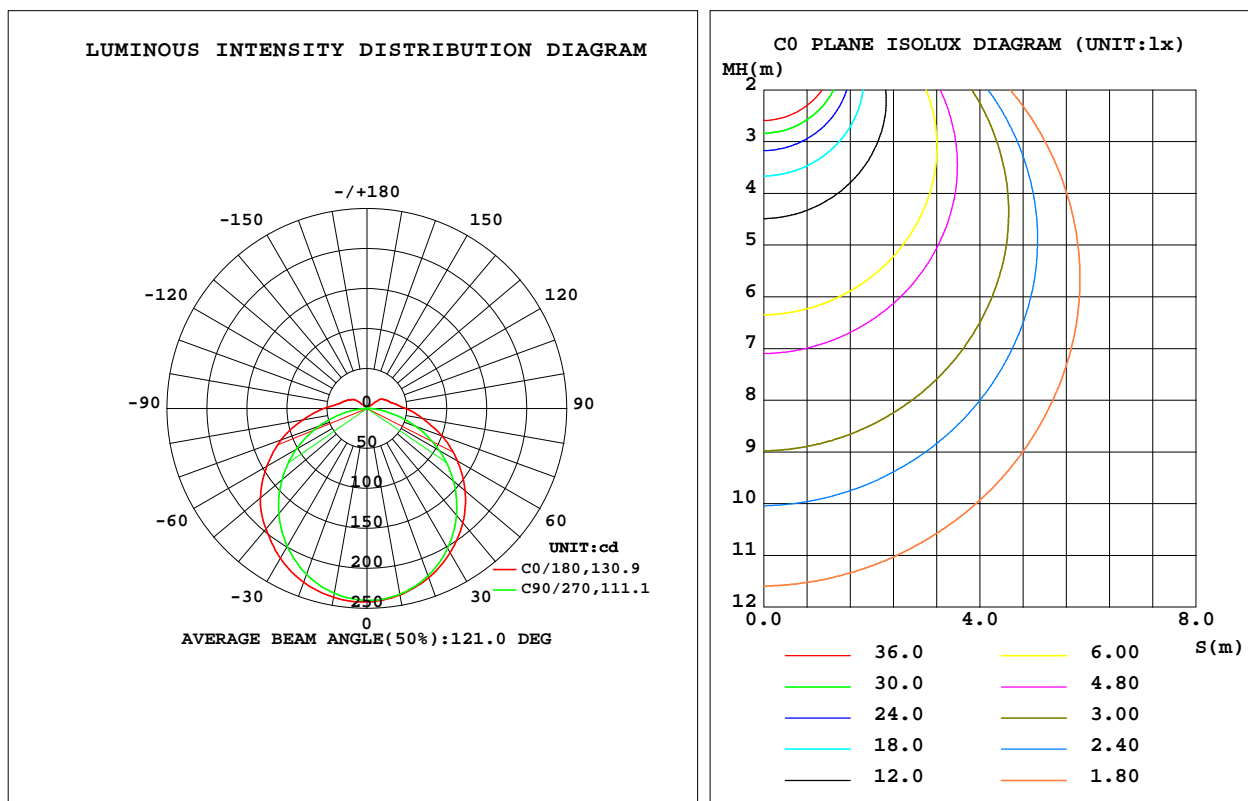


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 81.34 lm/W			
MODEL	NNT0711	I _{max} (cd)	242.0	S/MH(C0/180)	1.28
NOMINAL POWER(W)	10	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	850.71	h UP,DN(C0-180)	4.1,45.8
NOMINAL FLUX(lm)	850.715	CIE CLASS	DIRECT	h UP,DN(C180-360)	4.0,46.2
LAMPS INSIDE	1	h up(%)	8.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	91.9	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-04-08

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:

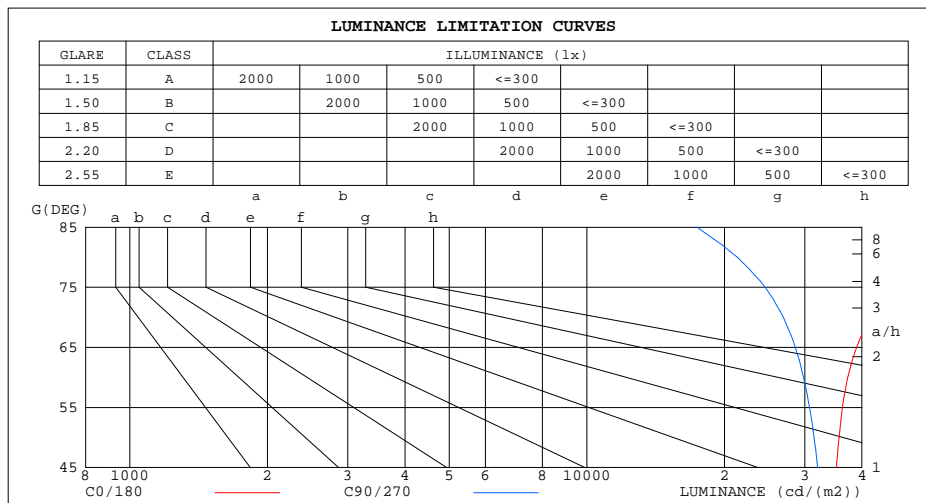
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	236.8	236.2	235.9	237.2	239.8	237.6	234.7	233.6	0- 10	22.77	22.77	2.68,2.68
20	225.3	223.7	222.8	226.6	231.5	226.1	220.8	220.0	10- 20	65.34	88.11	10.4,10.4
30	208.2	204.5	201.8	209.3	216.5	208.1	199.3	200.1	20- 30	99.64	187.7	22.1,22.1
40	186.7	179.4	174.3	185.7	196.6	184.1	171.6	174.7	30- 40	121.7	309.4	36.4,36.4
50	160.3	150.1	141.4	157.3	174.2	155.7	138.8	145.2	40- 50	129.5	438.9	51.6,51.6
60	130.3	118.2	104.3	127.6	144.7	126.1	102.1	113.6	50- 60	122.7	561.6	66,66
70	99.69	84.86	64.45	94.72	114.1	93.41	62.87	80.88	60- 70	102.9	664.6	78.1,78.1
80	70.22	53.07	25.95	61.10	81.16	60.14	24.86	49.91	70- 80	73.60	738.2	86.8,86.8
90	48.78	31.24	1.944	34.61	54.03	34.01	1.157	29.26	80- 90	43.90	782.1	91.9,91.9
100	34.98	18.62	0.7548	19.92	35.68	19.61	0.5153	14.26	90-100	24.93	807.0	94.9,94.9
110	28.14	16.40	1.161	16.62	28.75	16.40	1.076	14.32	100-110	17.60	824.6	96.9,96.9
120	23.37	7.416	1.710	8.756	22.43	9.164	1.530	5.836	110-120	13.23	837.8	98.5,98.5
130	8.046	2.692	2.184	2.458	11.27	2.191	1.911	2.111	120-130	6.220	844.0	99.2,99.2
140	3.413	2.759	2.551	2.579	2.758	2.418	2.198	2.351	130-140	2.286	846.3	99.5,99.5
150	3.366	2.866	2.772	2.940	2.805	2.852	2.519	2.525	140-150	1.703	848.0	99.7,99.7
160	3.520	3.040	3.238	3.327	3.126	3.272	3.100	2.765	150-160	1.382	849.4	99.8,99.8
170	3.667	3.514	3.713	3.661	3.213	3.600	3.654	3.472	160-170	0.9499	850.4	100,100
180	3.500	4.101	4.068	4.161	3.520	4.054	4.115	4.135	170-180	0.3518	850.7	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:2021-04-08

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:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	96579	17415
80	57769	21353
75	46145	24548
70	41638	26920
65	38933	28581
60	37238	29799
55	36245	30721
50	35636	31421
45	35162	31989

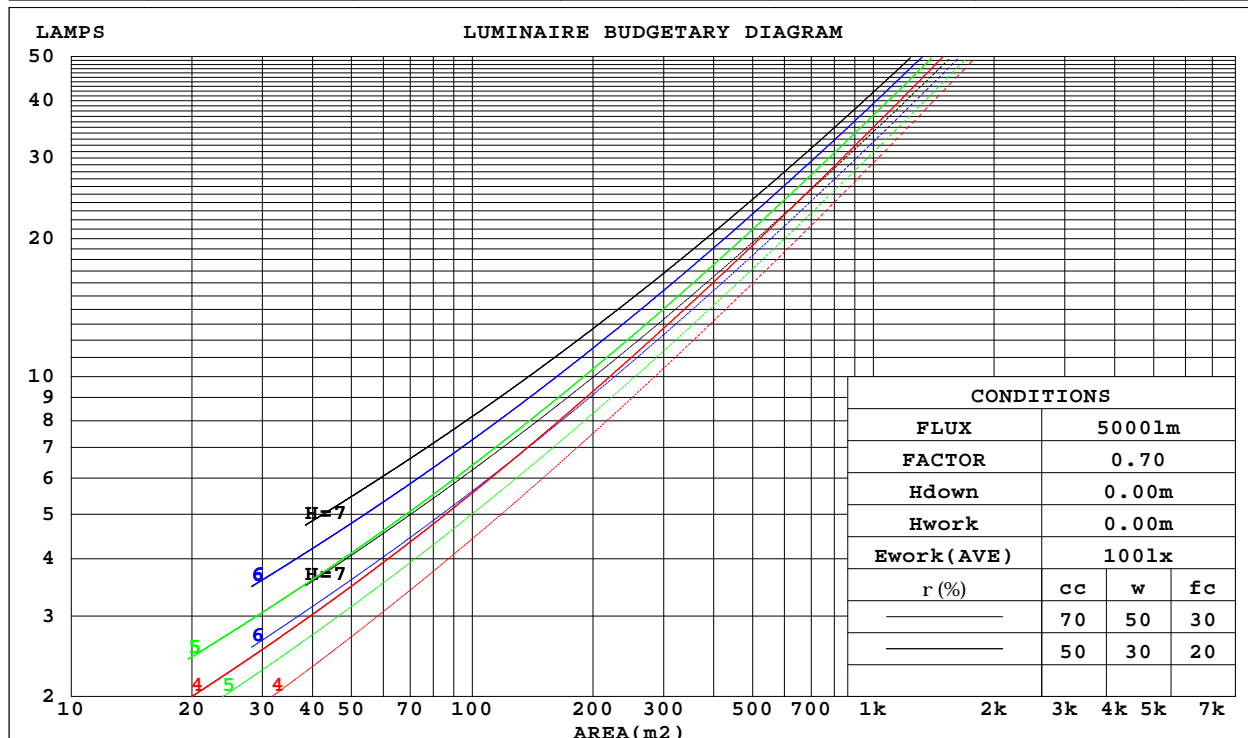
C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2021-04-08

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:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	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:2021-04-08

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:

WEC AND CCEC

Test:U:24.00V I:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	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	.355	.202	.064	.345	.197	.063	.327	.188	.060	.311	.179	.057	.295	.171	.055	
2.0	.317	.174	.053	.309	.170	.052	.293	.163	.051	.278	.156	.049	.264	.149	.047	
3.0	.287	.153	.046	.279	.149	.045	.264	.143	.044	.251	.138	.042	.238	.132	.041	
4.0	.261	.135	.040	.254	.133	.039	.241	.128	.038	.228	.123	.037	.217	.118	.036	
5.0	.238	.121	.035	.232	.119	.035	.220	.115	.034	.210	.111	.033	.199	.107	.032	
6.0	.219	.110	.031	.214	.108	.031	.203	.104	.030	.193	.101	.030	.184	.097	.029	
7.0	.203	.100	.028	.198	.099	.028	.189	.095	.027	.180	.092	.027	.171	.089	.026	
8.0	.189	.092	.026	.184	.091	.026	.176	.088	.025	.167	.085	.024	.160	.082	.024	
9.0	.176	.085	.024	.172	.084	.024	.164	.081	.023	.157	.079	.023	.150	.076	.022	
10.0	.165	.079	.022	.162	.078	.022	.154	.076	.021	.147	.073	.021	.141	.071	.020	

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	.252	.252	.252	.215	.215	.215	.147	.147	.147	.084	.084	.084	.027	.027	.027	
1.0	.245	.218	.193	.210	.187	.166	.144	.129	.115	.083	.074	.067	.026	.024	.022	
2.0	.238	.194	.157	.204	.167	.136	.140	.116	.095	.081	.067	.056	.026	.022	.018	
3.0	.230	.177	.135	.198	.153	.117	.136	.106	.082	.078	.062	.048	.025	.020	.016	
4.0	.223	.164	.120	.191	.142	.104	.131	.099	.073	.076	.058	.043	.024	.019	.014	
5.0	.215	.154	.109	.185	.133	.095	.127	.093	.067	.074	.055	.040	.024	.018	.013	
6.0	.208	.146	.102	.178	.126	.089	.123	.089	.063	.071	.052	.037	.023	.017	.012	
7.0	.201	.139	.096	.173	.121	.084	.119	.085	.059	.069	.050	.035	.022	.016	.012	
8.0	.194	.134	.092	.167	.116	.080	.116	.081	.057	.067	.048	.034	.022	.016	.011	
9.0	.188	.129	.089	.162	.112	.077	.112	.078	.055	.065	.046	.033	.021	.015	.011	
10.0	.182	.124	.086	.157	.108	.075	.109	.076	.053	.063	.045	.032	.021	.015	.011	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-04-08

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:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm											
NAME: NNT0711					TYPE:01			WEIGHT:			
SPEC.:NNT0711-0Y24CSN050CC0100					DIM.: 1000*7*11mm			SERIAL No.:			
MFR.: COLORS					SUR.:1000*7			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	25.4	26.9	25.8	27.3	27.6	24.7	26.1	25.1	26.5	26.9	
	3H	27.5	28.9	28.0	29.3	29.7	26.2	27.6	26.6	27.9	28.4
	4H	28.6	29.9	29.0	30.3	30.7	26.8	28.1	27.2	28.5	28.9
	6H	29.7	31.0	30.2	31.4	31.8	27.2	28.5	27.7	28.9	29.3
	8H	30.4	31.5	30.8	32.0	32.4	27.4	28.5	27.8	29.0	29.4
	12H	31.1	32.2	31.6	32.7	33.2	27.4	28.6	27.9	29.0	29.5
4H	2H	26.0	27.3	26.5	27.7	28.2	25.5	26.7	25.9	27.1	27.6
	3H	28.3	29.5	28.8	29.9	30.4	27.2	28.4	27.7	28.8	29.3
	4H	29.6	30.6	30.1	31.1	31.6	28.0	29.0	28.5	29.5	30.0
	6H	30.9	31.8	31.4	32.3	32.8	28.6	29.5	29.1	30.0	30.6
	8H	31.6	32.5	32.1	33.0	33.6	28.8	29.7	29.3	30.2	30.7
	12H	32.5	33.3	33.0	33.8	34.4	28.9	29.7	29.5	30.2	30.8
8H	4H	29.9	30.7	30.4	31.3	31.8	28.5	29.4	29.1	29.9	30.5
	6H	31.4	32.2	32.0	32.7	33.3	29.4	30.1	30.0	30.7	31.3
	8H	32.3	33.0	32.9	33.6	34.2	29.8	30.4	30.4	31.0	31.6
	12H	33.4	34.0	34.0	34.6	35.2	30.1	30.6	30.7	31.2	31.9
12H	4H	29.9	30.7	30.4	31.2	31.8	28.7	29.5	29.2	30.0	30.6
	6H	31.5	32.2	32.1	32.8	33.4	29.7	30.3	30.3	30.9	31.5
	8H	32.5	33.1	33.1	33.7	34.3	30.2	30.7	30.8	31.3	32.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.4					

CIE Pub.117, 850.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.6)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-04-08

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:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	Shielding Angle:

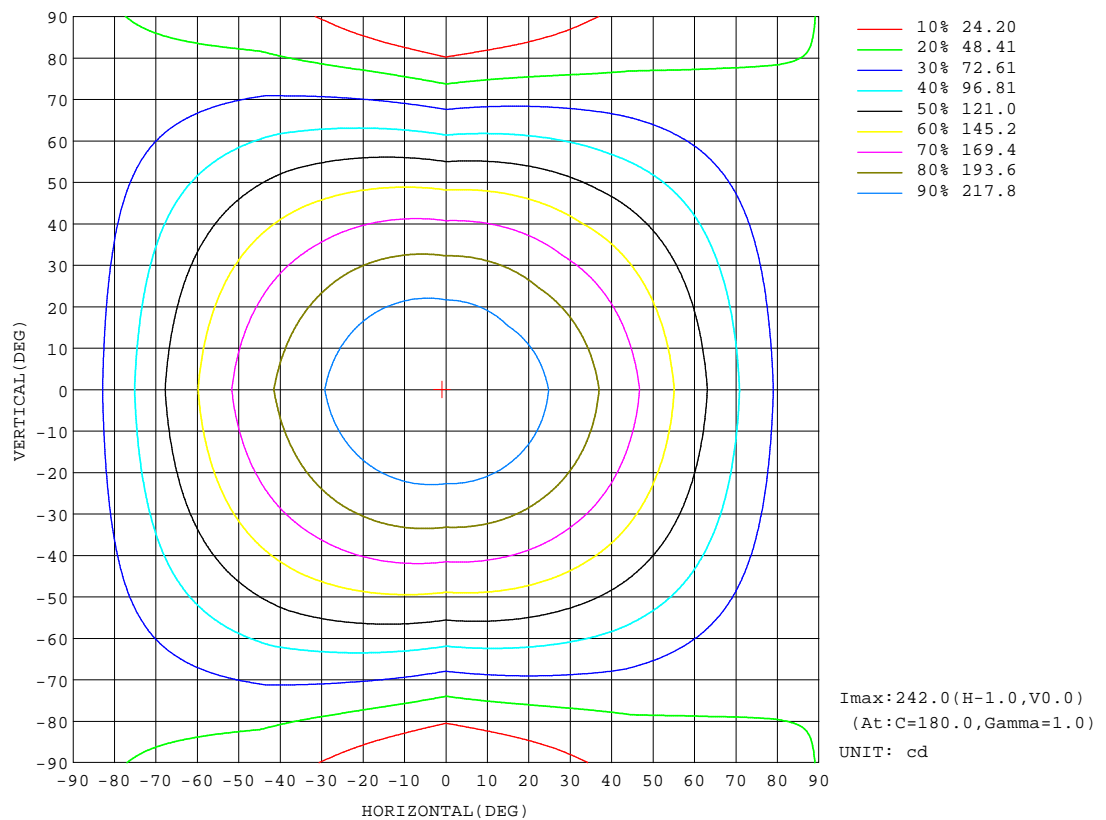
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	40	33	52	40	33	50	39	33	26
0.80	62	50	42	61	49	42	59	48	41	34
1.00	70	58	50	69	57	50	66	58	49	41
1.25	77	65	58	75	64	57	72	63	56	47
1.50	82	71	63	80	70	62	76	67	61	52
2.00	89	79	72	87	78	71	82	75	69	59
2.50	94	84	77	91	83	76	86	79	74	63
3.00	97	89	82	94	87	81	89	83	78	67
4.00	102	95	89	98	92	87	93	88	83	72
5.00	104	98	93	101	96	91	95	91	87	75
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:2021-04-08

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:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	Shielding Angle:



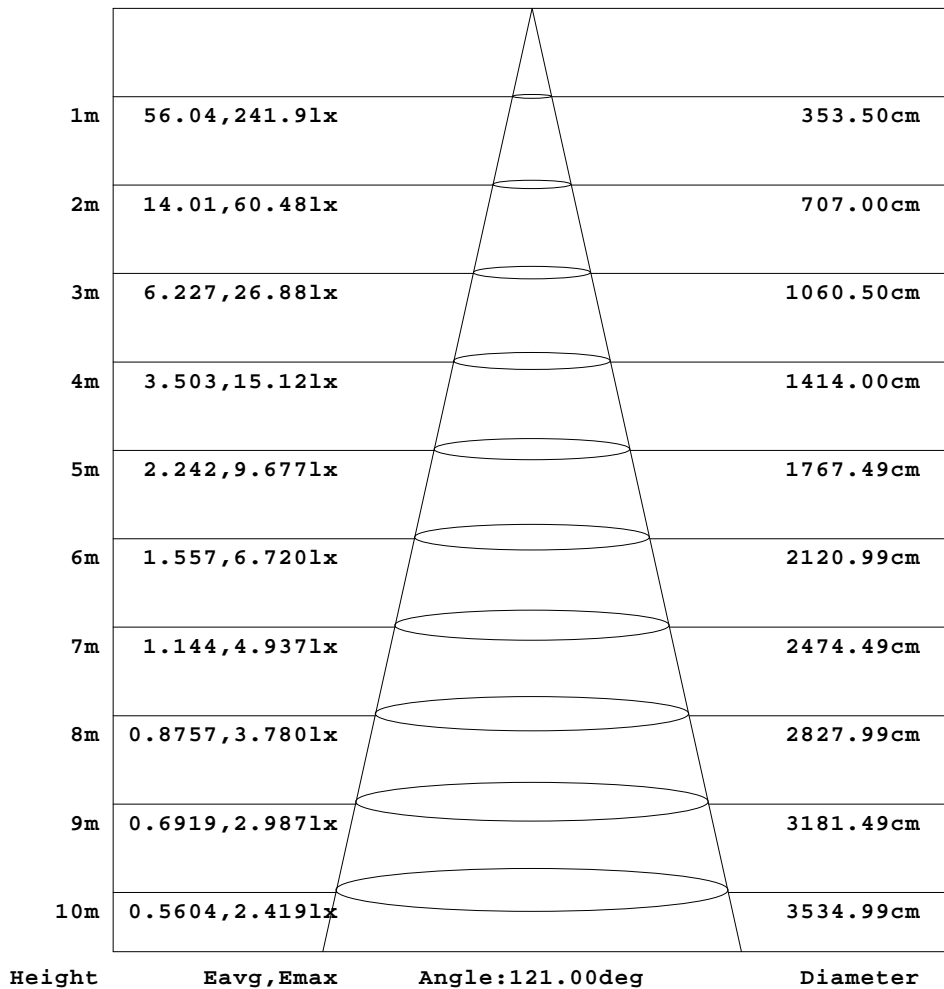
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-04-08

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:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	Shielding Angle:

Flux out:573.0 lm



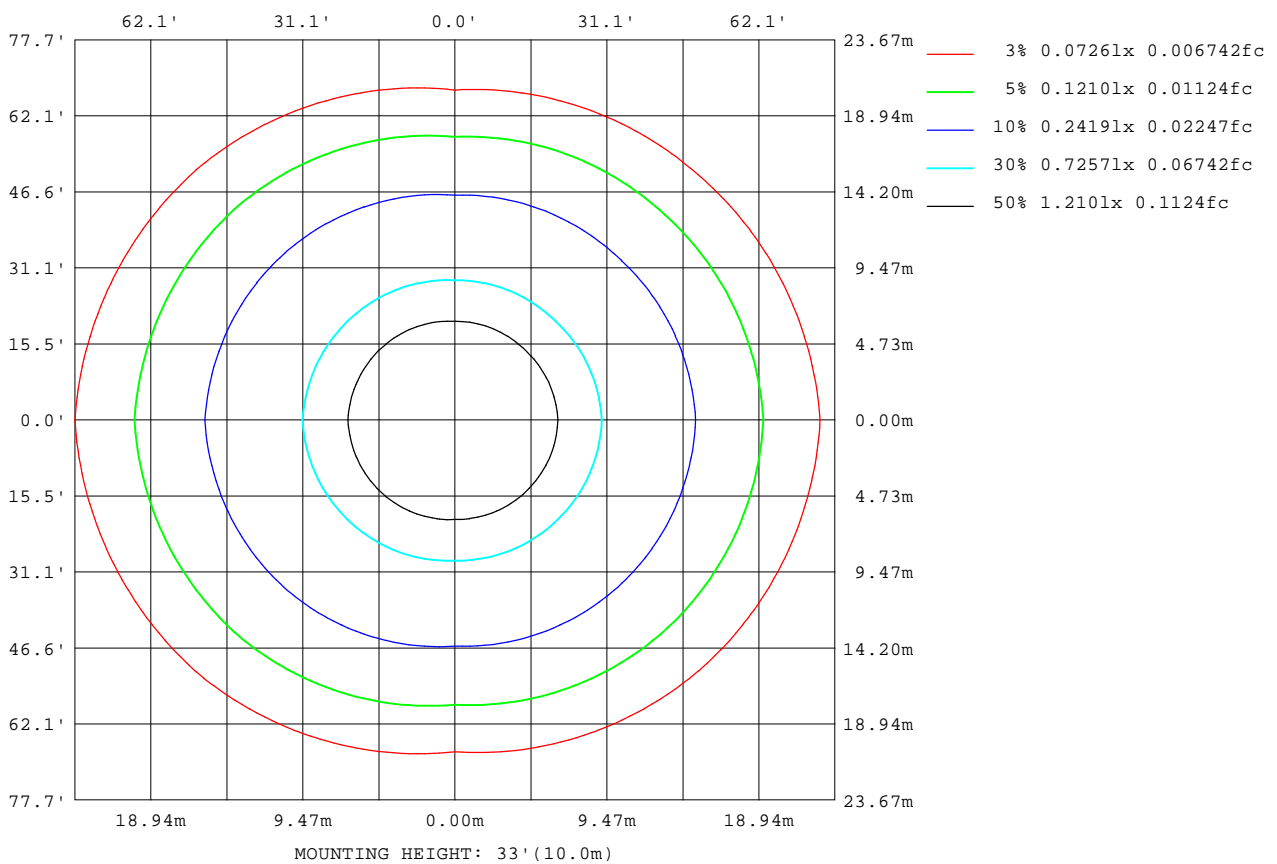
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-04-08

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:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-04-08

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:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	Shielding Angle:

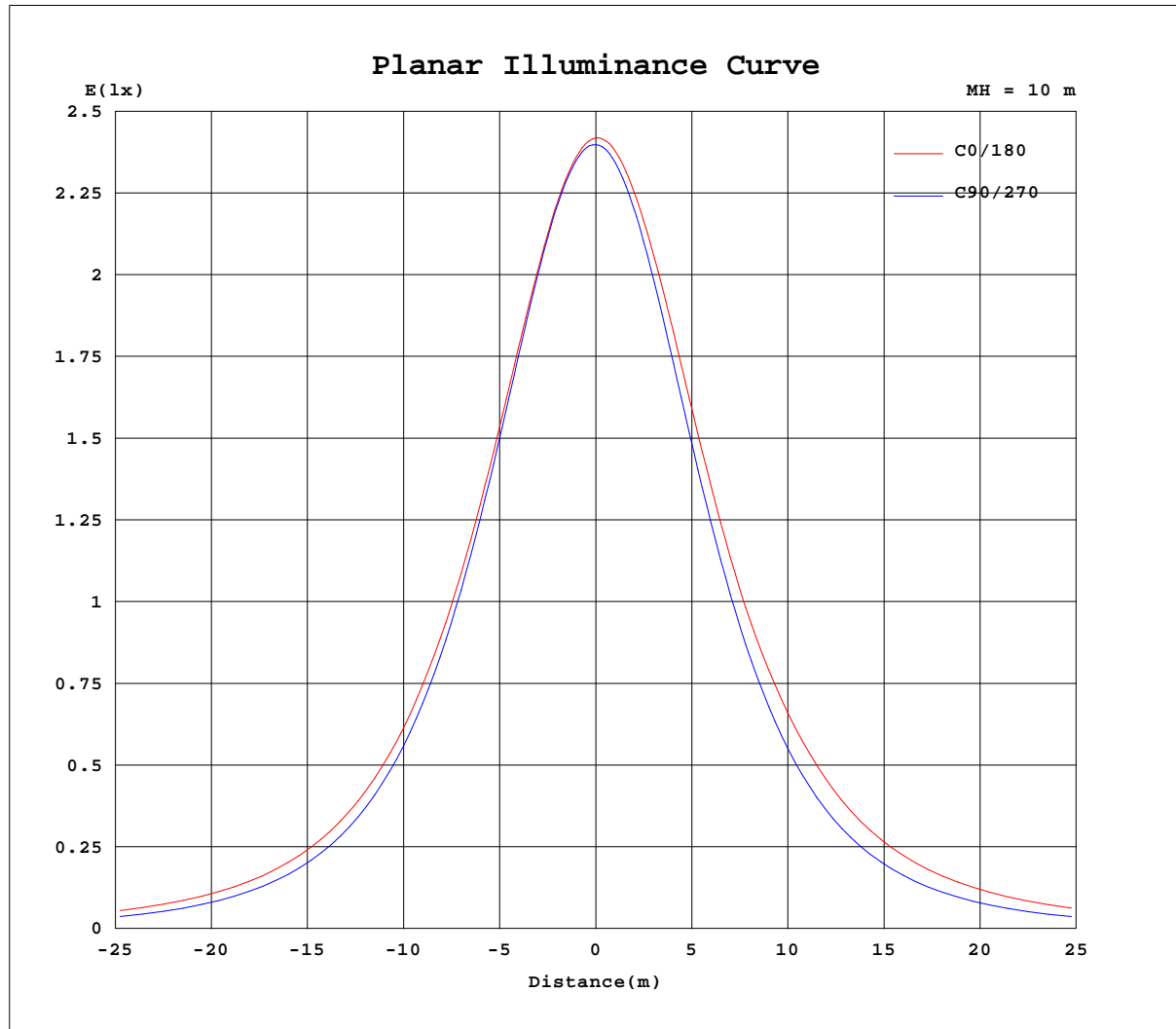
AvgL	cd/m2
L_0~180(65)av	41339
L_0~180(75)av	49938
L_0~180(85)av	103002
L_90~270(65)av	28260
L_90~270(75)av	24238
L_90~270(85)av	16429
L_45(65)av	35463
L_45(75)av	39637
L_45(85)av	70515

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-04-08

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: 2021-04-08

deg Range: 0 - 180DEG
deg 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:0.4358A P:10.46W PF:1.000 Freq:0Hz Lamp Flux:850.715x1 lm		
NAME: NNT0711	TYPE:01	WEIGHT:
SPEC.:NNT0711-0Y24CSN050CC0100	DIM.: 1000*7*11mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*7	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	45	90	135	180	225	270	315										
0	242	241	240	240	242	241	240	240										
5	240	240	239	239	242	240	238	237										
10	237	236	236	237	240	238	235	234										
15	232	231	230	233	236	233	229	228										
20	225	224	223	227	231	226	221	220										
25	217	215	213	219	225	218	211	211										
30	208	205	202	209	217	208	199	200										
35	198	193	189	198	207	197	186	188										
40	187	179	174	186	197	184	172	175										
45	174	165	158	172	187	170	156	160										
50	160	150	141	157	174	156	139	145										
55	146	135	123	143	160	141	121	130										
60	130	118	104	128	145	126	102	114										
65	115	101	84.6	111	129	110	82.7	97.1										
70	99.7	84.9	64.5	94.7	114	93.4	62.9	80.9										
75	83.6	68.3	44.5	77.9	97.3	76.6	43.4	64.5										
80	70.2	53.1	26.0	61.1	81.2	60.1	24.9	49.9										
85	58.9	41.0	10.6	46.6	66.8	45.9	9.42	38.5										
90	48.8	31.2	1.94	34.6	54.0	34.0	1.16	29.3										
95	40.7	22.9	1.54	25.0	43.0	24.6	0.95	21.4										
100	35.0	18.6	0.75	19.9	35.7	19.6	0.52	14.3										
105	30.7	17.3	0.93	18.1	31.9	17.8	0.80	15.3										
110	28.1	16.4	1.16	16.6	28.7	16.4	1.08	14.3										
115	25.9	13.4	1.45	13.6	25.6	14.0	1.32	12.6										
120	23.4	7.42	1.71	8.76	22.4	9.16	1.53	5.84										
125	20.3	2.67	1.94	3.32	19.6	3.27	1.73	2.04										
130	8.05	2.69	2.18	2.46	11.3	2.19	1.91	2.11										
135	3.64	2.73	2.36	2.51	4.02	2.25	2.06	2.25										
140	3.41	2.76	2.55	2.58	2.76	2.42	2.20	2.35										
145	3.39	2.80	2.65	2.75	2.71	2.63	2.35	2.42										
150	3.37	2.87	2.77	2.94	2.81	2.85	2.52	2.52										
155	3.41	2.93	2.98	3.13	2.96	3.08	2.81	2.64										
160	3.52	3.04	3.24	3.33	3.13	3.27	3.10	2.76										
165	3.65	3.23	3.49	3.48	3.29	3.41	3.38	3.08										
170	3.67	3.51	3.71	3.66	3.21	3.60	3.65	3.47										
175	3.47	3.84	3.92	3.90	3.23	3.84	3.91	3.83										
180	3.50	4.10	4.07	4.16	3.52	4.05	4.11	4.13										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2021-04-08

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: