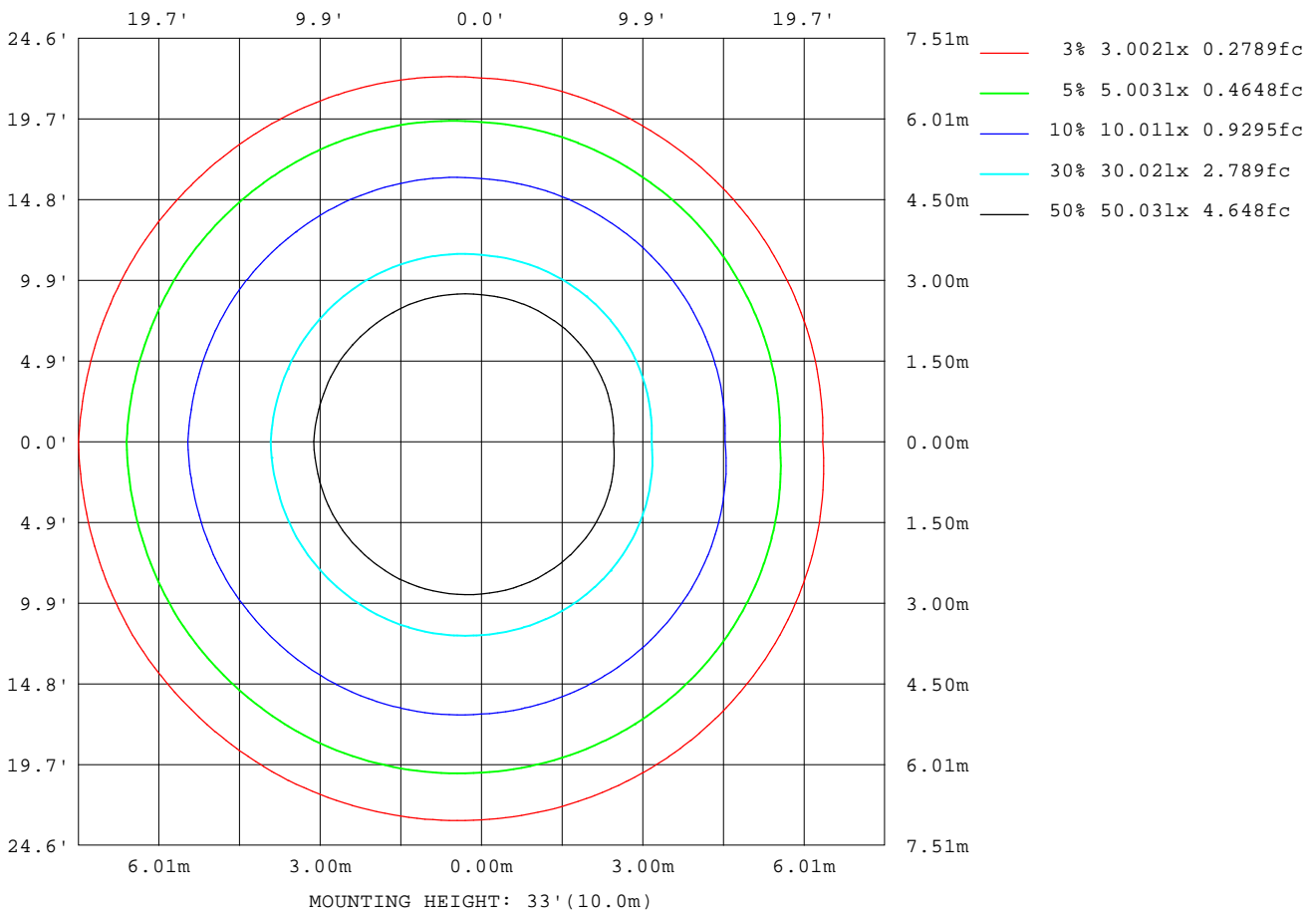
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

ISOLUX DIAGRAM

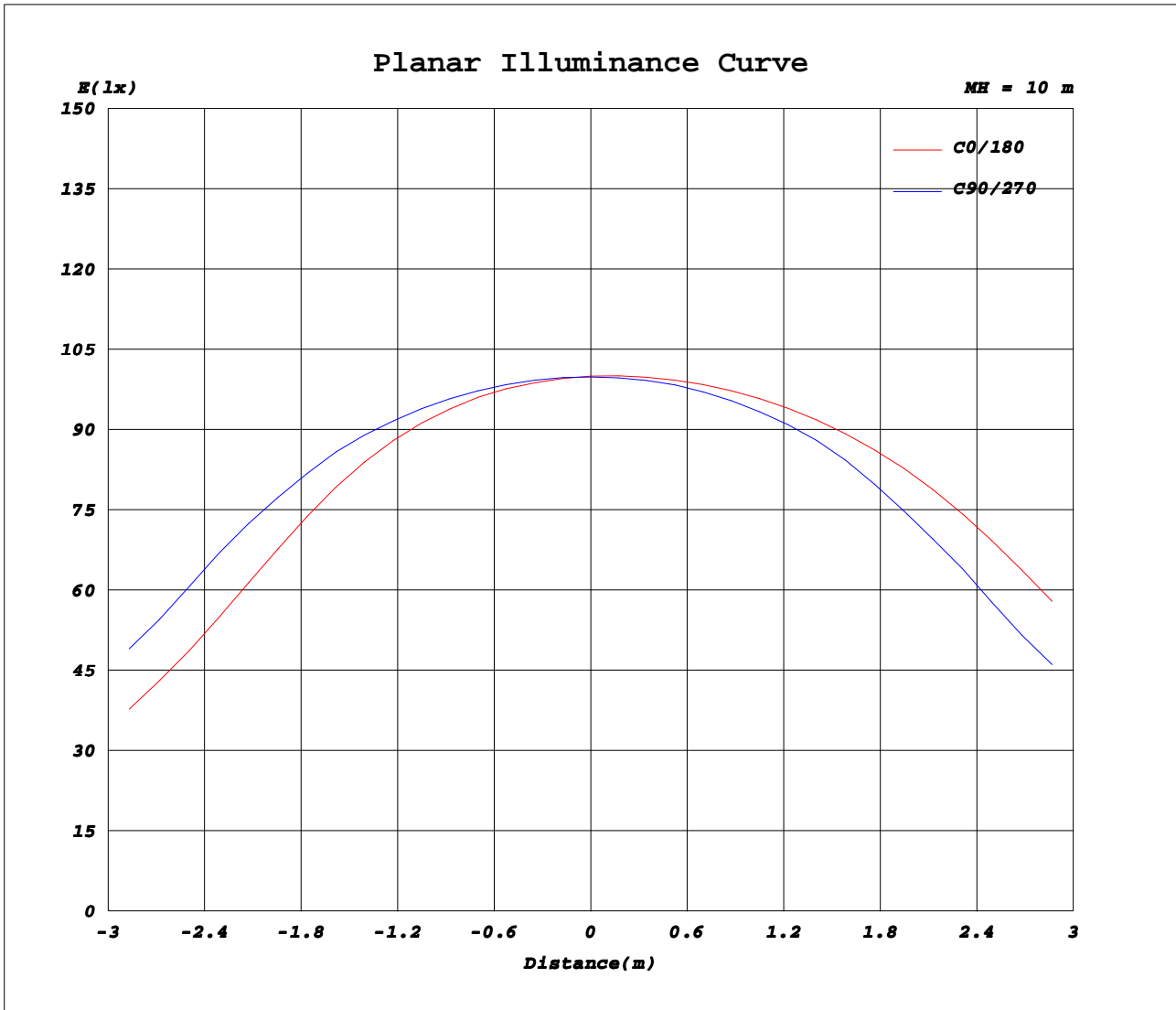
Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz		
Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2022-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
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: 2022-05-04

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.443
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:221.70V I:0.1880A P:39.200W PF:0.9750 Freq:50.00Hz		
Lamp Flux:3929x1 lm		
Name: NS47-φ170.5mm-40W	Type: LED	
MFR.: Lumega Group	DIM.: D170.5*190mm	
	SUR.: D150mm	

Table--1

UNIT: x10cd

C(DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	1000	999	999	999	999	1000	1000	1000	999	999	999	999							
5	950	957	963	969	976	981	984	979	973	965	960	955							
10	772	804	833	856	880	896	903	887	863	836	814	793							
15	479	524	566	606	653	689	708	675	627	573	537	506							
20	247	284	318	351	390	421	436	408	366	320	291	267							
25	122	142	161	180	206	227	238	218	189	158	141	129							
30	66.9	76.9	86.9	96.8	110	121	126	116	101	85.4	76.7	70.6							
35	32.2	40.8	48.6	55.7	63.8	69.9	72.5	65.9	56.6	46.6	40.5	35.7							
40	16.5	20.4	24.0	27.3	31.3	34.3	35.6	31.8	26.8	21.6	18.9	17.2							
45	7.84	9.90	11.9	13.7	16.0	17.8	18.6	16.6	13.9	11.0	9.49	8.42							
50	3.26	3.93	4.68	5.49	6.72	7.76	8.36	7.53	6.30	4.96	4.20	3.64							
55	1.31	1.63	1.96	2.31	2.79	3.20	3.44	3.18	2.75	2.26	1.92	1.60							
60	0.41	0.55	0.71	0.89	1.18	1.43	1.59	1.41	1.15	0.85	0.67	0.52							
65	0.16	0.14	0.15	0.20	0.33	0.46	0.57	0.55	0.48	0.40	0.32	0.25							
70	0.12	0.10	0.10	0.14	0.22	0.31	0.39	0.43	0.44	0.42	0.36	0.26							
75	0.10	0.07	0.07	0.10	0.21	0.32	0.43	0.48	0.50	0.48	0.40	0.27							
80	0.10	0.05	0.05	0.09	0.22	0.36	0.49	0.56	0.58	0.54	0.45	0.30							
85	0.11	0.05	0.05	0.09	0.24	0.41	0.56	0.63	0.65	0.61	0.51	0.34							
90	0.14	0.07	0.06	0.11	0.27	0.46	0.63	0.70	0.71	0.67	0.55	0.38							
95	0.20	0.12	0.10	0.15	0.32	0.51	0.68	0.76	0.77	0.73	0.62	0.44							
100	0.30	0.21	0.19	0.23	0.39	0.57	0.74	0.82	0.84	0.80	0.69	0.53							
105	0.44	0.34	0.31	0.34	0.49	0.67	0.84	0.91	0.94	0.91	0.82	0.66							
110	0.61	0.51	0.47	0.50	0.64	0.81	0.97	1.06	1.09	1.07	0.98	0.83							
115	0.83	0.71	0.67	0.69	0.83	0.99	1.16	1.25	1.29	1.27	1.19	1.04							
120	1.12	0.98	0.92	0.92	1.05	1.21	1.37	1.46	1.51	1.51	1.44	1.31							
125	1.49	1.34	1.27	1.26	1.35	1.49	1.63	1.73	1.79	1.81	1.76	1.65							
130	1.93	1.79	1.70	1.67	1.74	1.84	1.96	2.06	2.14	2.18	2.15	2.07							
135	2.44	2.29	2.19	2.15	2.19	2.26	2.36	2.46	2.55	2.61	2.60	2.54							
140	3.01	2.86	2.75	2.70	2.71	2.76	2.83	2.93	3.02	3.10	3.10	3.07							
145	3.60	3.46	3.36	3.30	3.28	3.30	3.34	3.44	3.54	3.63	3.65	3.64							
150	4.12	4.02	3.95	3.90	3.88	3.88	3.92	4.00	4.09	4.16	4.18	4.17							
155	4.44	4.42	4.40	4.40	4.39	4.40	4.42	4.49	4.56	4.61	4.59	4.53							
160	4.43	4.49	4.54	4.59	4.64	4.68	4.72	4.79	4.84	4.85	4.77	4.63							
165	4.11	4.22	4.32	4.41	4.49	4.56	4.62	4.67	4.68	4.64	4.53	4.35							
170	3.72	3.88	4.01	4.11	4.19	4.24	4.26	4.29	4.28	4.23	4.12	3.94							
175	3.55	3.66	3.74	3.81	3.86	3.89	3.91	3.91	3.89	3.85	3.78	3.68							
180	3.65	3.67	3.69	3.70	3.69	3.67	3.66	3.67	3.68	3.69	3.69	3.67							

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