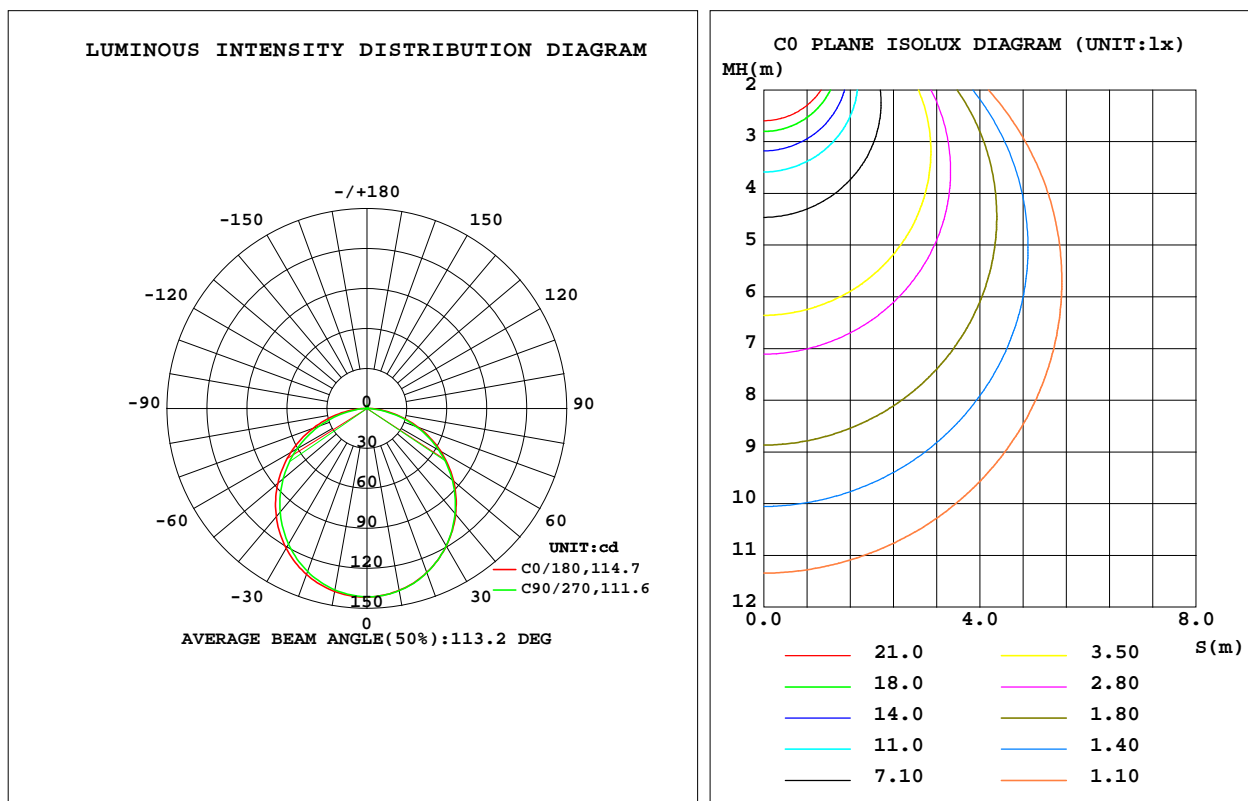


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 57.03 lm/W			
MODEL	NMT0606	I _{max} (cd)	141.5	S/MH(C0/180)	1.25
NOMINAL POWER(W)	7.2	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	415.63	h UP,DN(C0-180)	0.9,49.4
NOMINAL FLUX(lm)	415.63	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.8,48.9
LAMPS INSIDE	1	h up(%)	1.7	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	98.3	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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

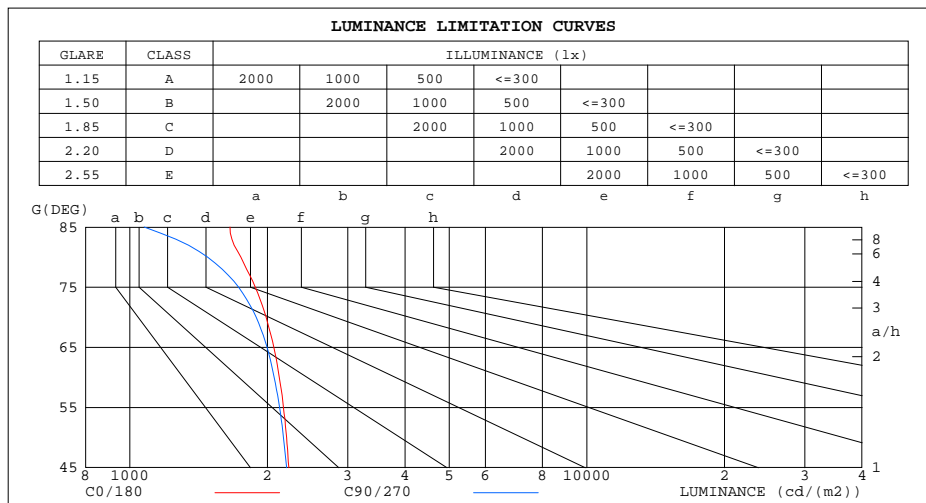
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	138.6	138.9	138.8	139.3	139.5	138.9	138.3	138.1	0- 10	13.37	13.37	3.22,3.22
20	131.0	131.4	131.2	132.3	132.6	131.4	130.2	130.0	10- 20	38.27	51.65	12.4,12.4
30	119.1	119.4	119.0	120.6	121.2	119.3	117.6	117.7	20- 30	57.96	109.6	26.4,26.4
40	103.5	103.6	102.8	105.0	106.0	103.5	101.4	101.7	30- 40	69.91	179.5	43.2,43.2
50	84.95	84.84	83.65	86.24	87.34	84.52	82.13	82.85	40- 50	72.76	252.3	60.7,60.7
60	63.74	63.70	62.08	64.92	66.05	63.13	60.61	61.68	50- 60	66.29	318.6	76.6,76.6
70	40.81	40.77	38.80	41.69	42.87	40.06	37.51	38.84	60- 70	51.28	369.8	89,89
80	18.22	17.82	15.43	18.38	19.30	17.18	14.57	16.37	70- 80	30.05	399.9	96.2,96.2
90	2.294	1.922	0.6174	1.915	2.474	1.460	0.2590	1.175	80- 90	8.789	408.7	98.3,98.3
100	0.6813	0.6155	0.4581	0.6227	0.5878	0.4271	0.3079	0.3963	90-100	0.7056	409.4	98.5,98.5
110	0.8214	0.7959	0.6264	0.7886	0.7886	0.6078	0.6547	0.6412	100-110	0.6222	410.0	98.6,98.6
120	1.155	1.150	0.9548	1.089	1.062	0.8950	0.9152	0.9875	110-120	0.8627	410.9	98.9,98.9
130	1.476	1.416	1.233	1.350	1.383	1.149	1.123	1.249	120-130	1.046	411.9	99.1,99.1
140	1.730	1.617	1.463	1.576	1.630	1.423	1.316	1.369	130-140	1.092	413.0	99.4,99.4
150	1.932	1.724	1.656	1.804	1.791	1.683	1.497	1.494	140-150	1.006	414.0	99.6,99.6
160	2.037	1.837	1.904	2.038	1.964	1.936	1.864	1.616	150-160	0.8277	414.8	99.8,99.8
170	2.171	2.084	2.218	2.251	2.000	2.204	2.211	2.003	160-170	0.5705	415.4	99.9,99.9
180	2.124	2.438	2.445	2.485	2.124	2.451	2.478	2.458	170-180	0.2118	415.6	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:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1656	1075
80	1749	1481
75	1882	1730
70	1989	1891
65	2066	1997
60	2125	2069
55	2170	2126
50	2203	2169
45	2229	2205

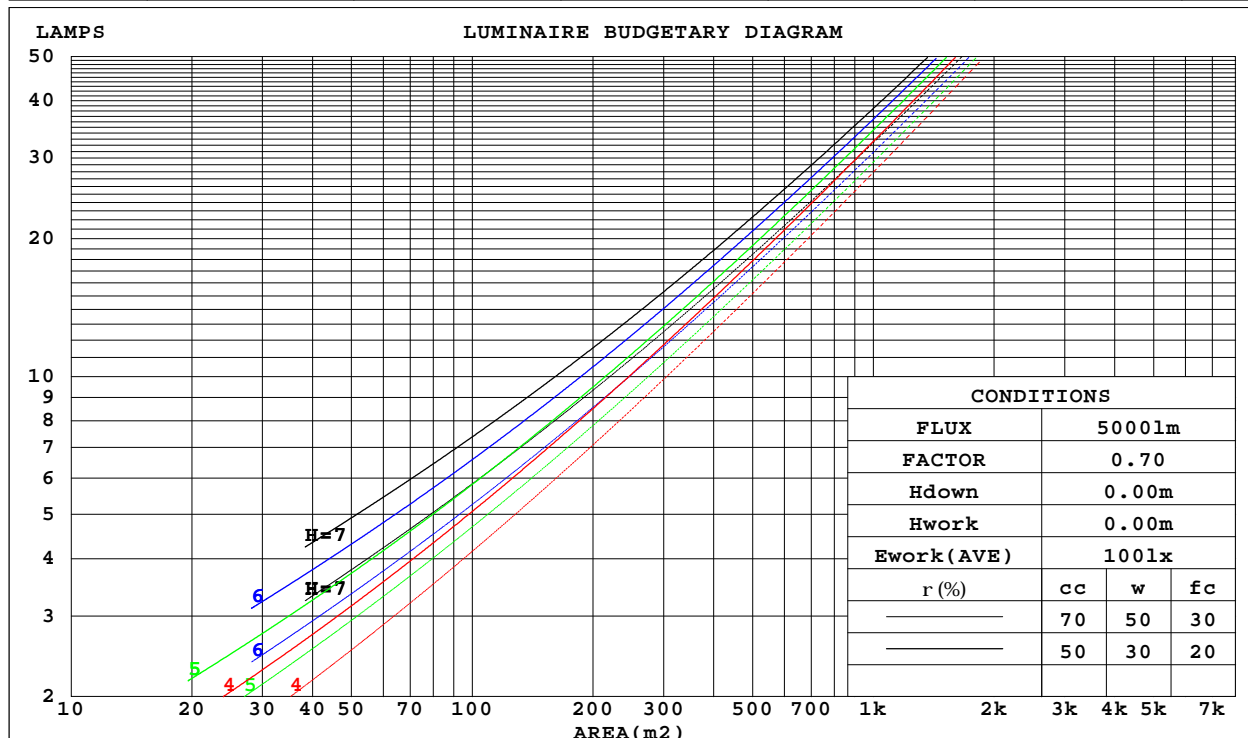
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2021-02-01

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:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	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:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	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	.314	.179	.057	.306	.175	.056	.292	.168	.054	.279	.161	.052	.267	.155	.050	
2.0	.294	.161	.049	.288	.158	.049	.275	.153	.047	.263	.148	.046	.253	.143	.045	
3.0	.272	.145	.043	.266	.142	.043	.255	.138	.042	.244	.134	.041	.235	.130	.040	
4.0	.250	.130	.038	.245	.128	.038	.235	.125	.037	.226	.121	.037	.217	.118	.036	
5.0	.231	.118	.034	.227	.116	.034	.218	.113	.033	.209	.110	.033	.202	.108	.032	
6.0	.214	.107	.031	.210	.106	.031	.202	.104	.030	.195	.101	.030	.188	.099	.029	
7.0	.199	.099	.028	.196	.097	.028	.188	.095	.027	.182	.093	.027	.175	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.176	.088	.025	.170	.086	.025	.165	.084	.025	
9.0	.174	.084	.024	.171	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.021	.151	.075	.021	.146	.074	.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	.203	.203	.203	.174	.174	.174	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.193	.169	.147	.166	.145	.126	.113	.100	.087	.065	.058	.051	.021	.019	.016	
2.0	.186	.145	.111	.159	.125	.096	.109	.086	.067	.063	.050	.039	.020	.016	.013	
3.0	.178	.127	.087	.152	.110	.075	.105	.076	.053	.060	.045	.031	.019	.014	.010	
4.0	.170	.114	.071	.146	.099	.062	.100	.069	.044	.058	.040	.026	.019	.013	.008	
5.0	.163	.104	.060	.140	.090	.052	.096	.063	.037	.056	.037	.022	.018	.012	.007	
6.0	.156	.095	.052	.134	.083	.045	.092	.058	.032	.054	.034	.019	.017	.011	.006	
7.0	.149	.089	.046	.128	.077	.040	.088	.054	.029	.051	.032	.017	.017	.010	.006	
8.0	.142	.083	.042	.122	.072	.036	.085	.050	.026	.049	.030	.015	.016	.010	.005	
9.0	.136	.078	.038	.117	.068	.033	.081	.047	.024	.047	.028	.014	.015	.009	.005	
10.0	.130	.074	.036	.112	.064	.031	.078	.045	.022	.046	.027	.013	.015	.009	.004	

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:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm											
NAME: NTT0606					TYPE:			WEIGHT:			
SPEC.:NTT0606-9LW24CSN050CC0100					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	20.3	20.5	18.5	20.0	18.8	20.2	20.4	
	3H	20.1	21.5	20.5	21.8	22.1	20.0	21.4	20.3	21.7	21.9
	4H	20.8	22.1	21.1	22.4	22.7	20.6	21.9	20.9	22.2	22.5
	6H	21.3	22.5	21.6	22.8	23.1	21.0	22.2	21.4	22.5	22.9
	8H	21.4	22.7	21.8	23.0	23.3	21.1	22.3	21.5	22.6	23.0
	12H	21.6	22.7	21.9	23.0	23.4	21.1	22.3	21.5	22.6	23.0
4H	2H	19.2	20.5	19.5	20.8	21.1	19.1	20.4	19.5	20.7	21.0
	3H	21.0	22.1	21.3	22.4	22.8	20.8	22.0	21.2	22.3	22.7
	4H	21.7	22.8	22.1	23.1	23.5	21.6	22.6	22.0	23.0	23.3
	6H	22.3	23.3	22.8	23.7	24.1	22.1	23.0	22.5	23.4	23.8
	8H	22.6	23.4	23.0	23.8	24.3	22.2	23.1	22.7	23.5	23.9
	12H	22.7	23.5	23.2	24.0	24.4	22.3	23.1	22.8	23.5	24.0
8H	4H	22.0	22.9	22.5	23.3	23.7	21.9	22.7	22.3	23.1	23.5
	6H	22.8	23.5	23.3	23.9	24.4	22.5	23.3	23.0	23.7	24.2
	8H	23.1	23.7	23.6	24.2	24.7	22.8	23.4	23.3	23.9	24.4
	12H	23.4	23.9	23.9	24.4	24.9	22.9	23.5	23.4	24.0	24.5
12H	4H	22.0	22.8	22.5	23.2	23.7	21.9	22.7	22.3	23.1	23.5
	6H	22.8	23.5	23.3	23.9	24.4	22.6	23.2	23.1	23.7	24.2
	8H	23.2	23.8	23.7	24.2	24.7	22.9	23.4	23.4	23.9	24.4
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, 415.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.1)

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:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

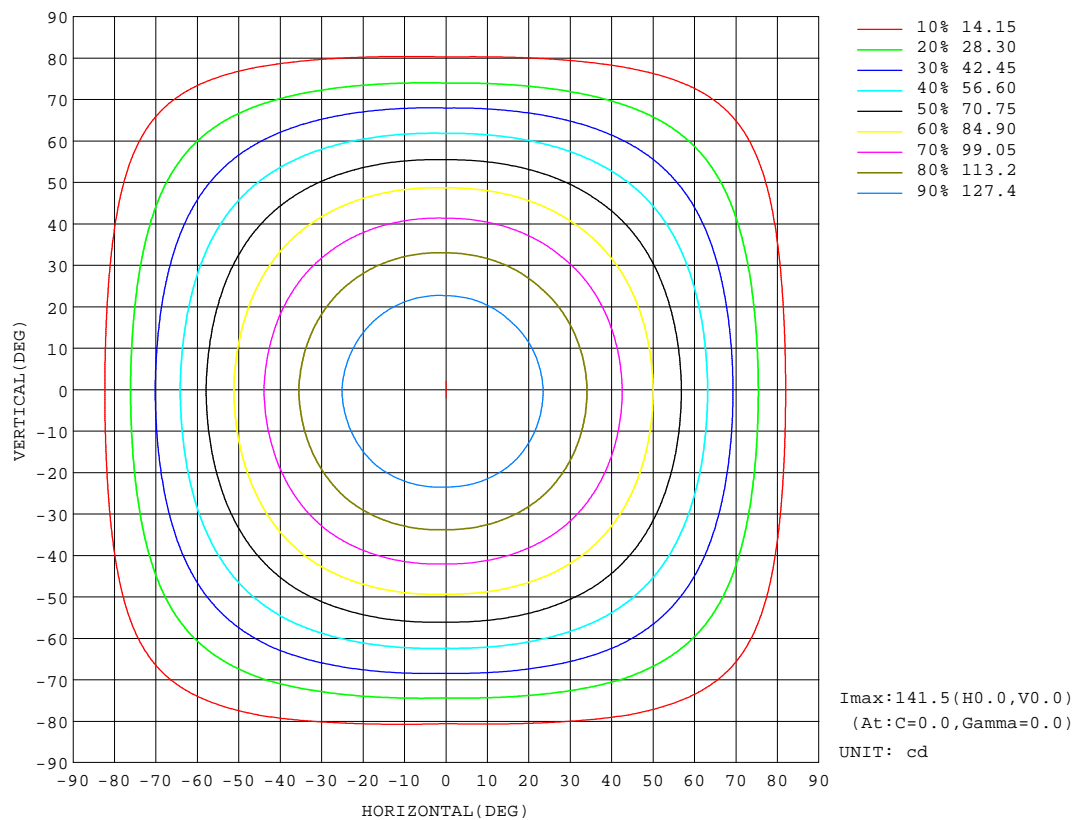
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	101	94	89	99	93	88	95	90	85	76
4.00	106	100	95	103	98	93	98	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
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:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:



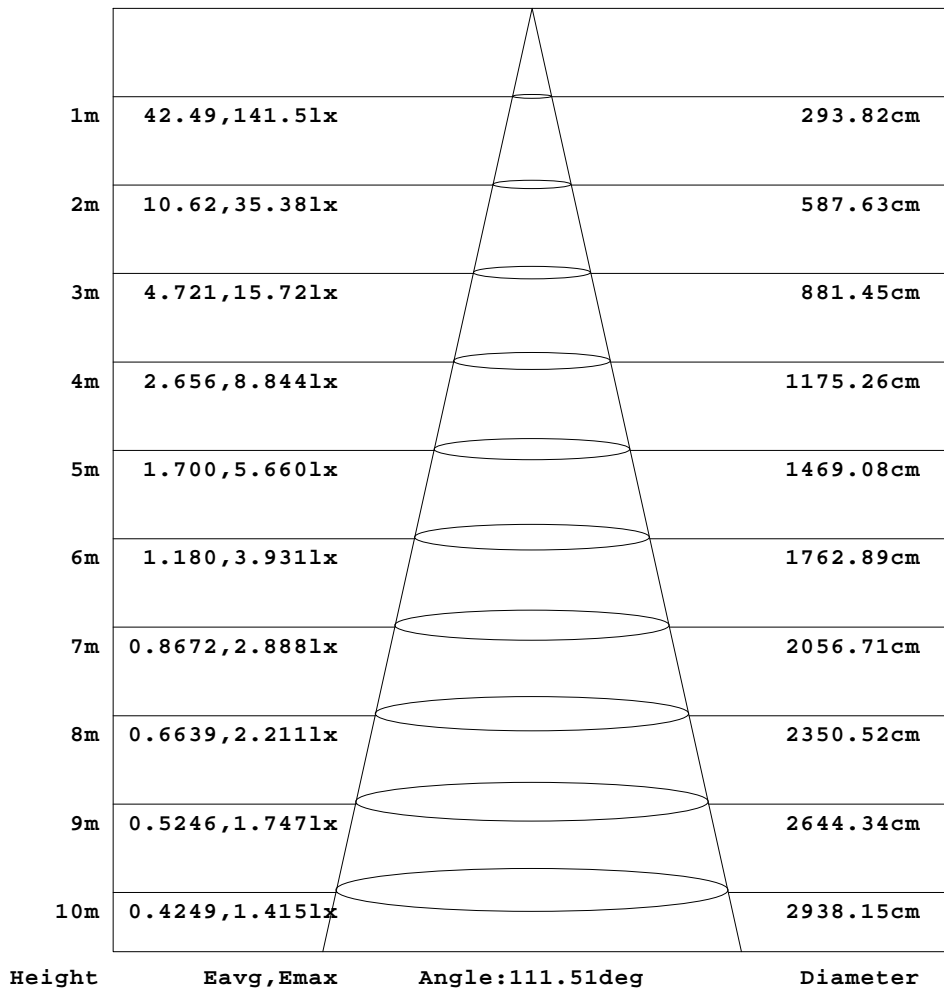
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-02-01

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:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

Flux out:293.4 lm



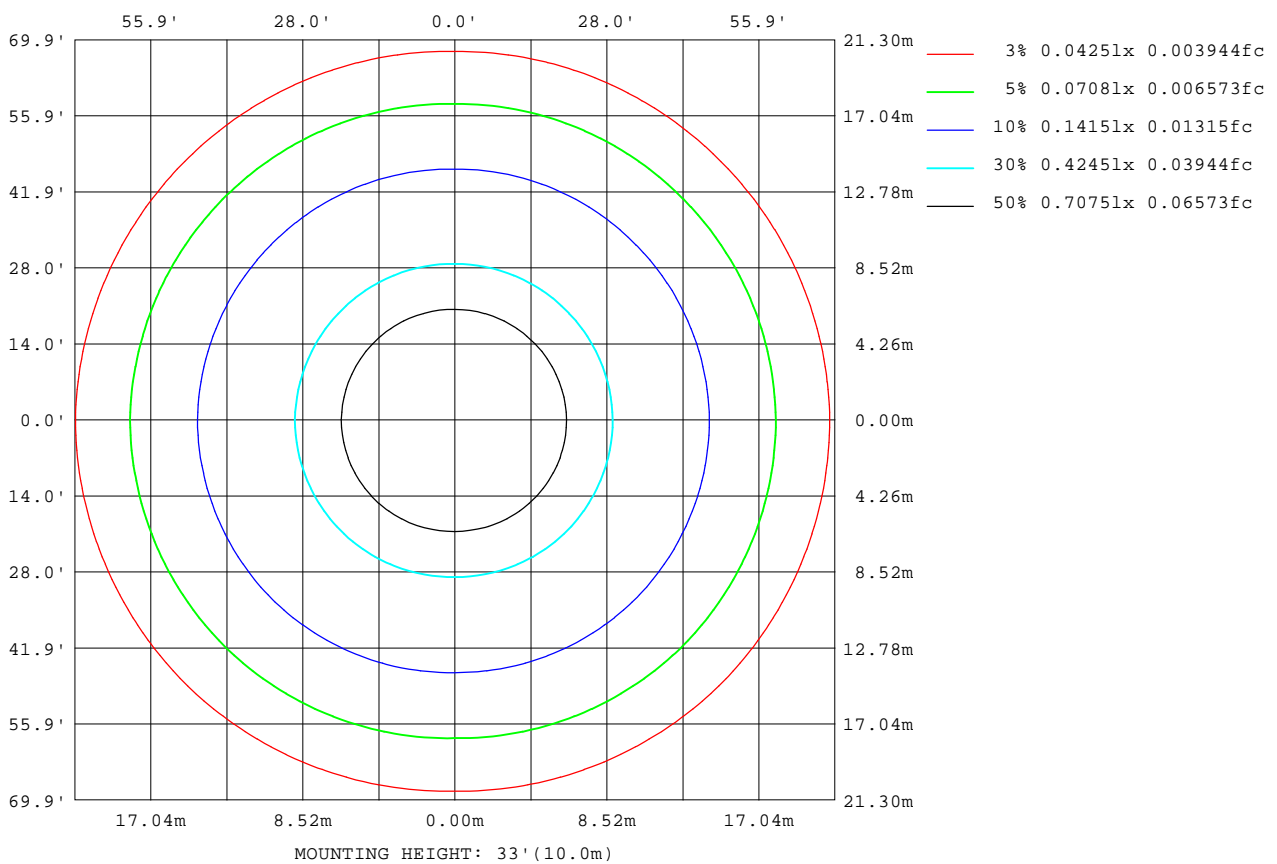
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	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

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:

LED Avg.L Report

Test:U:24.00V I:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	DIM.: 1000*06*06mm	SERIAL No.:01
MFR.: COLORS	SUR.:1000*06	Shielding Angle:

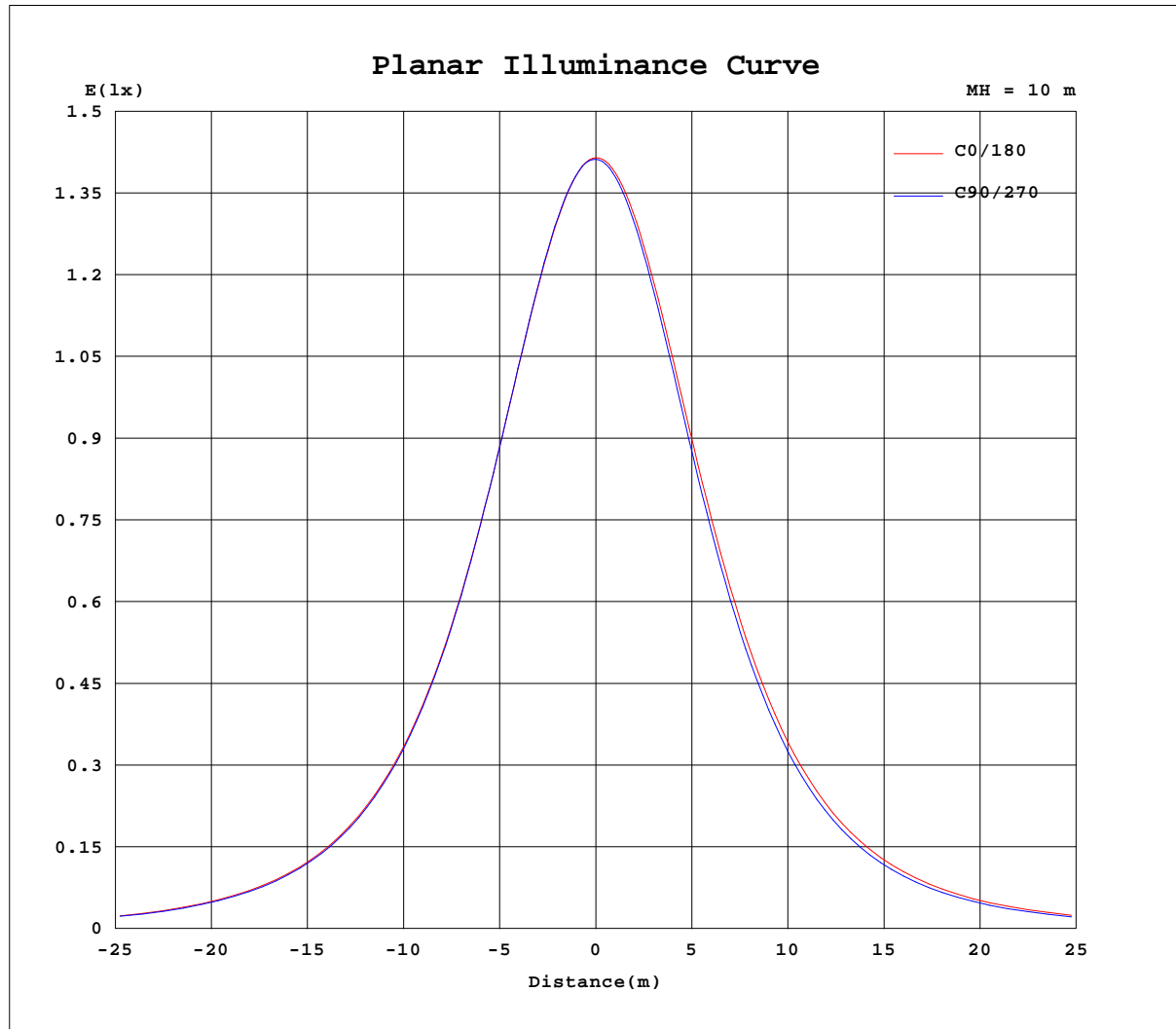
AvgL	cd/m2
L_0~180(65)av	2110
L_0~180(75)av	1939
L_0~180(85)av	1692
L_90~270(65)av	1968
L_90~270(75)av	1696
L_90~270(85)av	1041
L_45(65)av	2052
L_45(75)av	1843
L_45(85)av	1477

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:0.3037A P:7.288W PF:1.000 Freq:0Hz Lamp Flux:415.63x1 lm		
NAME: NTT0606	TYPE:	WEIGHT:
SPEC.:NTT0606-9LW24CSN050CC0100	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	142	141	141	141	142	141	141	141										
5	141	141	141	141	141	141	140	140										
10	139	139	139	139	140	139	138	138										
15	135	136	136	136	137	136	135	135										
20	131	131	131	132	133	131	130	130										
25	126	126	126	127	127	126	125	124										
30	119	119	119	121	121	119	118	118										
35	112	112	111	113	114	112	110	110										
40	104	104	103	105	106	104	101	102										
45	94.6	94.5	93.6	96.0	97.0	94.3	92.1	92.6										
50	85.0	84.8	83.7	86.2	87.3	84.5	82.1	82.9										
55	74.7	74.5	73.2	75.8	77.0	74.1	71.7	72.5										
60	63.7	63.7	62.1	64.9	66.1	63.1	60.6	61.7										
65	52.4	52.4	50.6	53.5	54.6	51.8	49.2	50.4										
70	40.8	40.8	38.8	41.7	42.9	40.1	37.5	38.8										
75	29.2	29.0	26.9	29.8	31.0	28.3	25.8	27.3										
80	18.2	17.8	15.4	18.4	19.3	17.2	14.6	16.4										
85	8.66	8.22	5.62	8.19	9.04	7.36	5.26	7.13										
90	2.29	1.92	0.62	1.92	2.47	1.46	0.26	1.18										
95	0.72	0.62	0.49	0.69	0.64	0.43	0.15	0.34										
100	0.68	0.62	0.46	0.62	0.59	0.43	0.31	0.40										
105	0.71	0.67	0.47	0.66	0.67	0.49	0.50	0.44										
110	0.82	0.80	0.63	0.79	0.79	0.61	0.65	0.64										
115	0.97	0.96	0.85	0.94	0.92	0.73	0.79	0.82										
120	1.15	1.15	0.95	1.09	1.06	0.90	0.92	0.99										
125	1.37	1.29	1.12	1.24	1.24	1.04	1.03	1.14										
130	1.48	1.42	1.23	1.35	1.38	1.15	1.12	1.25										
135	1.62	1.52	1.36	1.46	1.52	1.30	1.22	1.30										
140	1.73	1.62	1.46	1.58	1.63	1.42	1.32	1.37										
145	1.80	1.67	1.57	1.68	1.73	1.58	1.38	1.46										
150	1.93	1.72	1.66	1.80	1.79	1.68	1.50	1.49										
155	1.99	1.77	1.74	1.92	1.88	1.82	1.66	1.51										
160	2.04	1.84	1.90	2.04	1.96	1.94	1.86	1.62										
165	2.16	1.94	2.08	2.14	2.00	2.03	2.03	1.81										
170	2.17	2.08	2.22	2.25	2.00	2.20	2.21	2.00										
175	2.06	2.28	2.34	2.38	1.99	2.30	2.39	2.24										
180	2.12	2.44	2.44	2.48	2.12	2.45	2.48	2.46										

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: