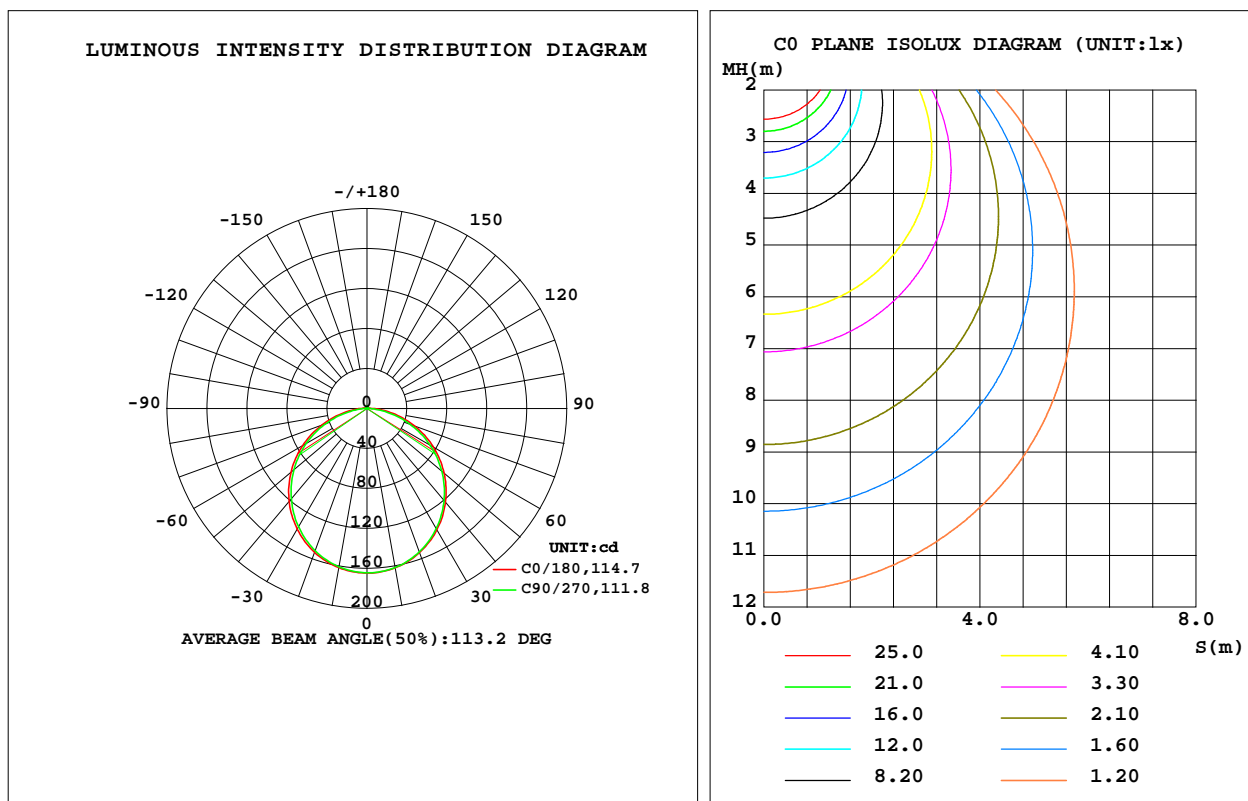


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.49 lm/W			
MODEL	NMT0606	I _{max} (cd)	164.6	S/MH(C0/180)	1.27
NOMINAL POWER(W)	7.2	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	488.88	h UP,DN(C0-180)	1.2,49.5
NOMINAL FLUX(lm)	488.878	CIE CLASS	DIRECT	h UP,DN(C180-360)	1.1,48.2
LAMPS INSIDE	1	h up(%)	2.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	97.7	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

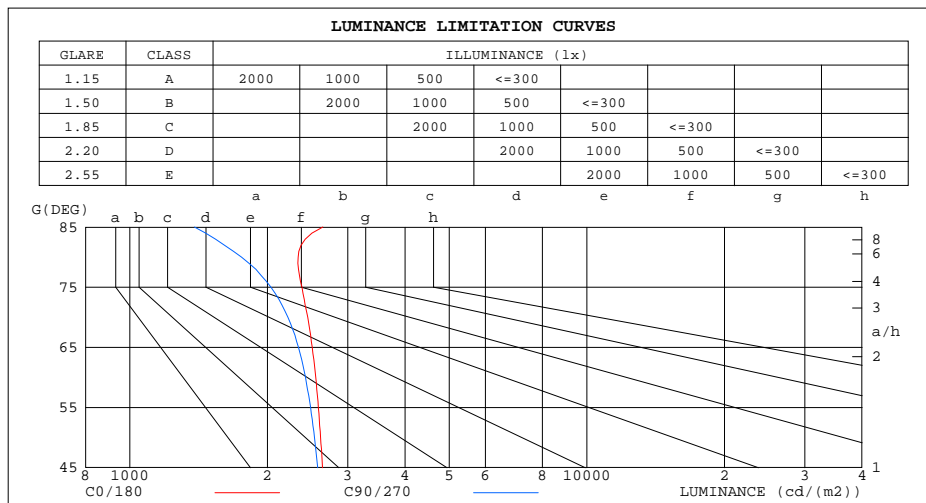
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	161.9	162.1	161.6	161.8	161.8	161.2	160.9	161.1	0- 10	15.56	15.56	3.18,3.18
20	153.5	153.8	152.9	153.4	153.3	152.1	151.6	152.0	10- 20	44.55	60.11	12.3,12.3
30	140.1	140.1	138.7	139.6	139.6	137.7	136.9	137.9	20- 30	67.47	127.6	26.1,26.1
40	122.3	122.0	120.1	121.2	121.3	119.0	117.9	119.5	30- 40	81.39	209.0	42.7,42.7
50	100.9	100.3	97.78	99.05	99.38	96.67	95.53	97.56	40- 50	84.69	293.7	60.1,60.1
60	76.53	75.79	72.69	74.14	74.52	71.64	70.37	72.99	50- 60	77.11	370.8	75.8,75.8
70	50.31	49.31	45.55	47.06	47.65	44.71	43.24	46.51	60- 70	59.67	430.5	88,88
80	24.32	22.91	18.31	20.65	22.01	18.92	16.70	20.58	70- 80	35.22	465.7	95.3,95.3
90	7.030	4.933	1.001	4.816	6.595	4.054	0.7592	4.015	80- 90	11.90	477.6	97.7,97.7
100	2.666	1.576	0.5210	2.411	3.592	2.167	0.3621	1.210	90-100	2.787	480.4	98.3,98.3
110	1.890	1.122	0.7146	1.442	2.623	1.337	0.7554	0.9821	100-110	1.638	482.0	98.6,98.6
120	1.610	1.316	1.142	1.343	1.647	1.082	1.076	1.149	110-120	1.271	483.3	98.9,98.9
130	1.729	1.637	1.469	1.610	1.657	1.376	1.330	1.449	120-130	1.258	484.5	99.1,99.1
140	2.011	1.870	1.729	1.857	1.931	1.690	1.543	1.596	130-140	1.282	485.8	99.4,99.4
150	2.238	2.004	1.910	2.111	2.111	1.997	1.764	1.690	140-150	1.179	487.0	99.6,99.6
160	2.451	2.138	2.244	2.405	2.338	2.317	2.184	1.890	150-160	0.9708	488.0	99.8,99.8
170	2.538	2.472	2.598	2.639	2.344	2.545	2.599	2.417	160-170	0.6719	488.6	99.9,99.9
180	2.471	2.879	2.886	2.879	2.458	2.886	2.892	2.879	170-180	0.2483	488.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2021-02-01

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	2644	1384
80	2335	1757
75	2380	2037
70	2452	2220
65	2507	2339
60	2551	2423
55	2586	2486
50	2615	2535
45	2640	2577

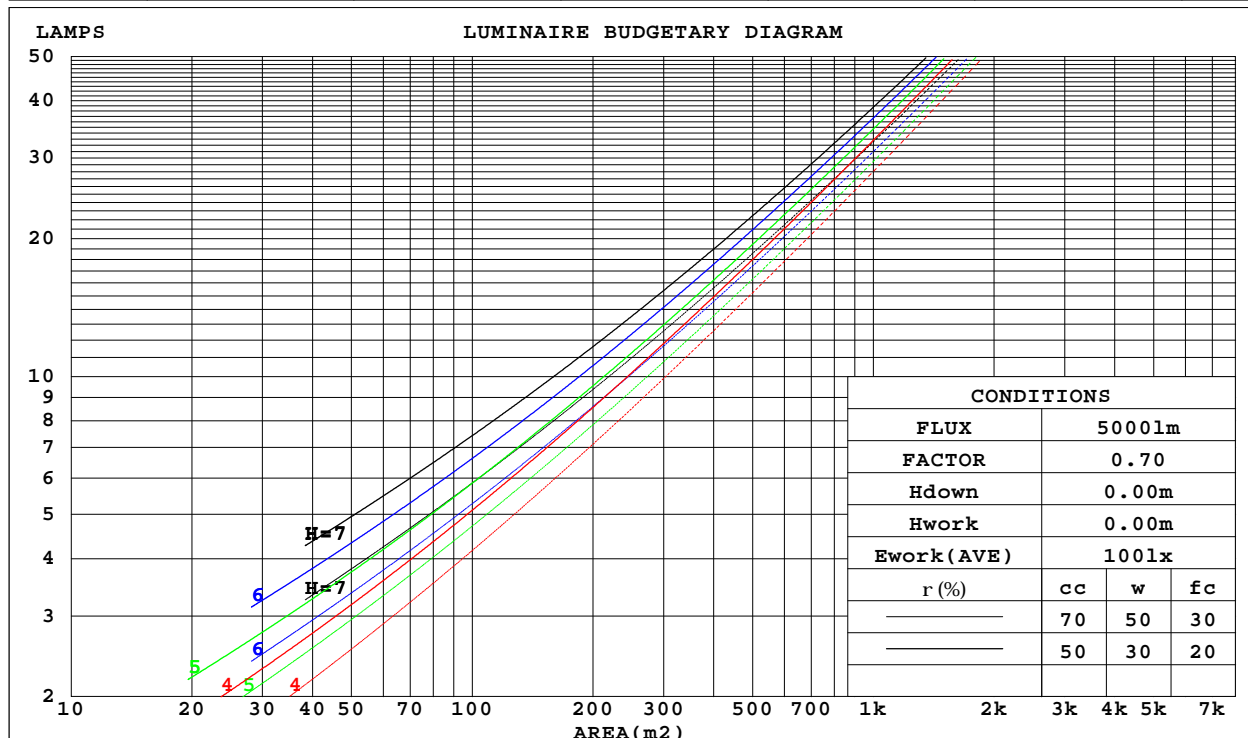
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2021-02-01

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.950m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.317	.180	.057	.309	.176	.056	.295	.169	.054	.281	.162	.052	.269	.156	.050	
2.0	.296	.162	.050	.289	.159	.049	.276	.153	.048	.264	.148	.046	.253	.143	.045	
3.0	.272	.145	.043	.266	.143	.043	.255	.138	.042	.244	.134	.041	.234	.130	.040	
4.0	.251	.130	.038	.245	.128	.038	.235	.125	.037	.226	.121	.037	.217	.118	.036	
5.0	.231	.118	.034	.227	.116	.034	.217	.113	.033	.209	.110	.033	.201	.107	.032	
6.0	.214	.107	.031	.210	.106	.031	.202	.103	.030	.194	.101	.030	.187	.098	.029	
7.0	.199	.099	.028	.195	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.164	.084	.024	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.159	.080	.023	.154	.078	.023	
10.0	.164	.079	.022	.161	.078	.022	.155	.076	.021	.150	.075	.021	.145	.073	.021	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.208	.208	.208	.178	.178	.178	.121	.121	.121	.070	.070	.070	.022	.022	.022	
1.0	.199	.174	.152	.170	.149	.130	.116	.103	.090	.067	.059	.052	.021	.019	.017	
2.0	.191	.150	.115	.163	.129	.100	.112	.089	.070	.065	.052	.041	.021	.017	.013	
3.0	.183	.132	.092	.157	.114	.080	.108	.079	.056	.062	.046	.033	.020	.015	.011	
4.0	.175	.119	.076	.150	.103	.066	.103	.072	.047	.060	.042	.028	.019	.014	.009	
5.0	.168	.109	.065	.144	.094	.057	.099	.066	.040	.058	.039	.024	.019	.013	.008	
6.0	.161	.100	.057	.138	.087	.050	.095	.061	.035	.055	.036	.021	.018	.012	.007	
7.0	.154	.094	.051	.132	.081	.045	.091	.057	.032	.053	.034	.019	.017	.011	.006	
8.0	.147	.088	.047	.127	.076	.041	.088	.053	.029	.051	.032	.017	.017	.010	.006	
9.0	.141	.083	.043	.122	.072	.038	.084	.051	.027	.049	.030	.016	.016	.010	.005	
10.0	.136	.079	.041	.117	.068	.036	.081	.048	.025	.047	.028	.015	.015	.009	.005	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm											
NAME: NTT0606					TYPE:			WEIGHT:			
SPEC.:NTT0606-9WW24CSN050CC0100					DIM.: 1000*06*06mm			SERIAL No.:01			
MFR.: COLORS					SUR.:1000*06			Shielding 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	18.6	20.1	18.9	20.4	20.6	18.5	20.0	18.8	20.2	20.5	
	3H	20.3	21.7	20.6	22.0	22.2	20.0	21.4	20.3	21.7	22.0
	4H	21.0	22.3	21.3	22.6	22.9	20.6	21.9	21.0	22.2	22.5
	6H	21.6	22.8	21.9	23.1	23.4	21.0	22.3	21.4	22.6	22.9
	8H	21.8	23.0	22.2	23.3	23.6	21.1	22.3	21.5	22.7	23.0
	12H	22.0	23.1	22.4	23.5	23.8	21.2	22.3	21.6	22.7	23.0
4H	2H	19.3	20.6	19.6	20.9	21.2	19.1	20.4	19.5	20.7	21.0
	3H	21.1	22.3	21.5	22.6	23.0	20.9	22.0	21.2	22.4	22.7
	4H	21.9	23.0	22.4	23.4	23.7	21.6	22.6	22.0	23.0	23.4
	6H	22.6	23.6	23.1	24.0	24.4	22.1	23.1	22.6	23.5	23.9
	8H	22.9	23.8	23.4	24.2	24.7	22.3	23.2	22.8	23.6	24.0
	12H	23.2	24.0	23.7	24.4	24.9	22.4	23.2	22.9	23.6	24.1
8H	4H	22.2	23.1	22.7	23.5	23.9	21.9	22.8	22.4	23.2	23.6
	6H	23.1	23.8	23.6	24.3	24.8	22.6	23.4	23.1	23.8	24.3
	8H	23.5	24.1	24.0	24.6	25.1	22.9	23.5	23.4	24.0	24.5
	12H	23.9	24.4	24.4	24.9	25.4	23.1	23.6	23.6	24.1	24.6
12H	4H	22.2	23.0	22.7	23.5	23.9	22.0	22.8	22.4	23.2	23.6
	6H	23.2	23.8	23.7	24.3	24.8	22.7	23.4	23.2	23.8	24.3
	8H	23.6	24.2	24.1	24.7	25.2	23.0	23.6	23.5	24.1	24.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117, 488.9 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.5)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

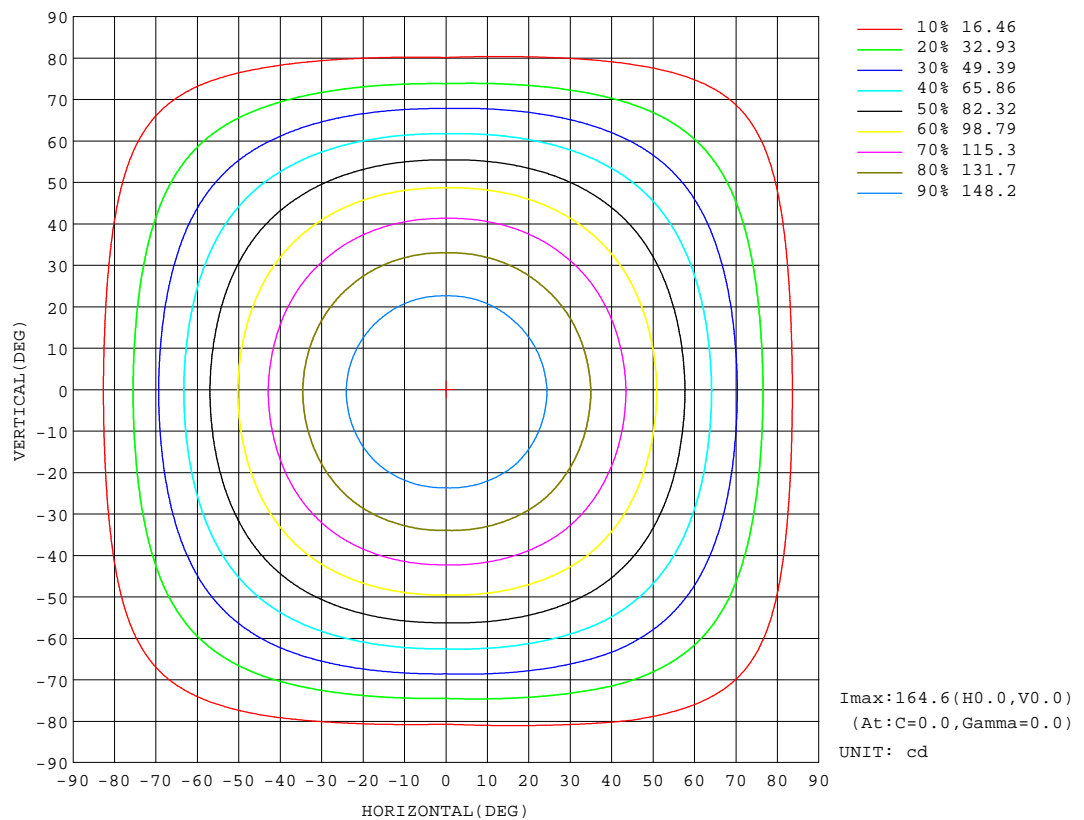
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	45	38	56	44	38	54	44	37	31
0.80	66	55	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	56	71	64	55	48
1.25	82	71	64	80	70	63	77	69	62	55
1.50	87	77	69	85	76	69	82	74	68	60
2.00	94	85	78	92	84	77	88	81	76	67
2.50	98	90	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	85	75
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	100	97	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:



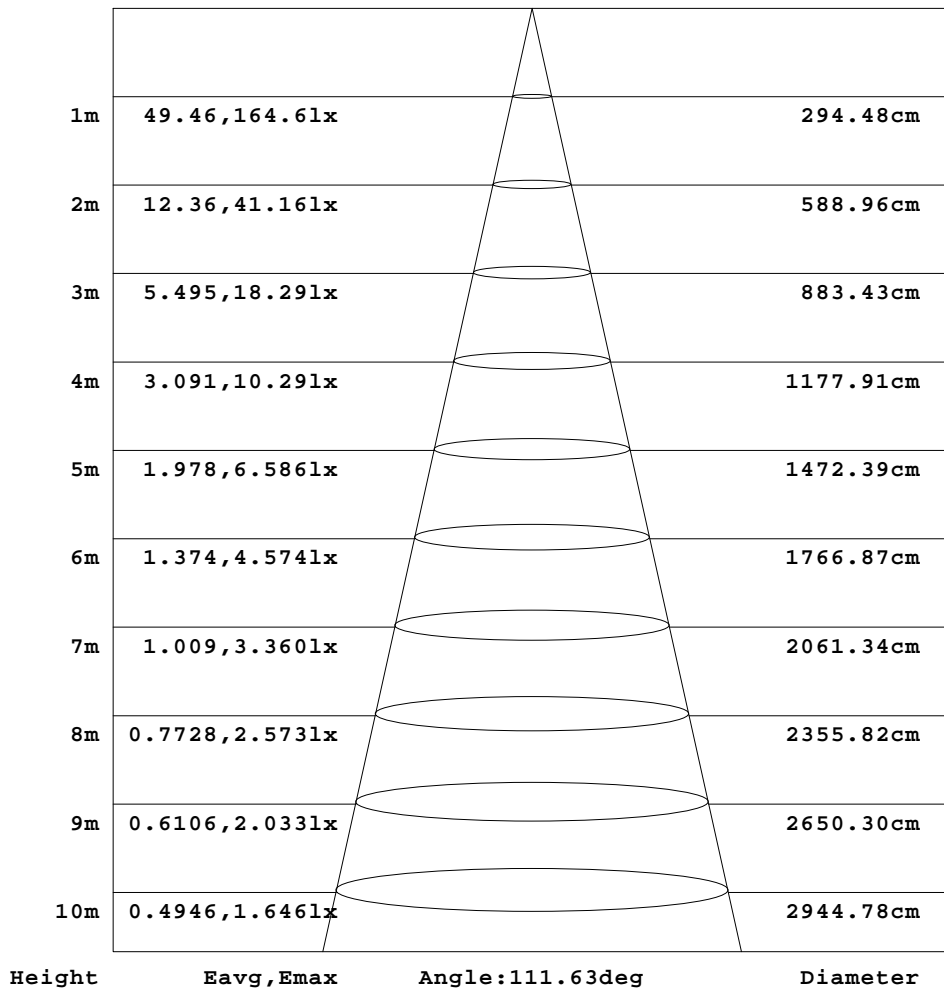
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

AAI Figure

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

Flux out:341.5 lm



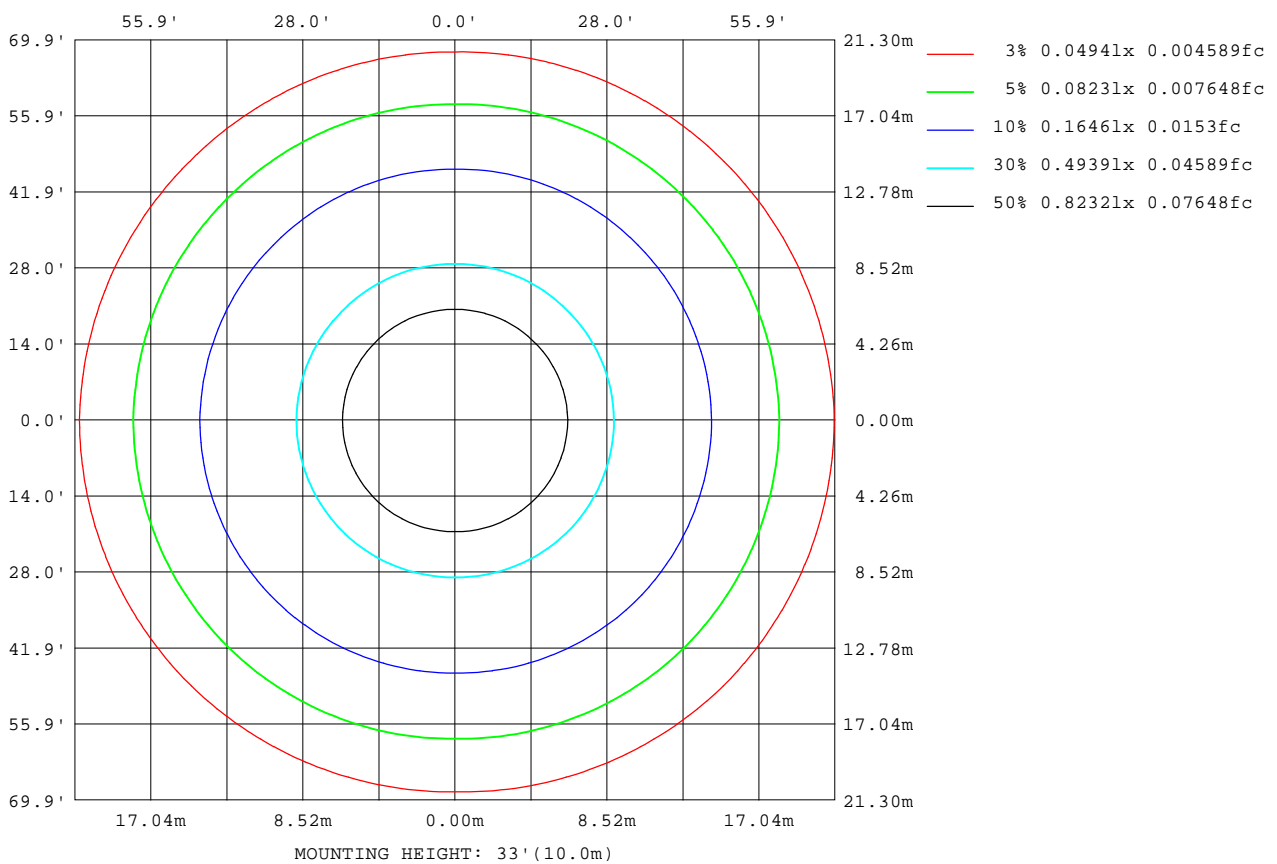
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

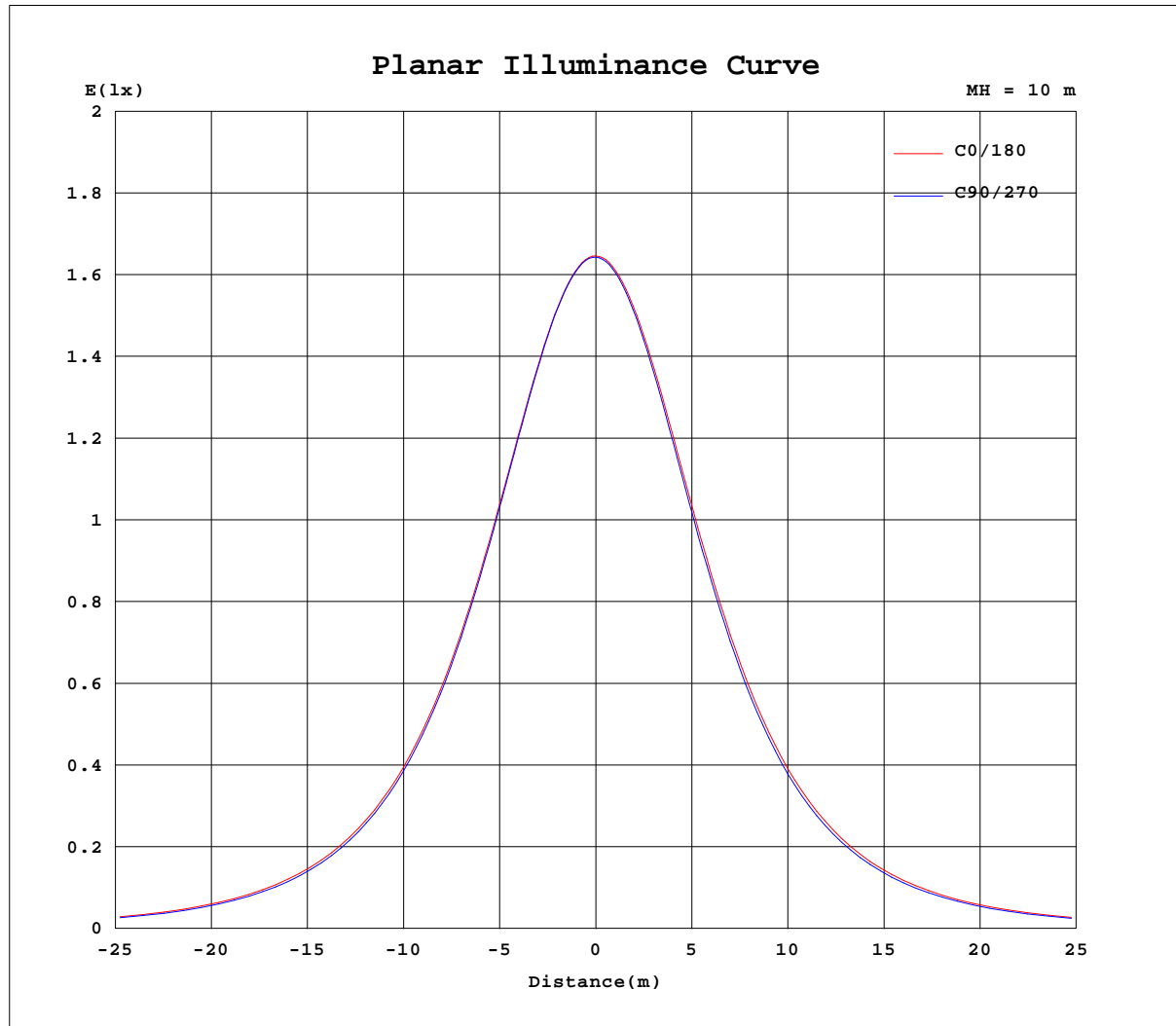
AvgL	cd/m2
L_0~180(65)av	2460
L_0~180(75)av	2294
L_0~180(85)av	2509
L_90~270(65)av	2293
L_90~270(75)av	1973
L_90~270(85)av	1272
L_45(65)av	2383
L_45(75)av	2150
L_45(85)av	2007

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JYH
Test Date: 2021-02-01

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 10.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.3064A P:7.353W PF:1.000 Freq:0Hz Lamp Flux:488.878x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9WW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	45	90	135	180	225	270	315										
0	165	165	164	164	165	165	164	164										
5	164	164	164	164	164	164	163	163										
10	162	162	162	162	162	161	161	161										
15	158	159	158	158	158	157	157	157										
20	154	154	153	153	153	152	152	152										
25	147	147	146	147	147	146	145	146										
30	140	140	139	140	140	138	137	138										
35	132	132	130	131	131	129	128	129										
40	122	122	120	121	121	119	118	119										
45	112	112	109	111	111	108	107	109										
50	101	100	97.8	99.0	99.4	96.7	95.5	97.6										
55	89.0	88.4	85.6	86.9	87.3	84.5	83.3	85.5										
60	76.5	75.8	72.7	74.1	74.5	71.6	70.4	73.0										
65	63.6	62.8	59.3	60.7	61.2	58.3	56.9	59.9										
70	50.3	49.3	45.6	47.1	47.7	44.7	43.2	46.5										
75	37.0	35.8	31.6	33.4	34.3	31.3	29.7	33.2										
80	24.3	22.9	18.3	20.6	22.0	18.9	16.7	20.6										
85	13.8	11.9	7.24	10.5	12.4	9.30	6.06	10.2										
90	7.03	4.93	1.00	4.82	6.60	4.05	0.76	4.01										
95	3.77	2.30	0.70	2.97	4.32	2.59	0.23	1.86										
100	2.67	1.58	0.52	2.41	3.59	2.17	0.36	1.21										
105	2.25	1.24	0.53	1.77	3.18	1.66	0.58	1.01										
110	1.89	1.12	0.71	1.44	2.62	1.34	0.76	0.98										
115	1.63	1.16	0.93	1.27	2.02	1.06	0.92	0.98										
120	1.61	1.32	1.14	1.34	1.65	1.08	1.08	1.15										
125	1.61	1.48	1.34	1.48	1.57	1.23	1.21	1.32										
130	1.73	1.64	1.47	1.61	1.66	1.38	1.33	1.45										
135	1.90	1.76	1.59	1.73	1.80	1.54	1.44	1.54										
140	2.01	1.87	1.73	1.86	1.93	1.69	1.54	1.60										
145	2.10	1.94	1.83	1.98	2.03	1.84	1.63	1.66										
150	2.24	2.00	1.91	2.11	2.11	2.00	1.76	1.69										
155	2.32	2.06	2.04	2.25	2.22	2.18	1.95	1.81										
160	2.45	2.14	2.24	2.40	2.34	2.32	2.18	1.89										
165	2.52	2.26	2.45	2.50	2.41	2.45	2.41	2.11										
170	2.54	2.47	2.60	2.64	2.34	2.54	2.60	2.42										
175	2.45	2.67	2.76	2.79	2.34	2.67	2.77	2.67										
180	2.47	2.88	2.89	2.88	2.46	2.89	2.89	2.88										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.950m [K=1.0000]
Remarks: