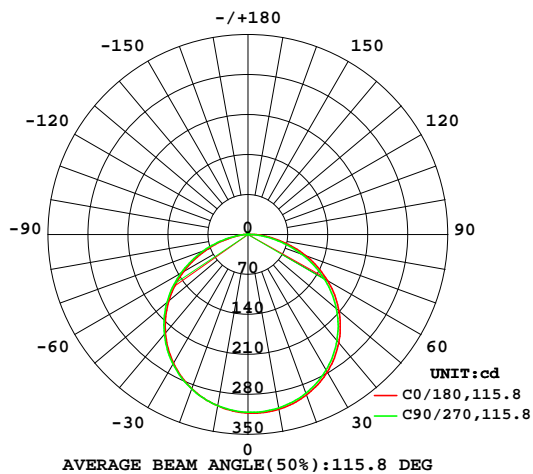


LUMINAIRE PHOTOMETRIC TEST REPORT

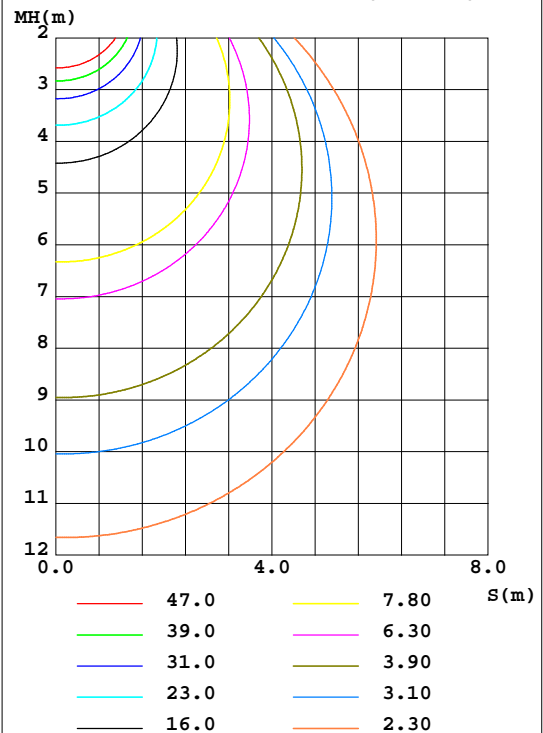
Test:U:24.00V I:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8SWNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.53 lm/W			
MODEL	DJ1202408NO	I _{max} (cd)	313.0	S/MH(C0/180)	1.32
NOMINAL POWER(W)	8.8	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	944.20	h UP,DN(C0-180)	1.0,51.5
NOMINAL FLUX(lm)	944.198	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.8,46.7
LAMPS INSIDE	1	h up(%)	1.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	98.2	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:JYH
 Test Date:2020-09-04

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:

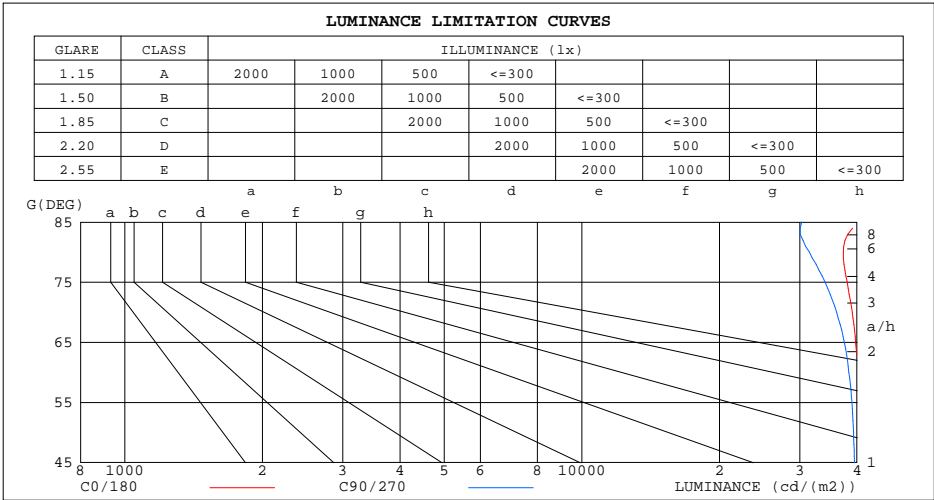
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	310.7	311.1	308.5	305.9	304.8	304.0	304.4	307.1	0- 10	29.54	29.54	3.13,3.13
20	299.2	300.0	296.0	291.0	287.3	286.1	288.0	293.3	10- 20	85.00	114.5	12.1,12.1
30	278.0	279.2	273.9	266.7	260.6	258.9	262.5	270.1	20- 30	129.9	244.5	25.9,25.9
40	247.5	248.9	242.6	233.3	224.9	223.0	228.0	237.9	30- 40	158.5	402.9	42.7,42.7
50	208.1	209.6	202.2	191.1	181.2	179.1	185.4	197.2	40- 50	166.6	569.5	60.3,60.3
60	160.7	162.1	153.7	141.3	130.5	128.9	135.8	148.9	50- 60	152.3	721.8	76.5,76.5
70	106.9	107.7	98.81	85.72	76.00	75.51	82.37	94.76	60- 70	117.1	839.0	88.9,88.9
80	51.90	52.08	43.75	32.27	26.71	26.75	30.32	40.85	70- 80	67.36	906.3	96,96
90	12.68	12.71	5.170	3.220	2.445	2.049	0.2956	5.332	80- 90	20.70	927.0	98.2,98.2
100	3.085	3.981	1.062	1.216	1.089	0.9473	0.8833	0.6604	90-100	2.854	929.9	98.5,98.5
110	2.131	1.909	1.454	1.764	1.805	1.576	1.631	1.395	100-110	1.702	931.6	98.7,98.7
120	2.538	2.371	2.311	2.485	2.514	2.177	2.266	2.130	110-120	2.005	933.6	98.9,98.9
130	3.057	2.993	2.939	3.021	3.133	2.779	2.787	2.692	120-130	2.373	936.0	99.1,99.1
140	3.627	3.447	3.393	3.475	3.635	3.392	3.133	3.012	130-140	2.449	938.4	99.4,99.4
150	4.040	3.701	3.699	3.968	3.921	3.934	3.474	3.259	140-150	2.239	940.6	99.6,99.6
160	4.448	3.921	4.228	4.456	4.289	4.461	4.237	3.614	150-160	1.830	942.5	99.8,99.8
170	4.589	4.563	4.842	4.863	4.388	4.856	4.876	4.561	160-170	1.255	943.7	100,100
180	4.582	5.410	5.417	5.450	4.582	5.397	5.444	5.457	170-180	0.4629	944.2	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:2020-09-04

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:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8SWNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	40871	30266
80	37360	31494
75	38062	34066
70	39053	36112
65	39740	37519
60	40170	38417
55	40395	38987
50	40465	39313
45	40454	39496

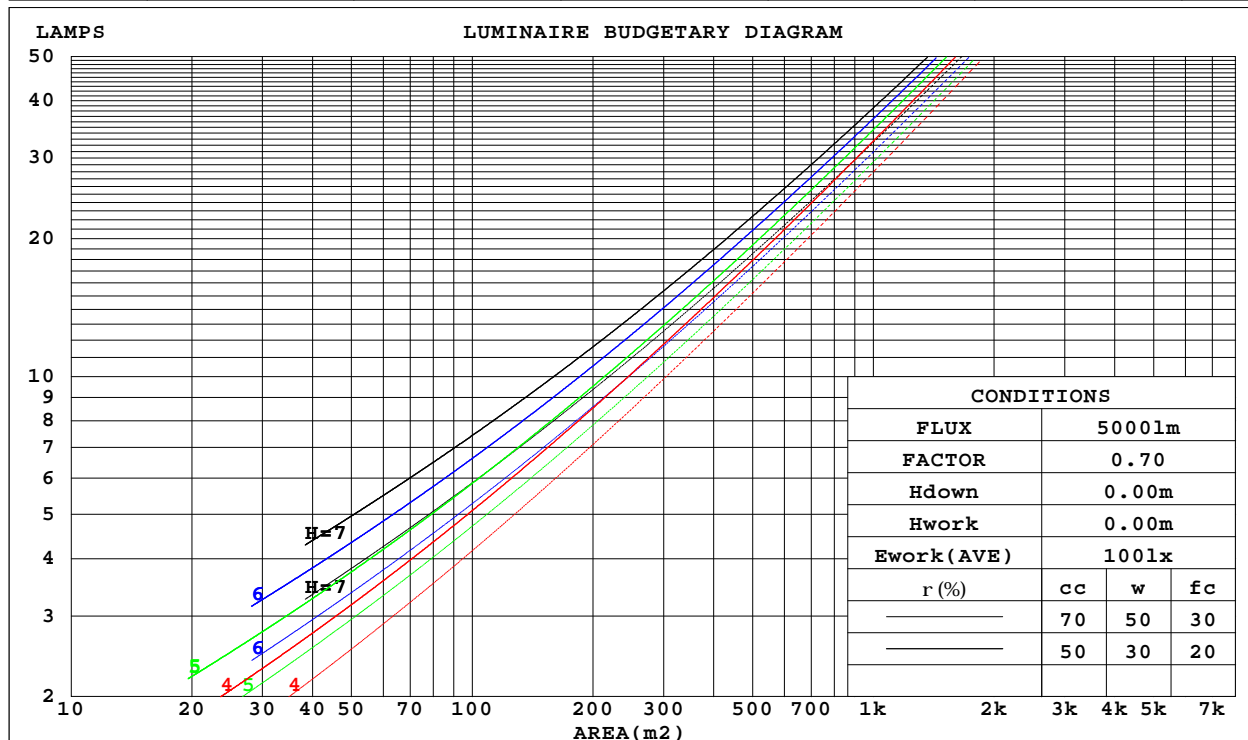
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-04

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:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8SWNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	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:2020-09-04

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:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8SWNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	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	.315	.179	.057	.308	.175	.056	.293	.168	.054	.280	.162	.052	.268	.155	.050	
2.0	.295	.162	.050	.288	.159	.049	.276	.153	.048	.264	.148	.046	.253	.143	.045	
3.0	.273	.145	.043	.267	.143	.043	.255	.138	.042	.245	.134	.041	.235	.130	.040	
4.0	.251	.130	.038	.246	.129	.038	.236	.125	.037	.226	.122	.037	.218	.118	.036	
5.0	.232	.118	.034	.227	.117	.034	.218	.114	.033	.210	.111	.033	.202	.108	.032	
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.195	.101	.030	.188	.099	.029	
7.0	.200	.099	.028	.196	.098	.028	.189	.095	.027	.182	.093	.027	.176	.091	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.086	.025	.165	.085	.025	
9.0	.175	.084	.024	.172	.084	.023	.166	.082	.023	.160	.080	.023	.155	.079	.023	
10.0	.164	.079	.022	.161	.078	.022	.156	.076	.022	.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	.204	.204	.204	.175	.175	.175	.119	.119	.119	.068	.068	.068	.022	.022	.022	
1.0	.195	.170	.148	.167	.146	.127	.114	.100	.088	.066	.058	.051	.021	.019	.017	
2.0	.187	.146	.112	.160	.126	.097	.110	.087	.067	.063	.051	.039	.020	.016	.013	
3.0	.179	.128	.088	.154	.111	.076	.105	.077	.054	.061	.045	.032	.020	.015	.010	
4.0	.172	.115	.072	.147	.100	.063	.101	.069	.044	.059	.041	.026	.019	.013	.009	
5.0	.164	.105	.061	.141	.091	.053	.097	.063	.038	.056	.037	.022	.018	.012	.007	
6.0	.157	.097	.053	.135	.084	.046	.093	.059	.033	.054	.034	.020	.017	.011	.006	
7.0	.150	.090	.047	.129	.078	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
8.0	.144	.084	.043	.124	.073	.037	.086	.051	.027	.050	.030	.016	.016	.010	.005	
9.0	.138	.079	.039	.118	.069	.034	.082	.048	.024	.048	.028	.015	.015	.009	.005	
10.0	.132	.075	.037	.114	.065	.032	.079	.046	.023	.046	.027	.014	.015	.009	.005	

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-04

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:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm										
NAME: DJ1202408NO					TYPE:			WEIGHT:		
SPEC.:DJ1202408NO-8SWNSA012WC0100					DIM.: 1000*8*1.5mm			SERIAL No.:		
MFR.: COLORS					SUR.:1000*8mm			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	26.2	27.7	26.5	28.0	28.2	26.1	27.6	26.3	27.8	28.0
3H	27.9	29.3	28.2	29.6	29.9	27.7	29.1	28.0	29.3	29.6
4H	28.7	30.0	29.0	30.3	30.6	28.3	29.7	28.7	29.9	30.2
6H	29.2	30.5	29.6	30.8	31.1	28.8	30.1	29.2	30.4	30.7
8H	29.5	30.7	29.8	31.0	31.3	29.0	30.2	29.4	30.5	30.8
12H	29.6	30.8	30.0	31.1	31.5	29.1	30.3	29.5	30.6	30.9
4H 2H	26.9	28.2	27.2	28.5	28.8	26.8	28.1	27.1	28.4	28.7
3H	28.8	29.9	29.2	30.3	30.6	28.6	29.7	29.0	30.1	30.4
4H	29.6	30.7	30.1	31.1	31.4	29.4	30.4	29.8	30.8	31.2
6H	30.4	31.3	30.8	31.7	32.1	30.0	30.9	30.4	31.3	31.7
8H	30.7	31.5	31.1	31.9	32.4	30.2	31.1	30.7	31.5	31.9
12H	30.9	31.7	31.4	32.1	32.6	30.4	31.2	30.9	31.6	32.1
8H 4H	30.0	30.8	30.4	31.2	31.7	29.7	30.6	30.2	31.0	31.4
6H	30.9	31.6	31.3	32.0	32.5	30.5	31.3	31.0	31.7	32.2
8H	31.3	31.9	31.8	32.4	32.9	30.9	31.5	31.4	32.0	32.5
12H	31.7	32.2	32.2	32.7	33.2	31.1	31.7	31.7	32.2	32.7
12H 4H	30.0	30.8	30.4	31.2	31.7	29.8	30.6	30.2	31.0	31.4
6H	31.0	31.6	31.4	32.1	32.6	30.6	31.3	31.1	31.7	32.2
8H	31.4	32.0	31.9	32.5	33.0	31.0	31.6	31.5	32.1	32.6
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 / - 0.4				

CIE Pub.117, 944.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.2)

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-04

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:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8SWNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:

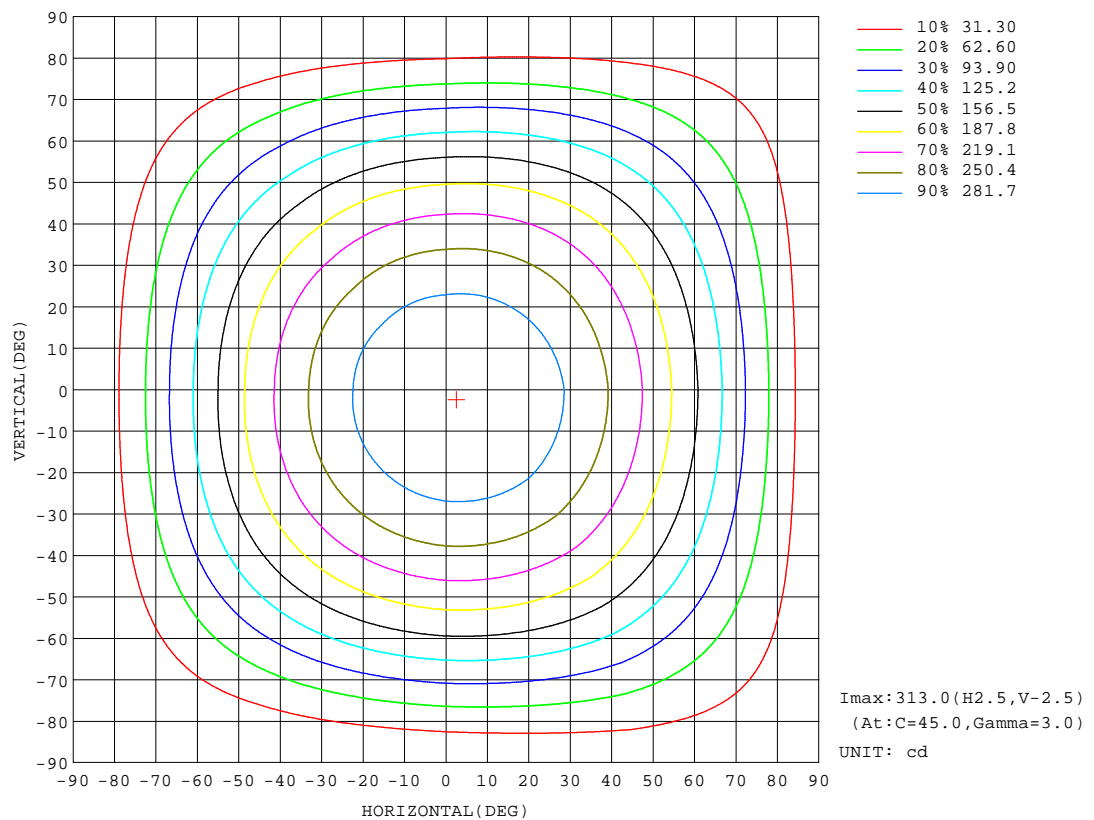
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	45	38	56	44	37	54	44	37	31
0.80	66	55	47	65	54	47	63	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	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	79	92	84	78	88	81	76	68
2.50	98	90	84	96	88	83	92	86	81	72
3.00	101	94	89	99	93	87	95	89	85	76
4.00	105	100	95	103	98	93	98	94	90	81
5.00	108	103	99	105	101	97	100	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:2020-09-04

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:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8SWNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:



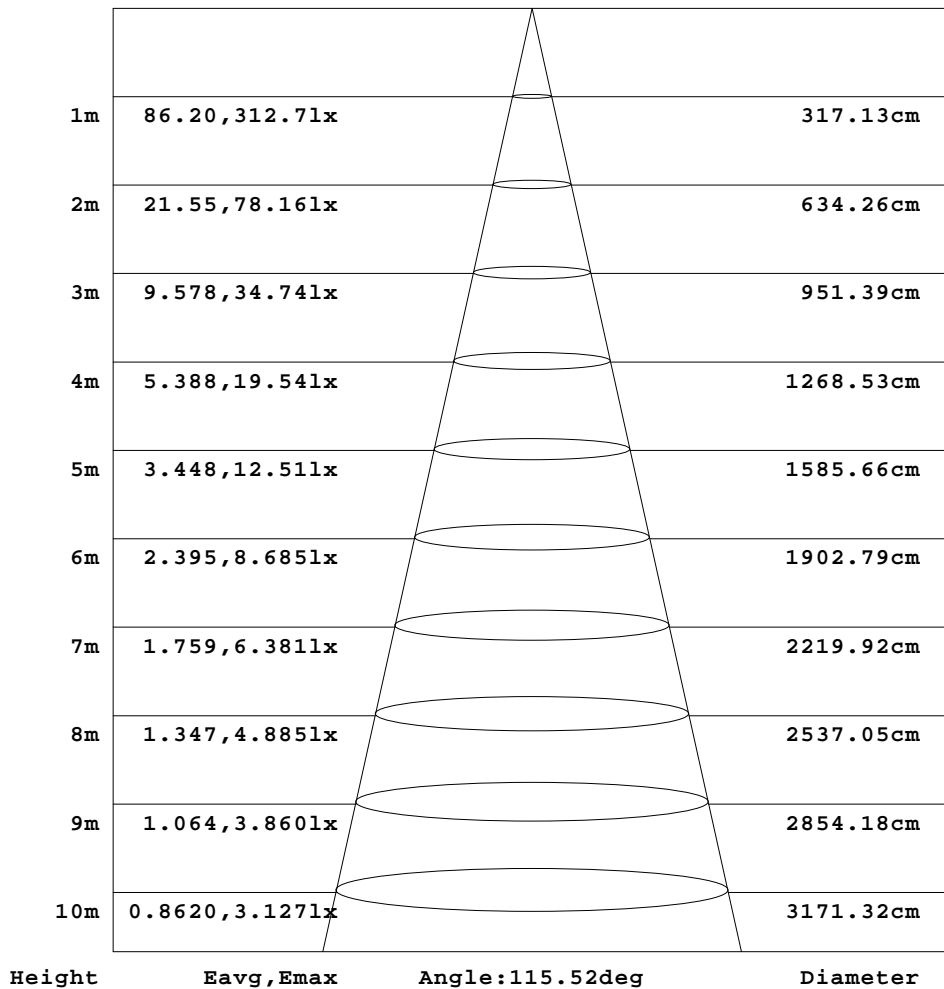
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-04

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:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8SWNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:

Flux out:693.6 lm



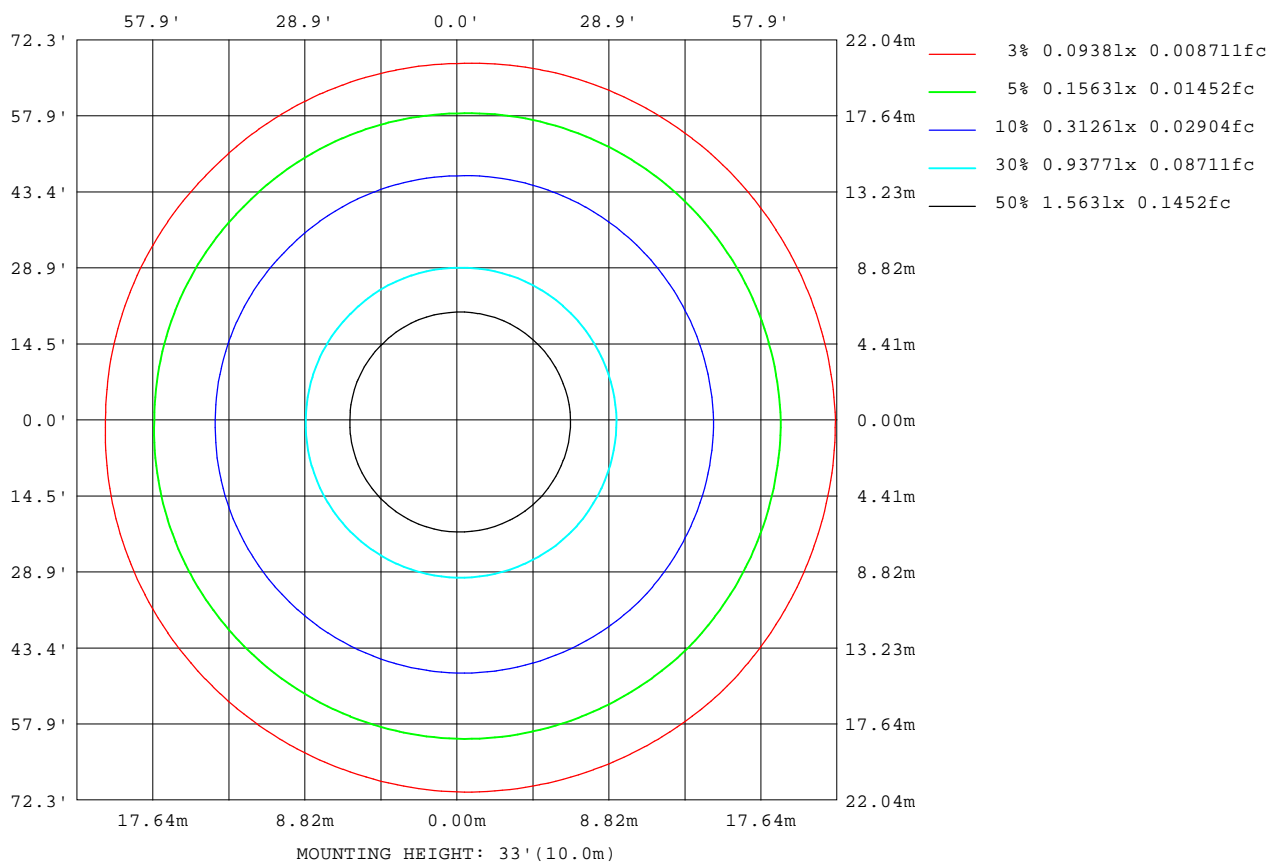
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-04

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

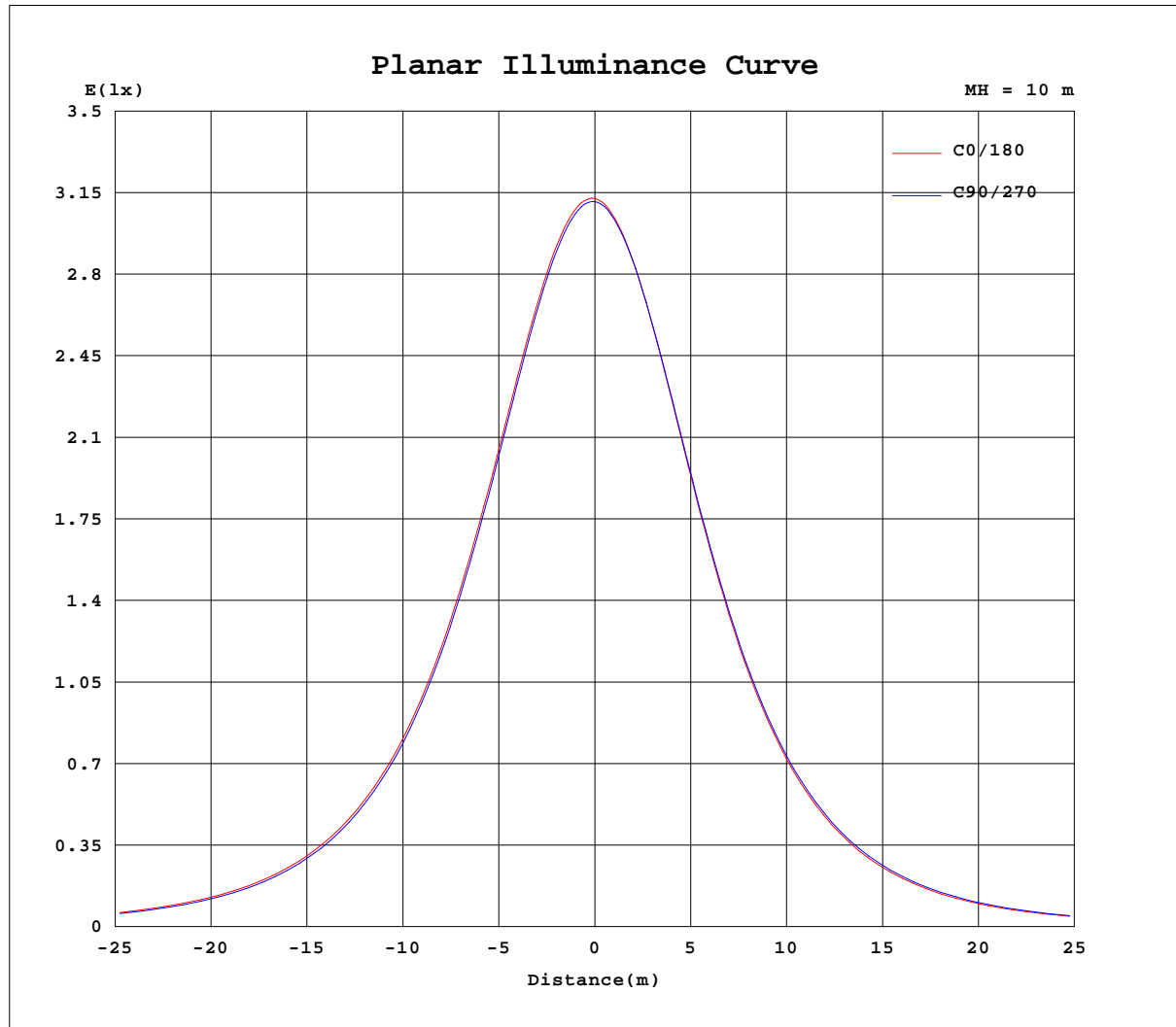
Test:U:24.00V I:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8SWNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 45.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: JYH
 Test Date: 2020-09-04

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: 2020-09-04

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:944.198x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8SWNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	45	90	135	180	225	270	315										
0	313	312	311	311	313	312	311	311										
5	313	313	311	310	310	309	309	310										
10	311	311	308	306	305	304	304	307										
15	306	307	303	300	297	296	297	301										
20	299	300	296	291	287	286	288	293										
25	290	291	286	280	275	274	276	283										
30	278	279	274	267	261	259	262	270										
35	264	265	259	251	244	242	246	255										
40	248	249	243	233	225	223	228	238										
45	229	230	223	213	204	202	208	219										
50	208	210	202	191	181	179	185	197										
55	185	187	179	167	157	155	161	174										
60	161	162	154	141	130	129	136	149										
65	134	136	127	114	103	102	109	122										
70	107	108	98.8	85.7	76.0	75.5	82.4	94.8										
75	78.8	79.4	70.5	57.7	49.7	49.6	55.7	67.0										
80	51.9	52.1	43.8	32.3	26.7	26.8	30.3	40.9										
85	28.5	28.5	21.1	13.0	10.3	9.90	10.7	19.0										
90	12.7	12.7	5.17	3.22	2.44	2.05	0.30	5.33										
95	5.62	6.33	1.10	1.32	1.10	0.99	0.53	0.84										
100	3.09	3.98	1.06	1.22	1.09	0.95	0.88	0.66										
105	2.36	2.86	1.15	1.45	1.42	1.28	1.28	1.04										
110	2.13	1.91	1.45	1.76	1.80	1.58	1.63	1.39										
115	2.26	1.99	1.90	2.13	2.16	1.91	1.98	1.81										
120	2.54	2.37	2.31	2.49	2.51	2.18	2.27	2.13										
125	2.76	2.69	2.66	2.77	2.84	2.52	2.56	2.45										
130	3.06	2.99	2.94	3.02	3.13	2.78	2.79	2.69										
135	3.39	3.25	3.17	3.25	3.41	3.08	2.98	2.87										
140	3.63	3.45	3.39	3.47	3.63	3.39	3.13	3.01										
145	3.83	3.57	3.54	3.71	3.81	3.68	3.27	3.15										
150	4.04	3.70	3.70	3.97	3.92	3.93	3.47	3.26										
155	4.24	3.80	3.90	4.22	4.10	4.24	3.86	3.39										
160	4.45	3.92	4.23	4.46	4.29	4.46	4.24	3.61										
165	4.63	4.14	4.55	4.65	4.45	4.64	4.58	4.02										
170	4.59	4.56	4.84	4.86	4.39	4.86	4.88	4.56										
175	4.40	5.01	5.12	5.15	4.32	5.12	5.17	5.08										
180	4.58	5.41	5.42	5.45	4.58	5.40	5.44	5.46										

C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-04

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: