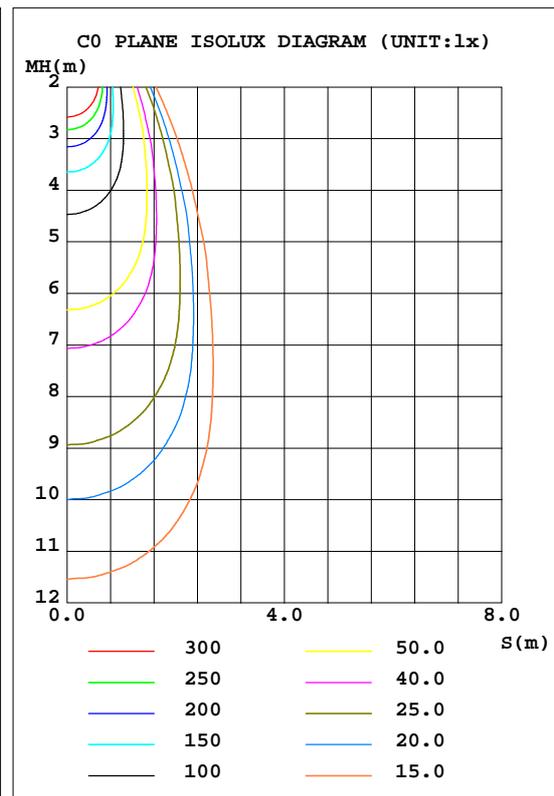
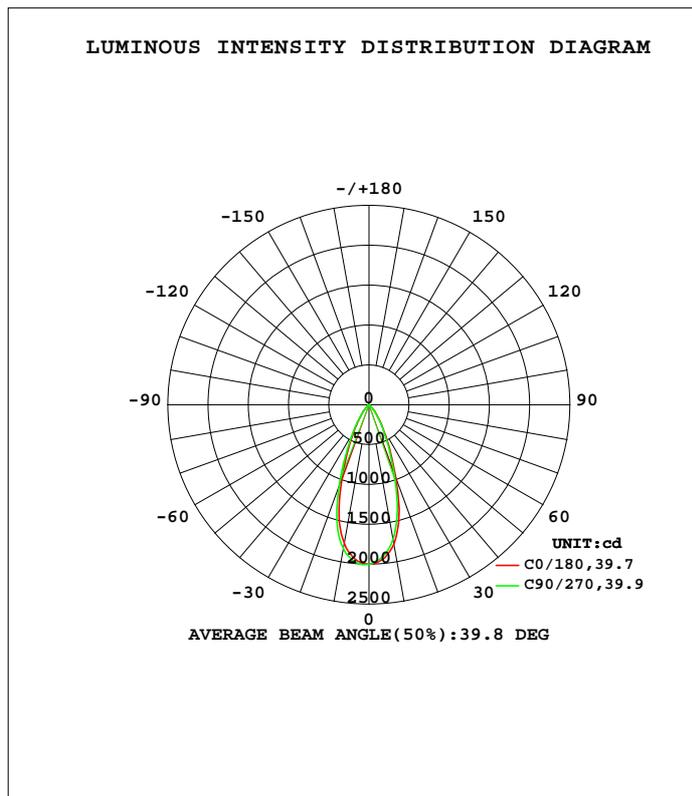


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	Shielding Angle: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 89.39 lm/W
MODEL	230V-12W 2700K	I <sub>max</sub> (cd)	2007	S/MH(C0/180)	0.64	
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	0.67	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1069.5	h UP, DN(C0-180)	0.0, 48.3	
NOMINAL FLUX(lm)	1069.48	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 51.7	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50	
TEST VOLTAGE(V)		h down(%)	100.0	CIBSE SHR MAX	0.65	



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:GHH  
 Test Date:2022-05-17

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [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	1776	1726	1715	1743	1769	1813	1834	1819	0- 10	180.4	180.4	16.9,16.9
20	987.7	922.4	917.6	940.9	987.9	1043	1090	1066	10- 20	391.8	572.2	53.5,53.5
30	366.5	339.2	344.7	359.9	363.4	380.8	403.4	405.2	20- 30	288.0	860.2	80.4,80.4
40	119.6	112.9	117.0	125.2	113.5	117.9	126.3	136.7	30- 40	138.4	998.6	93.4,93.4
50	21.22	20.24	20.67	22.74	22.86	24.74	24.51	24.32	40- 50	48.97	1048	98,98
60	8.383	8.059	8.521	9.053	8.709	9.172	9.025	9.062	50- 60	11.97	1060	99.1,99.1
70	4.055	3.857	3.984	4.258	4.465	4.557	4.557	4.358	60- 70	5.968	1066	99.6,99.6
80	1.615	1.496	1.551	1.702	1.832	1.903	1.920	1.805	70- 80	3.095	1069	99.9,99.9
90	0.0032	0.0032	0.0032	0.0032	0.0026	0.0141	0.0157	0.0036	80- 90	0.8341	1069	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1031.9 lm

%lum = 96.5%  
 %lamp = 96.5%

Conical surface Flux(120deg): 1059.6 lm

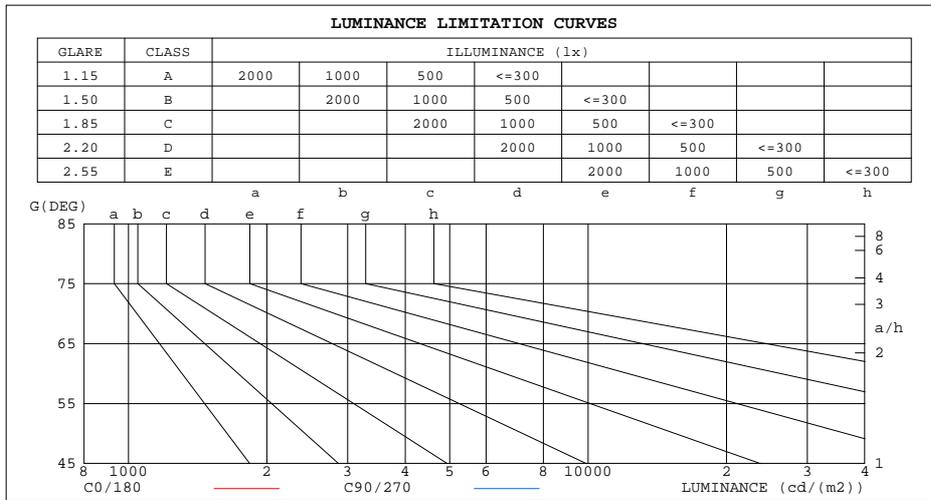
%lum = 99.1%  
 %lamp = 99.1%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:GHH  
 Test Date:2022-05-17

g Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [K=1.0000]  
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	Shielding Angle: /



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	25	22
80	30	29
75	34	34
70	38	38
65	43	43
60	54	55
55	70	70
50	107	104
45	263	266

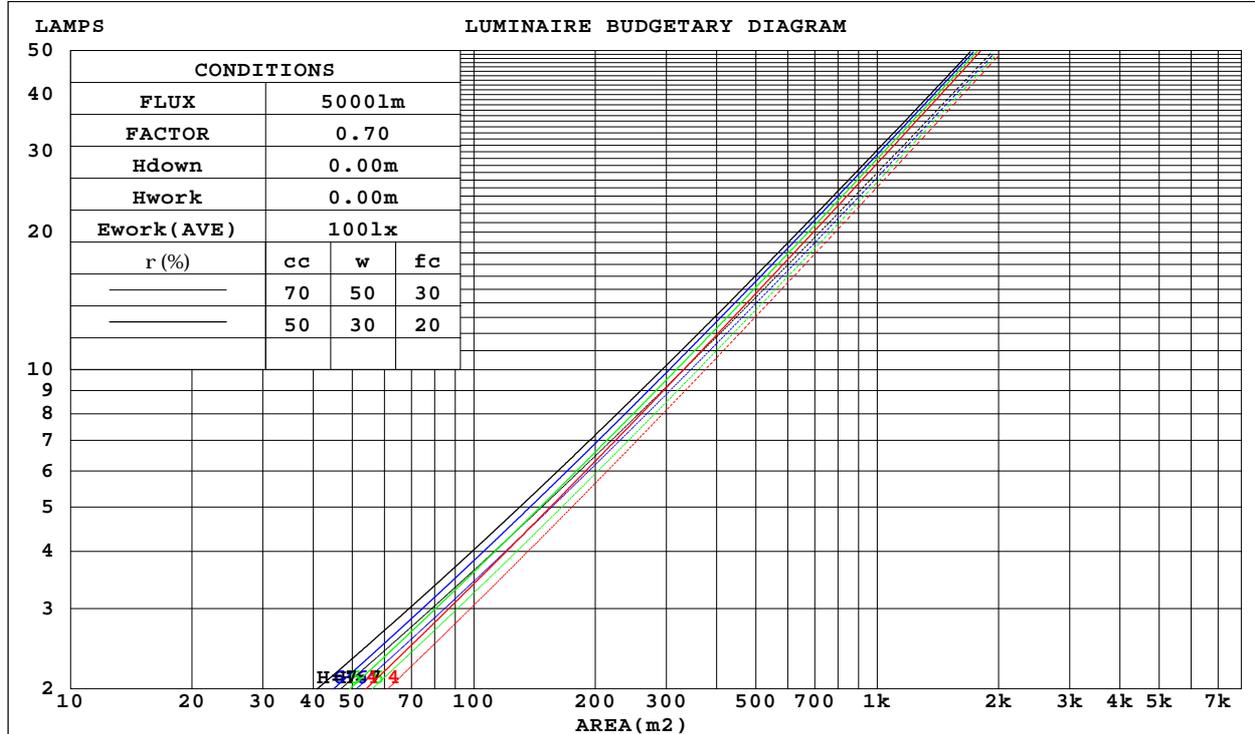
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:GHH  
 Test Date:2022-05-17

G Range: 0 - 90DEG  
 G Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	Shielding Angle: /

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.05	1.03	1.02	1.01	1.00	.99	.98	.97	.96	.94
2.0	1.04	1.01	.97	1.03	.99	.96	.99	.97	.94	.97	.94	.92	.94	.92	.90	.89
3.0	.98	.94	.90	.97	.93	.89	.94	.91	.88	.92	.89	.86	.90	.87	.85	.84
4.0	.93	.88	.84	.91	.87	.83	.89	.85	.82	.87	.84	.81	.86	.83	.80	.79
5.0	.88	.82	.78	.87	.82	.78	.85	.81	.77	.83	.80	.77	.82	.79	.76	.75
6.0	.83	.78	.74	.82	.77	.73	.81	.76	.73	.79	.75	.72	.78	.75	.72	.71
7.0	.79	.73	.70	.78	.73	.69	.77	.72	.69	.76	.72	.69	.75	.71	.68	.67
8.0	.75	.70	.66	.75	.69	.66	.73	.69	.66	.73	.68	.65	.72	.68	.65	.64
9.0	.72	.66	.63	.71	.66	.63	.70	.66	.62	.69	.65	.62	.69	.65	.62	.61
10.0	.68	.63	.60	.68	.63	.60	.67	.63	.60	.67	.62	.59	.66	.62	.59	.58



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:GHH  
 Test Date:2022-05-17

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	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	.167	.095	.030	.160	.091	.029	.148	.085	.027	.136	.079	.025	.126	.073	.023	
2.0	.158	.087	.027	.153	.084	.026	.142	.079	.025	.132	.074	.023	.124	.070	.022	
3.0	.150	.080	.024	.145	.078	.023	.136	.074	.022	.128	.070	.021	.120	.067	.021	
4.0	.142	.074	.022	.138	.072	.021	.130	.069	.021	.123	.066	.020	.117	.063	.019	
5.0	.135	.069	.020	.131	.067	.020	.125	.065	.019	.118	.063	.019	.113	.060	.018	
6.0	.128	.064	.018	.125	.063	.018	.119	.061	.018	.114	.059	.017	.109	.057	.017	
7.0	.122	.060	.017	.120	.060	.017	.115	.058	.017	.110	.056	.016	.105	.055	.016	
8.0	.117	.057	.016	.115	.056	.016	.110	.055	.016	.106	.054	.015	.102	.052	.015	
9.0	.112	.054	.015	.110	.054	.015	.106	.052	.015	.102	.051	.015	.098	.050	.014	
10.0	.107	.052	.014	.106	.051	.014	.102	.050	.014	.098	.049	.014	.095	.048	.014	

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	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.170	.157	.146	.146	.135	.125	.100	.093	.087	.057	.054	.050	.018	.017	.016	
2.0	.154	.133	.114	.132	.114	.099	.091	.079	.069	.052	.046	.040	.017	.015	.013	
3.0	.141	.113	.091	.121	.098	.079	.083	.068	.056	.048	.040	.033	.015	.013	.011	
4.0	.130	.099	.074	.112	.085	.065	.077	.059	.045	.045	.035	.027	.014	.011	.009	
5.0	.121	.087	.061	.104	.075	.053	.072	.052	.038	.042	.031	.022	.013	.010	.007	
6.0	.113	.077	.051	.097	.067	.045	.067	.047	.032	.039	.028	.019	.013	.009	.006	
7.0	.107	.070	.044	.092	.060	.038	.063	.042	.027	.037	.025	.016	.012	.008	.005	
8.0	.101	.063	.037	.087	.055	.033	.060	.038	.023	.035	.023	.014	.011	.007	.005	
9.0	.095	.058	.033	.082	.050	.028	.057	.035	.020	.033	.021	.012	.011	.007	.004	
10.0	.091	.053	.029	.078	.046	.025	.054	.033	.018	.032	.019	.011	.010	.006	.003	

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:GHH  
 Test Date:2022-05-17

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm										
SGSO SKU: 0017440111					TYPE: /			WEIGHT: /		
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°					DIM.: /			SERIAL No.:N22LEDGW38002-01		
MFR.: /					SUR.: /			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	1.8	2.7	2.0	2.8	3.0	1.6	2.5	1.8	2.6	2.8
3H	1.8	2.5	2.0	2.7	2.9	1.5	2.3	1.8	2.5	2.7
4H	1.7	2.5	2.0	2.7	2.9	1.5	2.2	1.8	2.5	2.7
6H	1.7	2.4	2.0	2.6	2.9	1.5	2.2	1.7	2.4	2.6
8H	1.6	2.3	1.9	2.6	2.8	1.4	2.1	1.7	2.4	2.6
12H	1.6	2.3	1.9	2.5	2.8	1.4	2.0	1.7	2.3	2.6
4H 2H	1.6	2.4	1.9	2.6	2.8	1.4	2.2	1.7	2.4	2.6
3H	1.6	2.2	1.9	2.5	2.8	1.4	2.0	1.7	2.3	2.6
4H	1.6	2.2	1.9	2.5	2.8	1.4	1.9	1.7	2.2	2.6
6H	1.5	2.1	1.9	2.4	2.7	1.3	1.9	1.7	2.2	2.5
8H	1.5	2.0	1.9	2.4	2.7	1.3	1.8	1.7	2.1	2.5
12H	1.5	1.9	1.9	2.3	2.7	1.3	1.7	1.7	2.1	2.5
8H 4H	1.5	1.9	1.9	2.3	2.7	1.3	1.7	1.6	2.1	2.5
6H	1.4	1.8	1.9	2.2	2.7	1.2	1.6	1.7	2.0	2.4
8H	1.4	1.8	1.9	2.2	2.6	1.2	1.6	1.7	2.0	2.4
12H	1.4	1.7	1.9	2.2	2.6	1.2	1.5	1.7	1.9	2.4
12H 4H	1.4	1.9	1.8	2.2	2.6	1.2	1.6	1.6	2.0	2.4
6H	1.4	1.8	1.9	2.2	2.6	1.2	1.6	1.6	2.0	2.4
8H	1.4	1.7	1.9	2.1	2.6	1.2	1.5	1.7	1.9	2.4
Variations with the observer position at spacings:										
S = 1.0H	+ 2.5 / - 5.8					+ 2.5 / - 5.7				
1.5H	+ 4.5 / - 5.3					+ 4.5 / - 5.2				
2.0H	+ 5.2 / - 2.8					+ 5.4 / - 2.7				

CIE Pub.117, 1069 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 0.2)

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:GHH  
 Test Date:2022-05-17

g Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	Shielding Angle: /

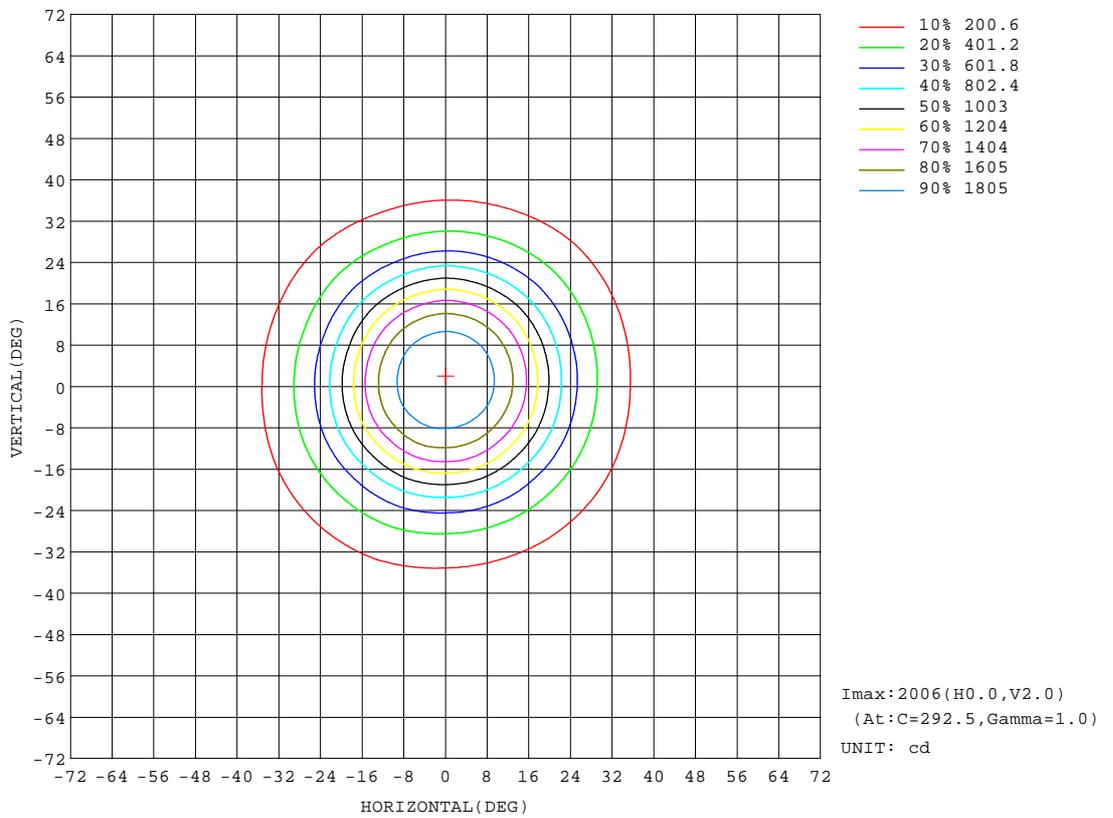
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	87	81	77	87	81	77	86	81	77	74
0.80	95	89	85	94	89	85	93	88	85	81
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	98	94	100	96	93	89
1.50	106	101	98	105	101	97	103	99	96	92
2.00	109	104	101	107	103	101	104	101	99	94
2.50	110	106	104	109	105	103	106	103	101	95
3.00	112	108	106	110	107	105	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:GHH  
 Test Date:2022-05-17

g Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	Shielding Angle: /



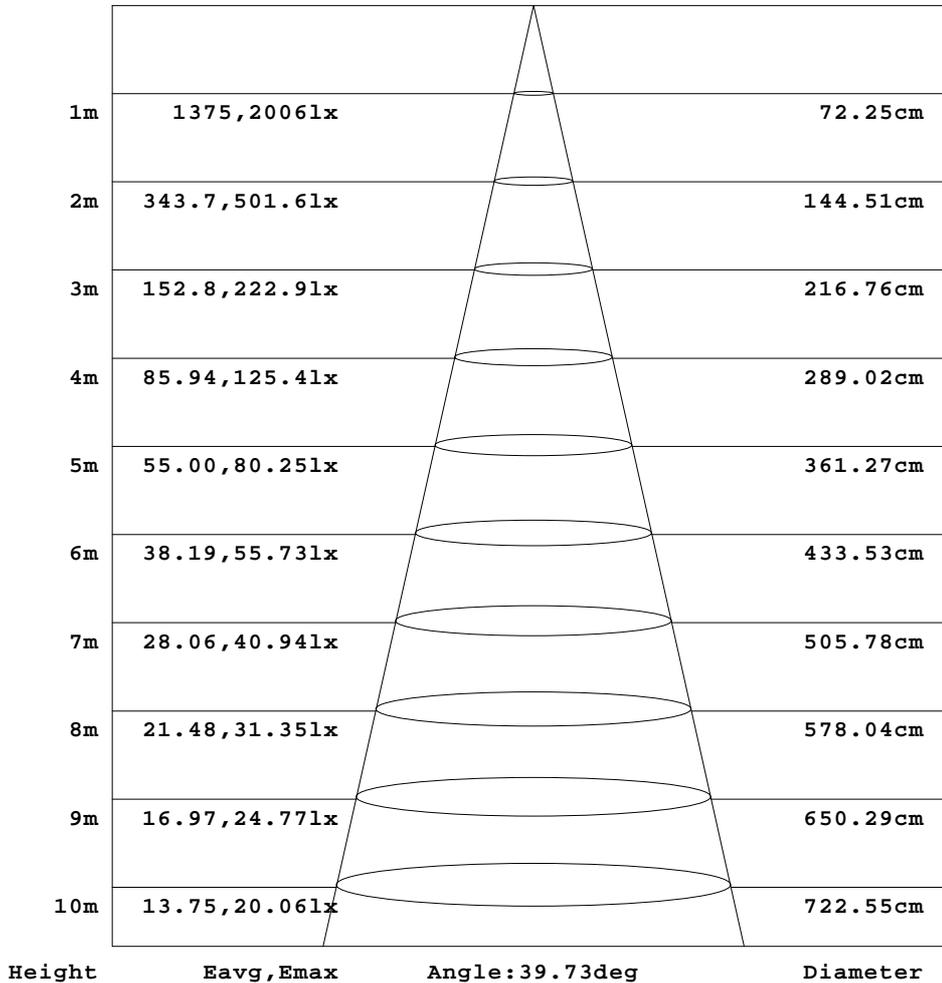
C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
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 Operators:GHH  
 Test Date:2022-05-17

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	Shielding Angle: /

Flux out:572.2 lm



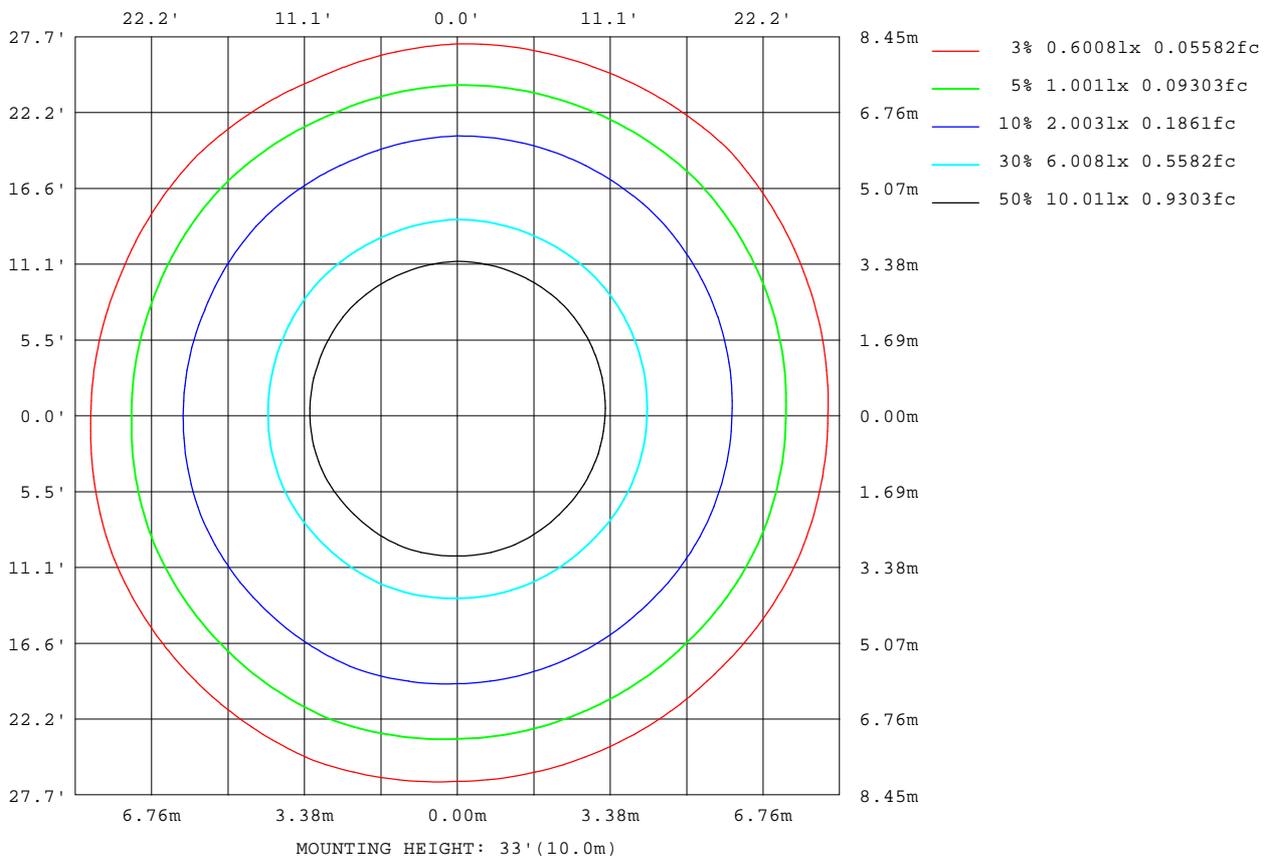
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:GHH  
 Test Date:2022-05-17

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [K=1.0000]  
 Remarks:

ISOLUX DIAGRAM

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	Shielding Angle: /



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: GHH  
 Test Date: 2022-05-17

Page Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity: 46%  
 Test Distance: 2.082m [K=1.0000]  
 Remarks:

LED Avg.L Report

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	Shielding Angle: /

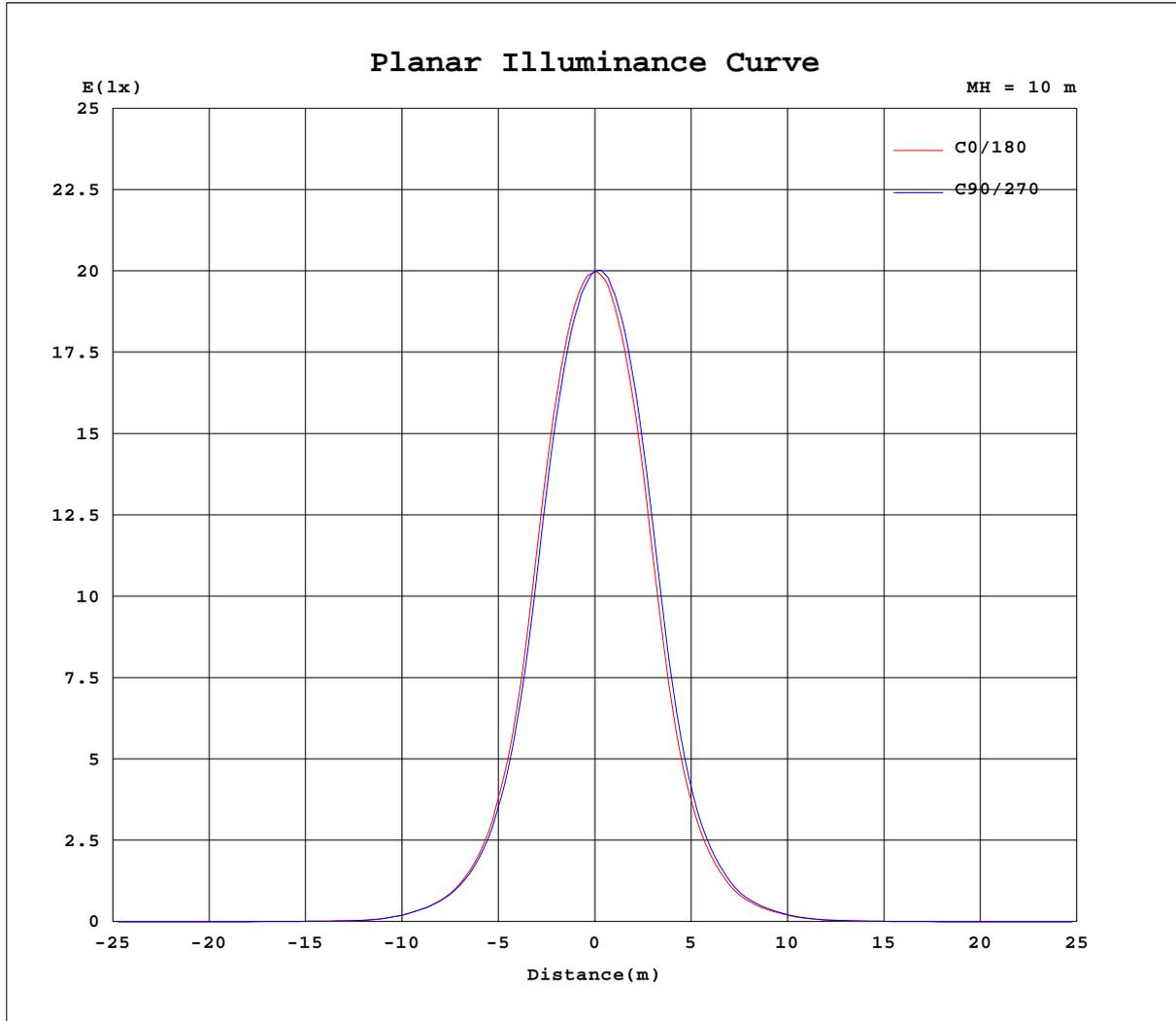
AvgL	cd/m2
L_0~180(65)av	45
L_0~180(75)av	36
L_0~180(85)av	27
L_90~270(65)av	45
L_90~270(75)av	37
L_90~270(85)av	27
L_45(65)av	45
L_45(75)av	36
L_45(85)av	27

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.2DEG  
 Operators:GHH  
 Test Date:2022-05-17

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity:46%  
 Test Distance:2.082m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.2DEG  
 Operators: GHH  
 Test Date: 2022-05-17

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-R5000\_V2 SYSTEM V2.0.404.6  
 Humidity: 46%  
 Test Distance: 2.082m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.9V I:0.0535A P:11.96W PF:0.9720 Freq:50.01Hz Lamp Flux:1069.48x1 lm		
SGSO SKU: 0017440111	TYPE: /	WEIGHT: /
SPEC.:LED Downlight,12W 1200lm,100lm/W,CRI>80, CCT2700/3000/4000K,Beam Angle 38°	DIM.: /	SERIAL No.:N22LEDGW38002-01
MFR.: /	SUR.: /	Shielding Angle: /

Table--1

UNIT: cd

C(DEG) g (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1999	1996	1996	1995	1999	1997	2000	1996	1999	1996	1996	1995	1999	1997	2000	1996			
5	1947	1941	1929	1923	1913	1925	1927	1933	1945	1960	1971	1977	1974	1971	1965	1955			
10	1776	1753	1726	1719	1715	1730	1743	1762	1769	1786	1813	1825	1834	1830	1819	1795			
15	1448	1414	1383	1376	1368	1384	1395	1423	1440	1463	1503	1519	1538	1536	1523	1486			
20	988	957	922	921	918	937	941	970	988	1003	1043	1063	1090	1080	1066	1027			
25	618	595	572	572	572	592	591	607	609	616	644	654	680	677	671	643			
30	367	354	339	340	345	362	360	368	363	365	381	384	403	406	405	387			
35	212	207	199	198	204	217	215	215	206	207	218	216	230	233	236	225			
40	120	119	113	113	117	128	125	123	114	111	118	115	126	130	137	127			
45	57.3	57.8	55.6	55.5	57.9	66.1	65.3	63.1	58.4	57.7	60.7	59.0	63.4	66.4	68.7	61.6			
50	21.2	21.1	20.2	20.2	20.7	22.7	22.7	23.2	22.9	23.3	24.7	23.8	24.5	24.3	24.3	22.1			
55	12.4	12.2	11.9	12.1	12.4	13.1	13.0	13.0	12.9	13.0	13.6	13.4	13.4	13.3	13.2	12.7			
60	8.38	8.08	8.06	8.15	8.52	9.20	9.05	8.81	8.71	8.78	9.17	9.02	9.02	9.12	9.06	8.68			
65	5.60	5.53	5.49	5.61	5.59	5.86	5.88	6.03	6.02	6.01	6.02	6.03	6.01	5.93	5.82	5.68			
70	4.06	3.94	3.86	3.91	3.98	4.14	4.26	4.41	4.46	4.49	4.56	4.55	4.56	4.46	4.36	4.18			
75	2.74	2.66	2.59	2.62	2.68	2.80	2.89	3.01	3.06	3.08	3.14	3.14	3.15	3.08	3.00	2.85			
80	1.62	1.55	1.50	1.52	1.55	1.64	1.70	1.79	1.83	1.86	1.90	1.91	1.92	1.87	1.81	1.69			
85	0.66	0.62	0.58	0.58	0.60	0.65	0.69	0.76	0.80	0.82	0.86	0.87	0.87	0.84	0.79	0.72			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.01	0.00	0.00			

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
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g Range: 0 - 90DEG  
 Interval: 1.0DEG  
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