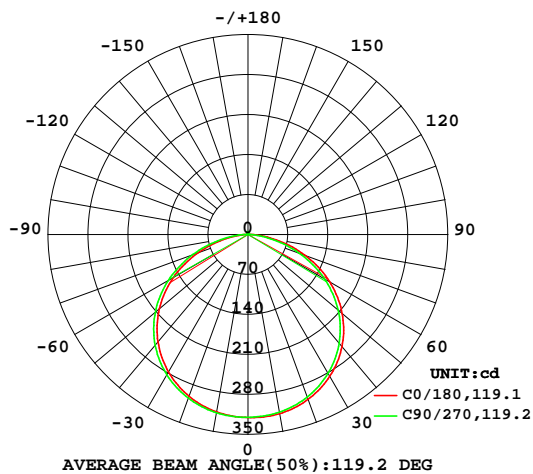


LUMINAIRE PHOTOMETRIC TEST REPORT

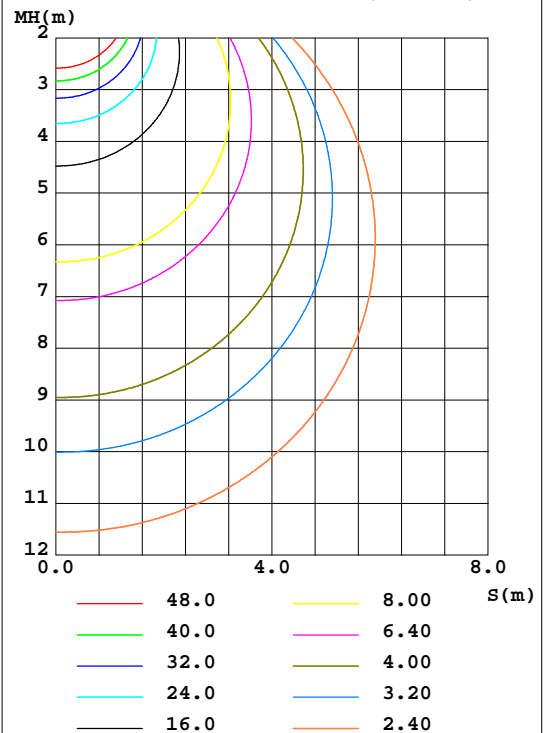
Test:U:24.00V I:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:1002.35x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8WNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.21 lm/W			
MODEL	DJ1202408NO	I _{max} (cd)	320.7	S/MH(C0/180)	1.33
NOMINAL POWER(W)	8.8	LOR(%)	100.0	S/MH(C90/270)	1.32
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1002.3	h UP,DN(C0-180)	0.9,49.2
NOMINAL FLUX(lm)	1002.35	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.8,49.1
LAMPS INSIDE	1	h up(%)	1.6	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	h down(%)	98.4	CIBSE SHR MAX	1.50

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:

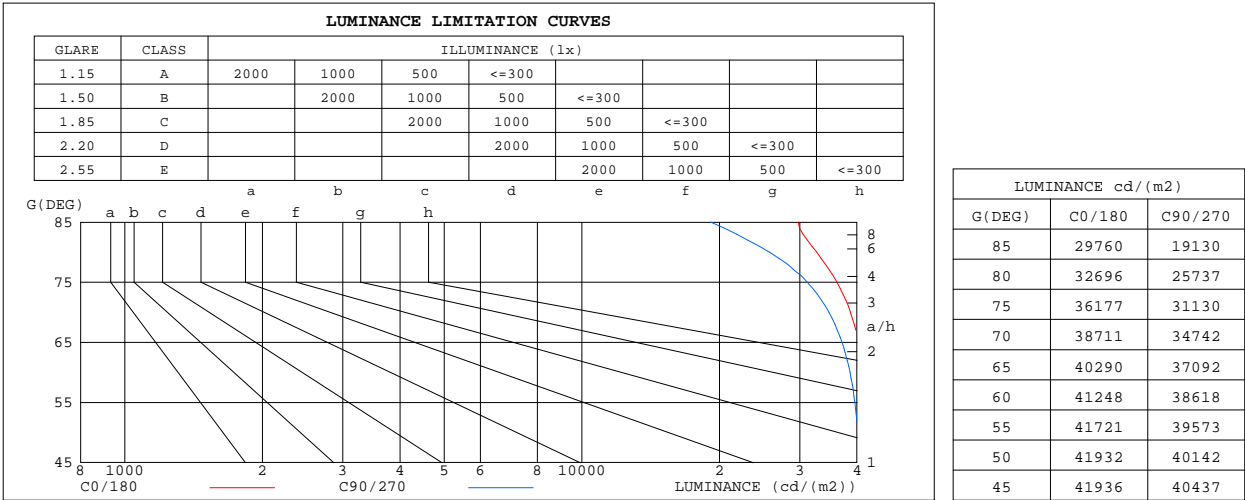
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	318.5	317.7	316.0	315.6	315.5	316.0	317.0	317.9	0- 10	30.42	30.42	3.03,3.03
20	307.3	305.9	303.0	302.0	301.5	302.6	305.1	306.6	10- 20	88.05	118.5	11.8,11.8
30	286.7	284.7	280.6	279.1	278.1	280.0	284.0	286.0	20- 30	135.8	254.3	25.4,25.4
40	256.3	253.8	248.6	246.7	245.4	247.9	253.0	255.6	30- 40	167.6	421.9	42.1,42.1
50	215.6	212.6	206.4	204.3	202.8	206.0	212.0	215.0	40- 50	178.4	600.3	59.9,59.9
60	165.0	161.5	154.5	152.4	151.0	154.5	161.3	164.6	50- 60	165.0	765.3	76.4,76.4
70	105.9	102.1	95.06	92.91	91.98	95.67	102.7	105.7	60- 70	127.7	893.0	89.1,89.1
80	45.42	42.41	35.75	34.95	34.36	37.70	43.42	45.59	70- 80	72.54	965.6	96.3,96.3
90	5.694	5.042	1.353	2.850	2.496	3.891	2.833	5.653	80- 90	20.37	985.9	98.4,98.4
100	1.189	1.264	1.176	1.323	0.9629	0.9485	0.7836	0.7540	90-100	1.618	987.5	98.5,98.5
110	1.803	1.904	1.754	1.953	1.812	1.546	1.650	1.587	100-110	1.441	989.0	98.7,98.7
120	2.685	2.719	2.631	2.720	2.581	2.176	2.353	2.363	110-120	2.121	991.1	98.9,98.9
130	3.419	3.294	3.172	3.268	3.254	2.844	2.912	2.952	120-130	2.550	993.7	99.1,99.1
140	3.947	3.688	3.586	3.748	3.761	3.498	3.320	3.306	130-140	2.617	996.3	99.4,99.4
150	4.307	3.861	3.893	4.229	4.028	4.061	3.628	3.507	140-150	2.366	998.6	99.6,99.6
160	4.662	4.095	4.508	4.676	4.362	4.562	4.396	3.834	150-160	1.918	1001	99.8,99.8
170	4.823	4.791	5.083	5.057	4.448	4.949	5.050	4.734	160-170	1.307	1002	100,100
180	4.636	5.537	5.557	5.664	4.649	5.537	5.597	5.664	170-180	0.4787	1002	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
 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:1002.35x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8WNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:



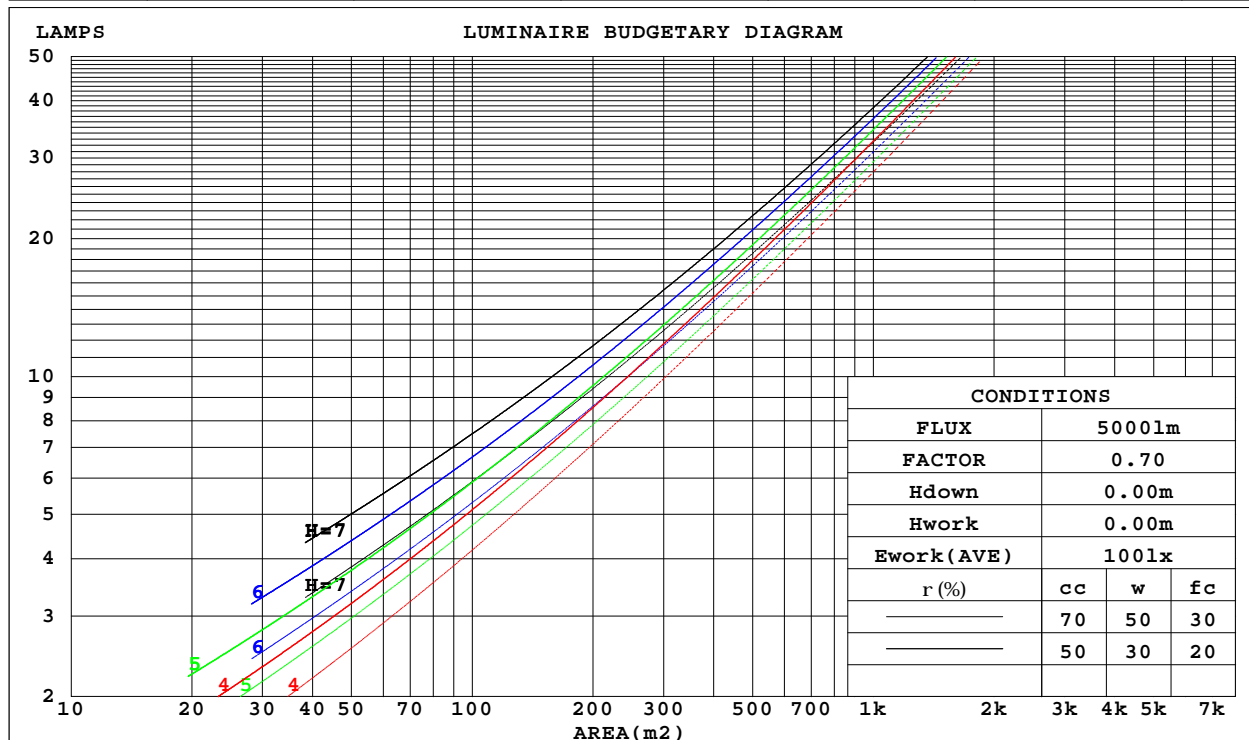
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:JYH
Test Date:2020-09-04

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:1002.35x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8WNSA012WC0100	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:1002.35x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8WNSA012WC0100	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	.316	.179	.057	.308	.176	.056	.294	.169	.054	.281	.162	.052	.269	.156	.050	
2.0	.296	.162	.050	.290	.160	.049	.277	.154	.048	.265	.149	.047	.255	.144	.045	
3.0	.274	.146	.044	.268	.143	.043	.257	.139	.042	.246	.135	.041	.237	.131	.041	
4.0	.252	.131	.039	.247	.129	.038	.237	.126	.038	.228	.122	.037	.219	.119	.036	
5.0	.233	.119	.034	.228	.117	.034	.219	.114	.034	.211	.111	.033	.203	.109	.033	
6.0	.216	.108	.031	.212	.107	.031	.204	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.187	.092	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025	
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.147	.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	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.193	.169	.146	.165	.145	.126	.113	.100	.087	.065	.058	.051	.021	.019	.016	
2.0	.186	.145	.110	.159	.124	.095	.109	.086	.066	.063	.050	.039	.020	.016	.013	
3.0	.178	.127	.086	.153	.110	.075	.105	.076	.053	.060	.044	.031	.019	.014	.010	
4.0	.170	.114	.071	.146	.098	.061	.101	.069	.043	.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	.082	.045	.092	.058	.032	.054	.034	.019	.017	.011	.006	
7.0	.149	.088	.046	.128	.077	.040	.089	.054	.028	.051	.032	.017	.017	.010	.006	
8.0	.143	.083	.041	.123	.072	.036	.085	.050	.026	.049	.030	.015	.016	.010	.005	
9.0	.136	.078	.038	.118	.067	.033	.081	.047	.024	.047	.028	.014	.015	.009	.005	
10.0	.131	.073	.035	.113	.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: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:1002.35x1 lm											
NAME: DJ1202408NO					TYPE:			WEIGHT:			
SPEC.:DJ1202408NO-8WNSA012WC0100					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	25.9	27.4	26.2	27.7	27.9	25.7	27.2	26.0	27.4	27.7	
	3H	27.6	29.0	27.9	29.2	29.5	27.2	28.6	27.5	28.9	29.2
	4H	28.2	29.5	28.5	29.8	30.1	27.8	29.1	28.1	29.4	29.7
	6H	28.7	29.9	29.0	30.2	30.5	28.1	29.4	28.5	29.7	30.0
	8H	28.8	30.0	29.2	30.3	30.7	28.2	29.4	28.6	29.7	30.1
	12H	28.9	30.1	29.3	30.4	30.7	28.2	29.4	28.6	29.7	30.1
4H	2H	26.5	27.9	26.9	28.2	28.5	26.4	27.7	26.7	28.0	28.3
	3H	28.3	29.5	28.7	29.8	30.2	28.1	29.2	28.4	29.6	29.9
	4H	29.1	30.2	29.5	30.5	30.9	28.7	29.8	29.1	30.2	30.5
	6H	29.7	30.6	30.1	31.0	31.4	29.2	30.2	29.6	30.5	30.9
	8H	29.9	30.8	30.3	31.2	31.6	29.3	30.2	29.8	30.6	31.0
	12H	30.0	30.9	30.5	31.3	31.7	29.4	30.2	29.9	30.6	31.1
8H	4H	29.4	30.2	29.8	30.6	31.1	29.0	29.9	29.5	30.3	30.7
	6H	30.1	30.8	30.6	31.3	31.7	29.6	30.4	30.1	30.8	31.3
	8H	30.4	31.0	30.9	31.5	32.0	29.9	30.5	30.3	31.0	31.4
	12H	30.6	31.2	31.1	31.6	32.2	30.0	30.6	30.5	31.0	31.5
12H	4H	29.4	30.2	29.8	30.6	31.0	29.0	29.9	29.5	30.3	30.7
	6H	30.1	30.8	30.6	31.2	31.7	29.7	30.4	30.2	30.8	31.3
	8H	30.5	31.0	31.0	31.5	32.0	30.0	30.5	30.5	31.0	31.5
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 1002 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 0.0)

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:1002.35x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8WNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:

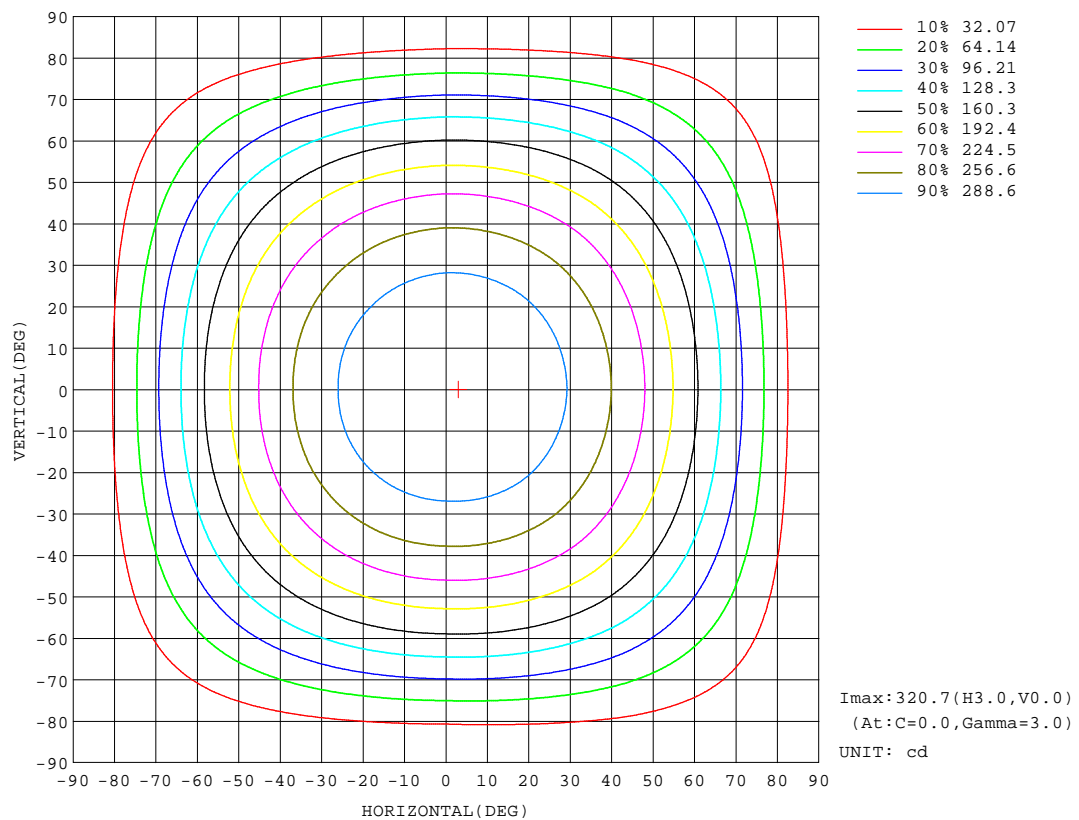
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	56	44	37	55	44	37	54	43	37	30
0.80	66	54	47	65	54	46	63	53	46	39
1.00	75	63	56	73	63	55	71	64	55	47
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	78	88	81	76	68
2.50	98	90	84	96	88	83	92	85	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	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: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:1002.35x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8WNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:



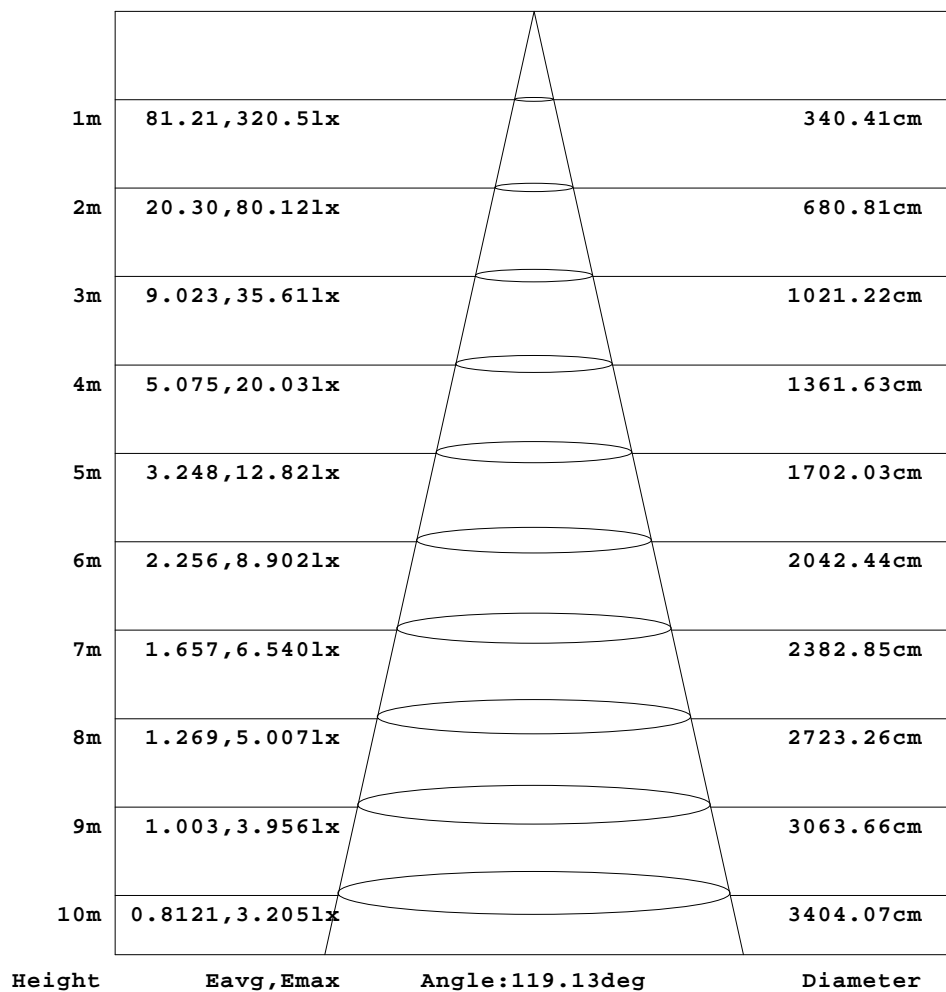
C Range: 0 - 360DEG
C Interval: 45.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: JYH
Test Date: 2020-09-04

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:1002.35x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8WNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:

Flux out:765.3 lm



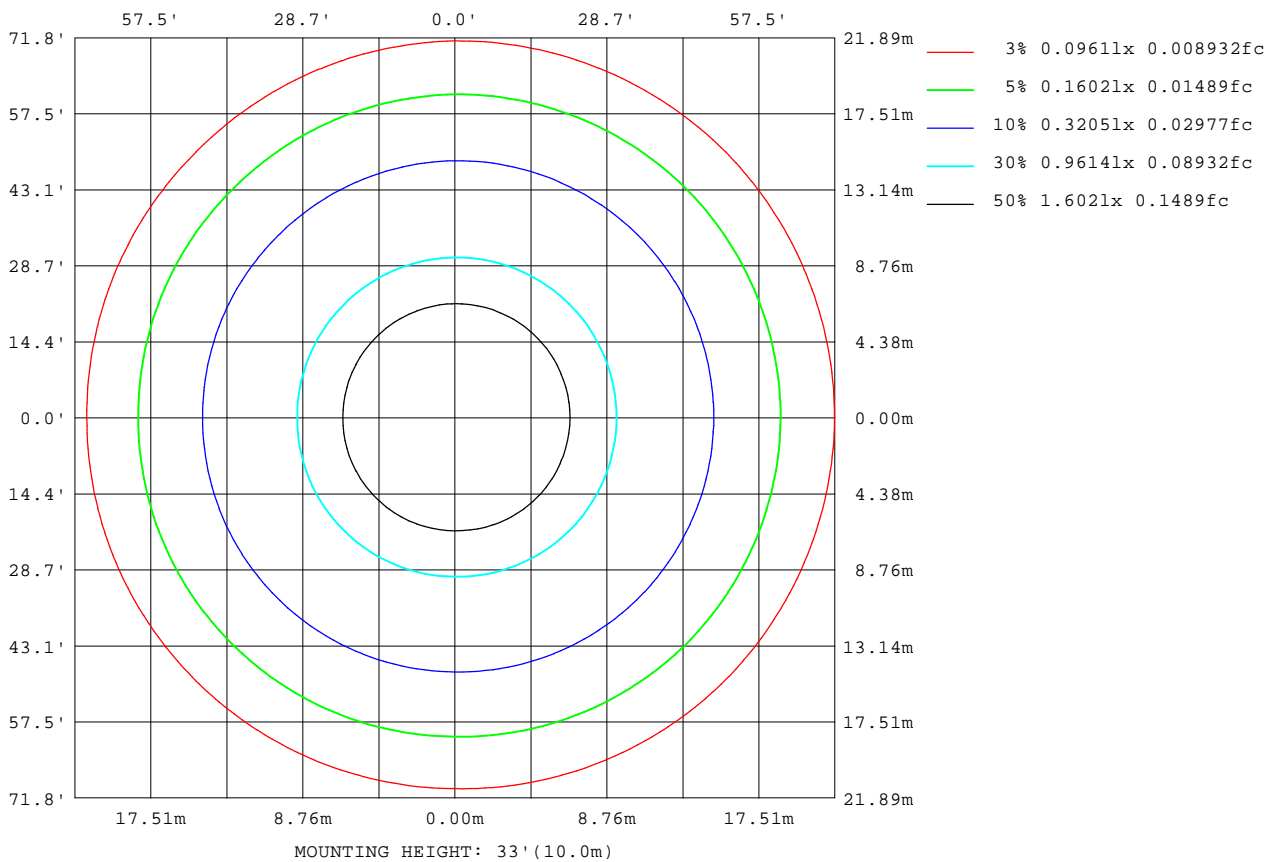
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

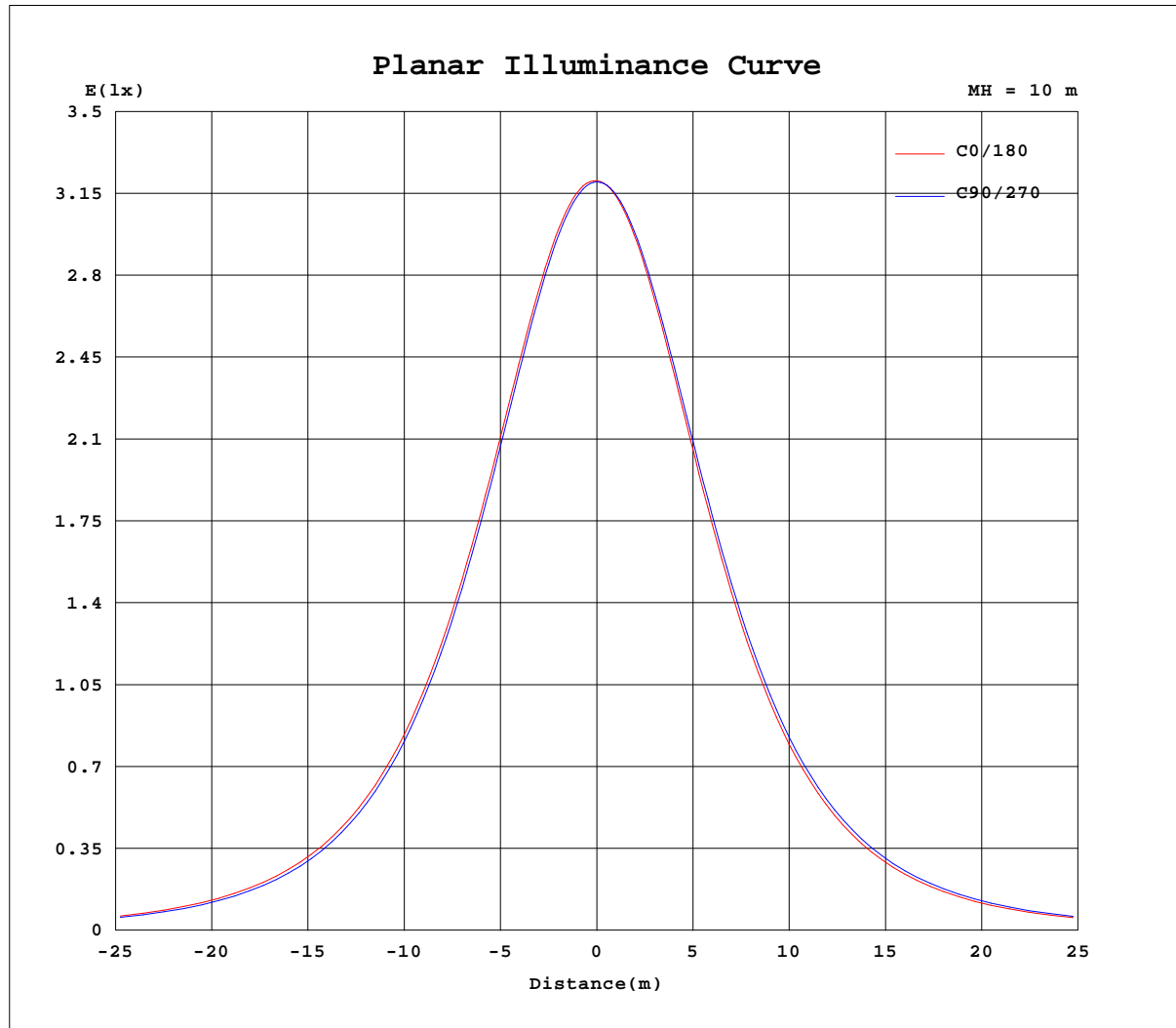
Test:U:24.00V I:0.3660A P:8.700W PF:1.000 Freq:0Hz Lamp Flux:1002.35x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8WNSA012WC0100	DIM.: 1000*8*1.5mm	SERIAL No.:
MFR.: COLORS	SUR.:1000*8mm	Shielding Angle:



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:1002.35x1 lm		
NAME: DJ1202408NO	TYPE:	WEIGHT:
SPEC.:DJ1202408NO-8WNSA012WC0100	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	320	320	320	320	320	320	320	320										
5	321	320	319	319	319	319	320	320										
10	318	318	316	316	315	316	317	318										
15	314	313	311	310	310	310	312	313										
20	307	306	303	302	302	303	305	307										
25	298	297	293	292	291	292	296	298										
30	287	285	281	279	278	280	284	286										
35	273	271	266	264	263	265	270	272										
40	256	254	249	247	245	248	253	256										
45	237	234	229	227	225	228	234	237										
50	216	213	206	204	203	206	212	215										
55	191	188	182	179	178	181	188	191										
60	165	162	154	152	151	155	161	165										
65	136	133	125	123	122	126	133	136										
70	106	102	95.1	92.9	92.0	95.7	103	106										
75	74.9	71.3	64.5	62.6	61.9	65.5	72.2	74.9										
80	45.4	42.4	35.8	34.9	34.4	37.7	43.4	45.6										
85	20.8	19.1	13.3	13.8	13.2	16.0	19.7	21.1										
90	5.69	5.04	1.35	2.85	2.50	3.89	2.83	5.65										
95	1.54	1.38	1.20	1.26	0.83	1.22	0.41	1.11										
100	1.19	1.26	1.18	1.32	0.96	0.95	0.78	0.75										
105	1.42	1.53	1.35	1.62	1.39	1.18	1.23	1.15										
110	1.80	1.90	1.75	1.95	1.81	1.55	1.65	1.59										
115	2.26	2.34	2.19	2.37	2.19	1.85	2.02	1.97										
120	2.68	2.72	2.63	2.72	2.58	2.18	2.35	2.36										
125	3.07	3.03	2.93	3.00	2.93	2.52	2.66	2.68										
130	3.42	3.29	3.17	3.27	3.25	2.84	2.91	2.95										
135	3.72	3.51	3.41	3.51	3.53	3.17	3.13	3.15										
140	3.95	3.69	3.59	3.75	3.76	3.50	3.32	3.31										
145	4.15	3.80	3.75	3.99	3.93	3.78	3.43	3.38										
150	4.31	3.86	3.89	4.23	4.03	4.06	3.63	3.51										
155	4.48	3.98	4.16	4.48	4.20	4.36	4.00	3.63										
160	4.66	4.09	4.51	4.68	4.36	4.56	4.40	3.83										
165	4.88	4.39	4.80	4.85	4.52	4.74	4.72	4.22										
170	4.82	4.79	5.08	5.06	4.45	4.95	5.05	4.73										
175	4.59	5.25	5.36	5.32	4.35	5.24	5.36	5.24										
180	4.64	5.54	5.56	5.66	4.65	5.54	5.60	5.66										

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: