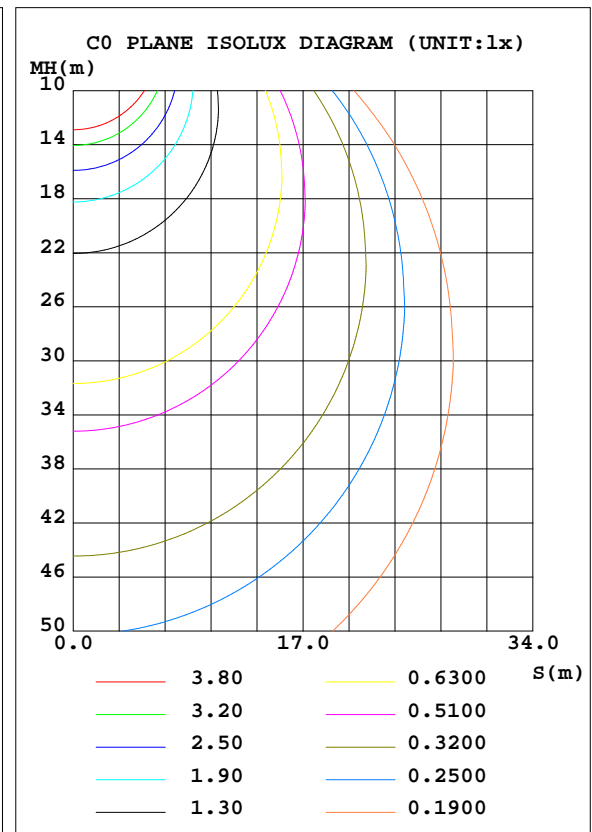
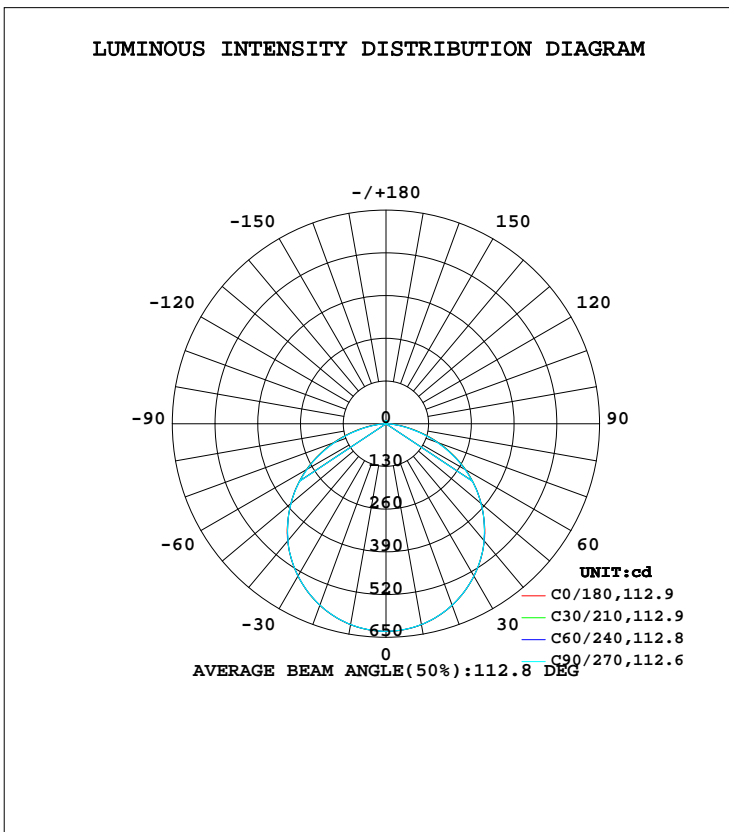


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.52 lm/W			
MODEL		I _{max} (cd)	632.0	S/MH(C0/180)	1.26
NOMINAL POWER(W)	18	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1822.6	η UP, DN(C0-180)	0.8,49.2
NOMINAL FLUX(lm)	1822.62	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.8,49.2
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	η down(%)	98.4	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	620.9	620.5	620.4	620.5	620.9	620.5	620.4	620.5	0- 10	59.77	59.77	3.28,3.28
20	588.1	587.7	587.6	587.7	588.1	587.7	587.6	587.7	10- 20	171.3	231.0	12.7,12.7
30	535.6	535.3	535.2	535.3	535.6	535.3	535.2	535.3	20- 30	259.9	490.9	26.9,26.9
40	465.5	464.5	464.1	464.5	465.5	464.5	464.1	464.5	30- 40	314.2	805.1	44.2,44.2
50	378.1	377.9	377.5	377.9	378.1	377.9	377.5	377.9	40- 50	326.0	1131	62.1,62.1
60	279.4	278.7	277.1	278.7	279.4	278.7	277.1	278.7	50- 60	294.5	1426	78.2,78.2
70	170.2	168.0	164.8	168.0	170.2	168.0	164.8	168.0	60- 70	221.2	1647	90.4,90.4
80	64.69	60.68	56.40	60.68	64.69	60.68	56.40	60.68	70- 80	119.0	1766	96.9,96.9
90	5.657	3.554	1.620	3.554	5.657	3.554	1.620	3.554	80- 90	27.09	1793	98.4,98.4
100	2.233	2.219	2.202	2.219	2.233	2.219	2.202	2.219	90-100	2.183	1795	98.5,98.5
110	3.219	3.219	3.235	3.219	3.219	3.219	3.235	3.219	100-110	2.865	1798	98.6,98.6
120	4.304	4.322	4.373	4.322	4.304	4.322	4.373	4.322	110-120	3.732	1802	98.8,98.8
130	5.463	5.523	5.547	5.523	5.463	5.523	5.547	5.523	120-130	4.403	1806	99.1,99.1
140	6.530	6.654	6.811	6.654	6.530	6.654	6.811	6.654	130-140	4.709	1811	99.3,99.3
150	7.736	7.753	7.825	7.753	7.736	7.753	7.825	7.753	140-150	4.527	1815	99.6,99.6
160	8.746	8.818	8.934	8.818	8.746	8.818	8.934	8.818	150-160	3.827	1819	99.8,99.8
170	9.593	9.648	9.737	9.648	9.593	9.648	9.737	9.648	160-170	2.611	1822	99.9,99.9
180	10.24	9.990	10.11	9.990	10.24	9.990	10.11	9.990	170-180	0.9381	1823	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 969.34 lm

%lum = 53.2%
 %lamp = 53.2%

Conical surface Flux(120deg): 1425.6 lm

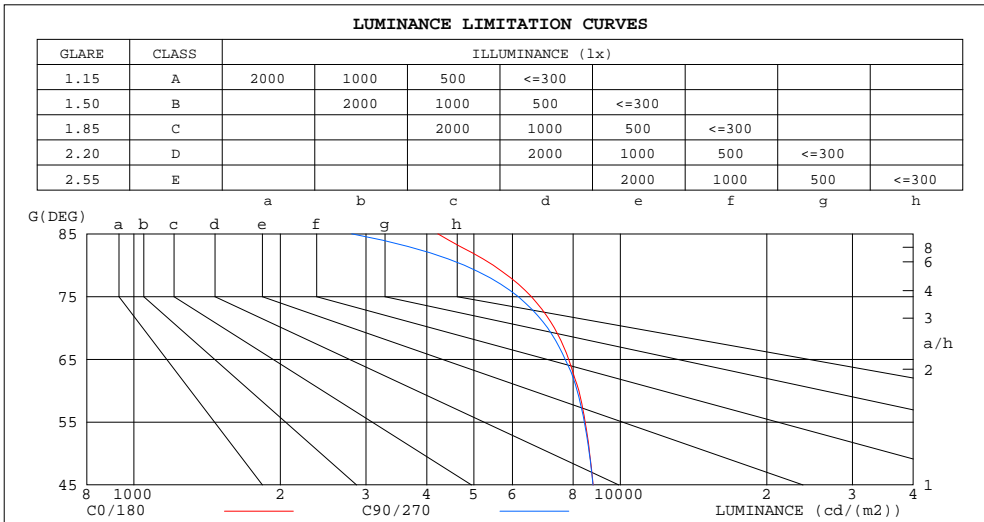
%lum = 78.2%
 %lamp = 78.2%

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	4216	2805
80	5478	4776
75	6563	6167
70	7318	7087
65	7830	7699
60	8217	8151
55	8466	8435
50	8650	8635
45	8789	8784

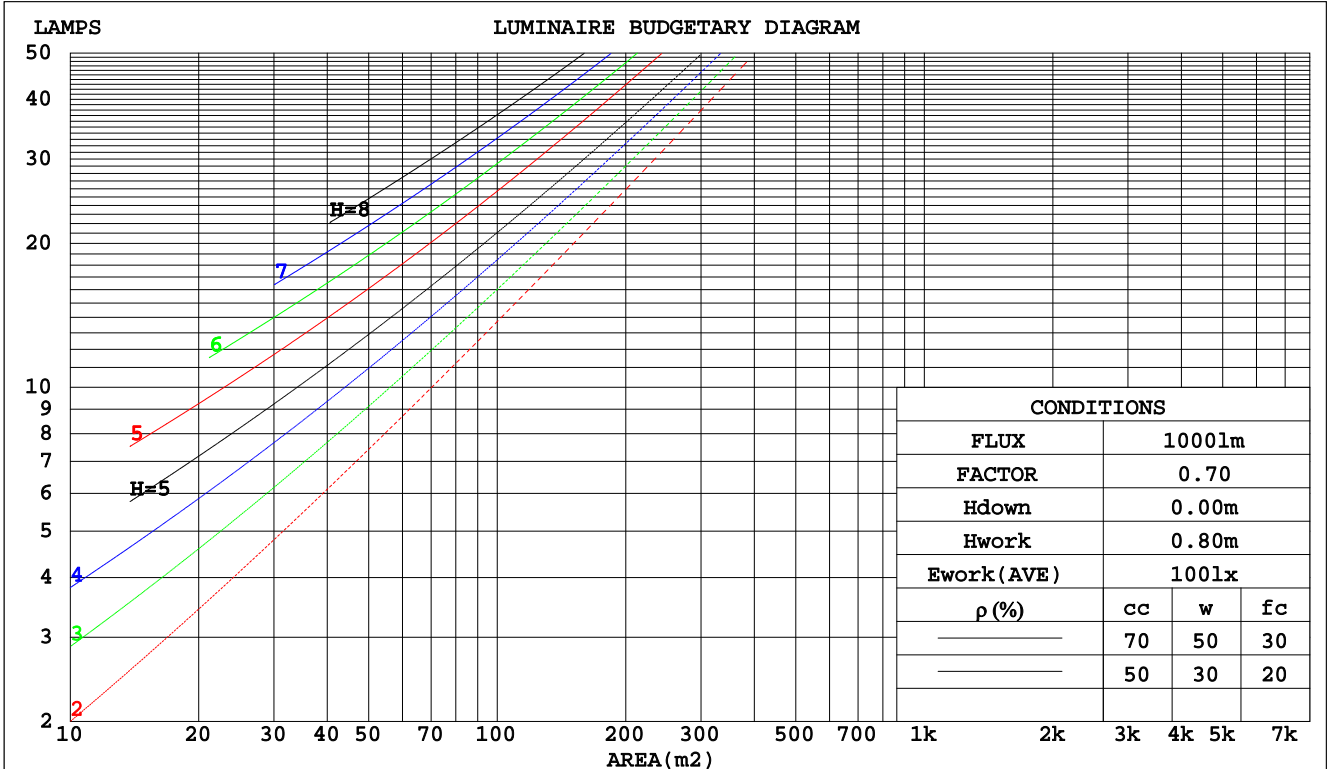
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	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	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	.98
1.0	1.04	.90	.96	1.01	.98	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.84	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.74	.71	.69
3.0	.79	.71	.65	.78	.70	.64	.74	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.62	.55	.69	.61	.54	.66	.59	.53	.64	.57	.53	.61	.56	.52	.49
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.48	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.40	.35	.45	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.32	.42	.36	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 10.890m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.304	.173	.055	.296	.169	.054	.282	.162	.052	.269	.155	.050	.257	.149	.048	
2.0	.288	.158	.048	.281	.155	.048	.268	.149	.046	.257	.144	.045	.246	.139	.044	
3.0	.267	.142	.043	.261	.140	.042	.250	.136	.041	.240	.131	.040	.230	.128	.039	
4.0	.247	.128	.038	.242	.127	.037	.232	.123	.037	.223	.120	.036	.214	.116	.035	
5.0	.229	.117	.034	.224	.115	.034	.215	.112	.033	.207	.109	.032	.199	.107	.032	
6.0	.212	.106	.030	.208	.105	.030	.200	.103	.030	.193	.100	.029	.186	.098	.029	
7.0	.198	.098	.028	.194	.097	.028	.187	.095	.027	.180	.092	.027	.174	.090	.027	
8.0	.185	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.163	.084	.024	
9.0	.173	.084	.023	.170	.083	.023	.165	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.150	.075	.021	.145	.073	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	.192	.169	.147	.165	.145	.127	.113	.100	.088	.065	.058	.051	.021	.019	.017	
2.0	.184	.145	.111	.158	.124	.096	.108	.086	.067	.062	.050	.039	.020	.016	.013	
3.0	.177	.127	.087	.151	.110	.076	.104	.076	.053	.060	.044	.031	.019	.014	.010	
4.0	.169	.114	.071	.145	.098	.062	.100	.068	.044	.058	.040	.026	.019	.013	.008	
5.0	.162	.103	.060	.139	.089	.052	.096	.062	.037	.055	.037	.022	.018	.012	.007	
6.0	.155	.095	.052	.133	.082	.045	.092	.058	.032	.053	.034	.019	.017	.011	.006	
7.0	.148	.088	.046	.127	.076	.040	.088	.054	.029	.051	.032	.017	.017	.010	.006	
8.0	.141	.082	.042	.122	.071	.036	.084	.050	.026	.049	.030	.015	.016	.010	.005	
9.0	.135	.077	.038	.117	.067	.033	.081	.047	.024	.047	.028	.014	.015	.009	.005	
10.0	.130	.073	.035	.112	.064	.031	.078	.045	.022	.045	.026	.013	.015	.009	.004	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm										
NAME: O18W-MS 6000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.:295			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	20.3	21.7	20.5	22.0	22.2	20.2	21.7	20.5	21.9	22.2
3H	21.7	23.1	22.0	23.4	23.6	21.6	23.0	22.0	23.3	23.6
4H	22.3	23.6	22.6	23.9	24.1	22.1	23.5	22.5	23.7	24.0
6H	22.6	23.8	23.0	24.1	24.5	22.4	23.7	22.8	24.0	24.3
8H	22.7	23.9	23.1	24.2	24.5	22.5	23.7	22.8	24.0	24.3
12H	22.7	23.9	23.1	24.2	24.5	22.5	23.6	22.9	23.9	24.3
4H 2H	20.8	22.1	21.2	22.4	22.7	20.8	22.1	21.2	22.4	22.7
3H	22.5	23.6	22.9	23.9	24.3	22.4	23.5	22.8	23.9	24.2
4H	23.1	24.2	23.5	24.5	24.9	23.0	24.1	23.4	24.4	24.8
6H	23.6	24.5	24.0	24.9	25.3	23.4	24.3	23.8	24.7	25.1
8H	23.7	24.6	24.2	25.0	25.4	23.5	24.4	23.9	24.7	25.2
12H	23.8	24.6	24.2	25.0	25.4	23.5	24.3	24.0	24.7	25.2
8H 4H	23.4	24.2	23.8	24.6	25.0	23.2	24.1	23.7	24.5	24.9
6H	23.9	24.6	24.4	25.1	25.5	23.7	24.5	24.2	24.9	25.3
8H	24.1	24.8	24.6	25.2	25.7	23.9	24.5	24.4	25.0	25.5
12H	24.2	24.8	24.7	25.3	25.8	23.9	24.5	24.4	25.0	25.5
12H 4H	23.3	24.1	23.8	24.5	25.0	23.2	24.0	23.7	24.4	24.9
6H	24.0	24.6	24.4	25.0	25.5	23.8	24.4	24.3	24.9	25.3
8H	24.2	24.7	24.7	25.2	25.7	23.9	24.5	24.4	25.0	25.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1823 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 2.1)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

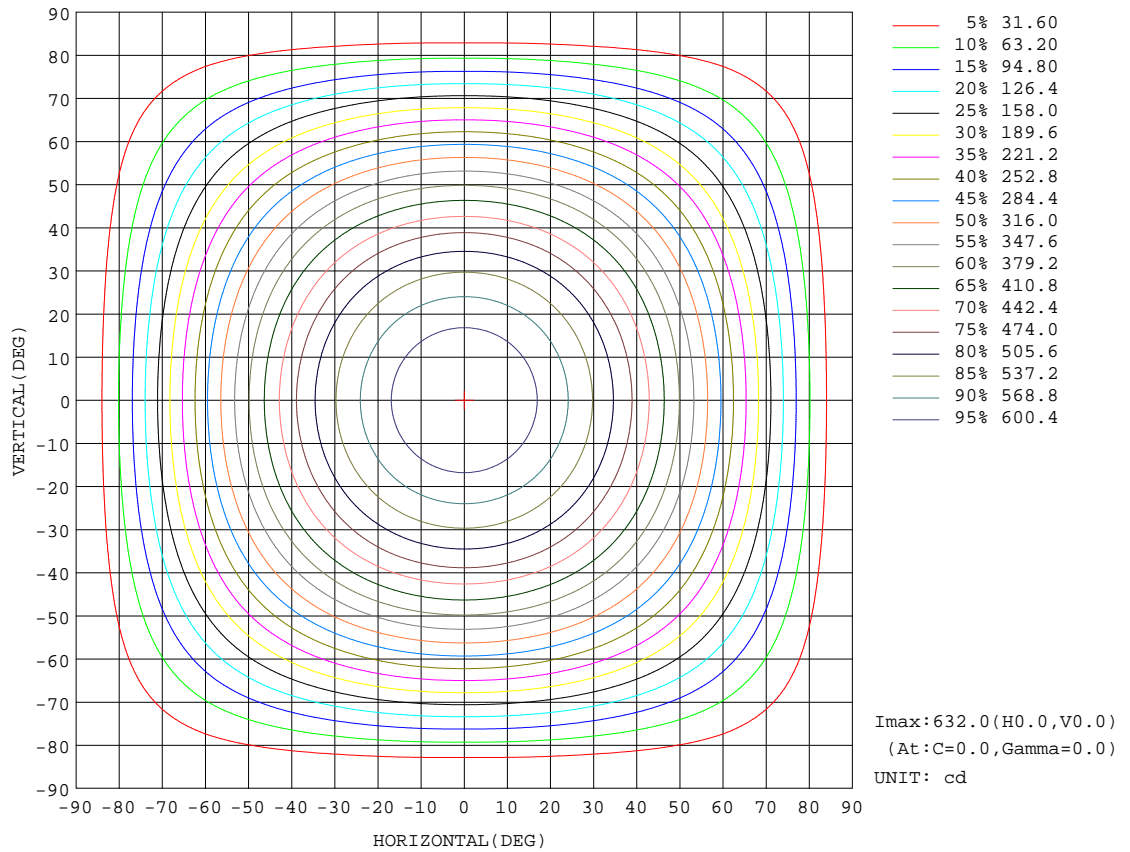
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	56	45	39	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	72	65	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	96	89	84	92	87	82	73
3.00	102	95	90	100	94	89	95	90	86	77
4.00	106	100	96	103	98	94	99	95	91	82
5.00	108	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:



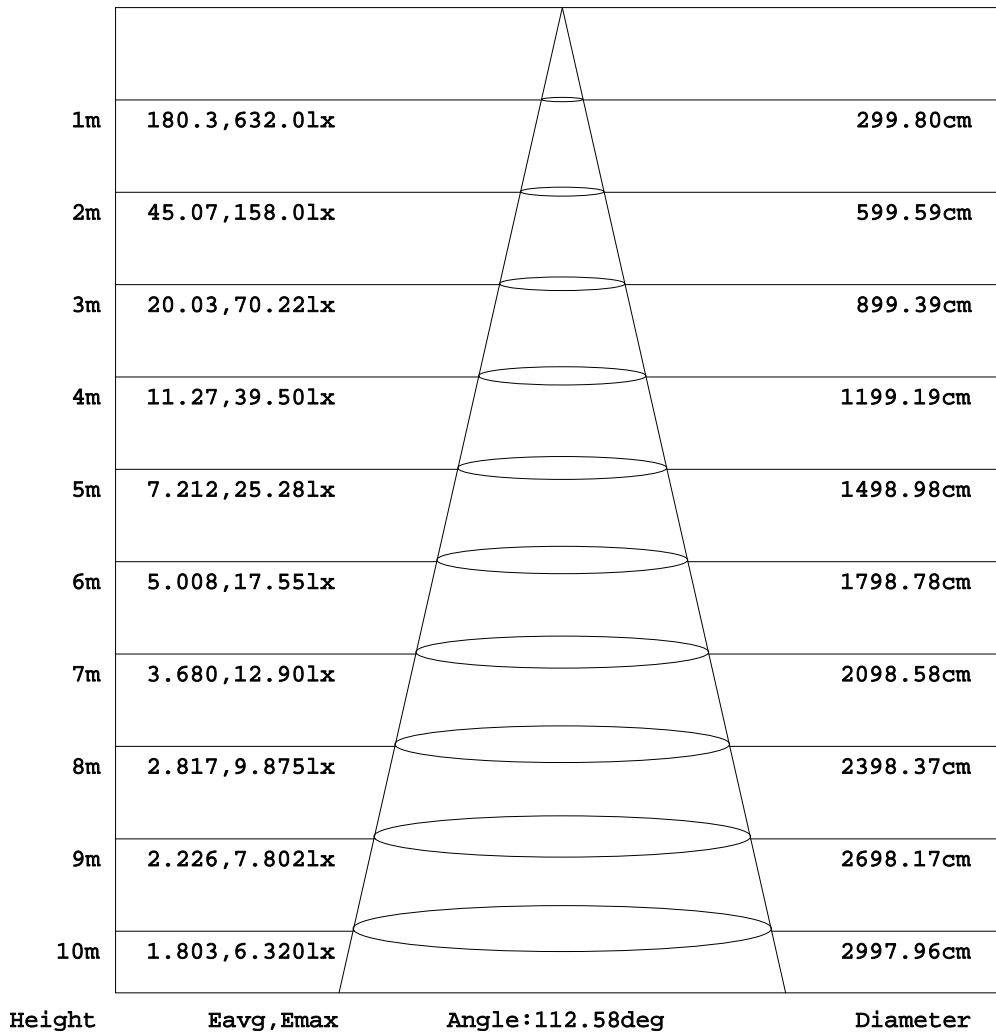
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

Flux out:1343 lm



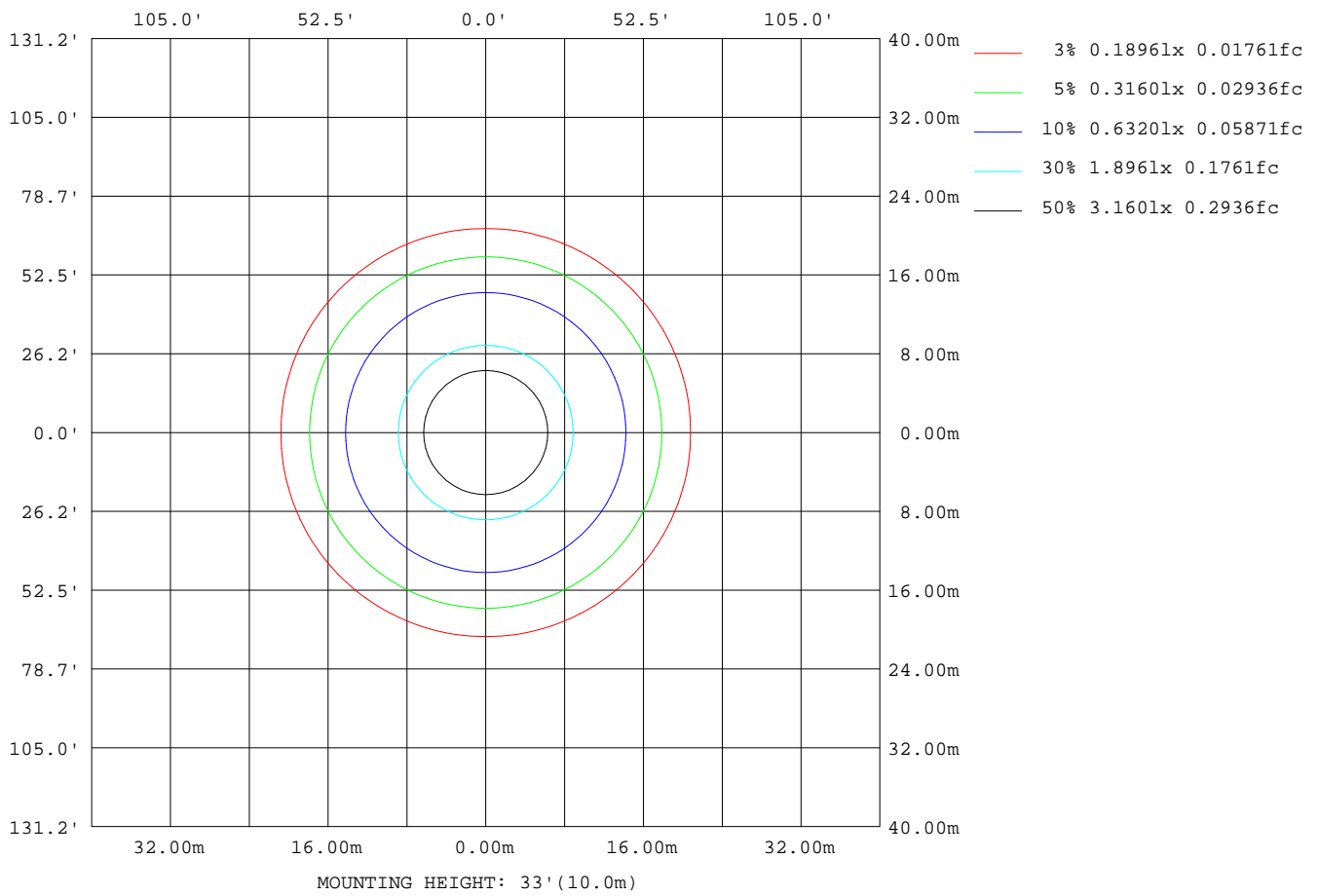
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

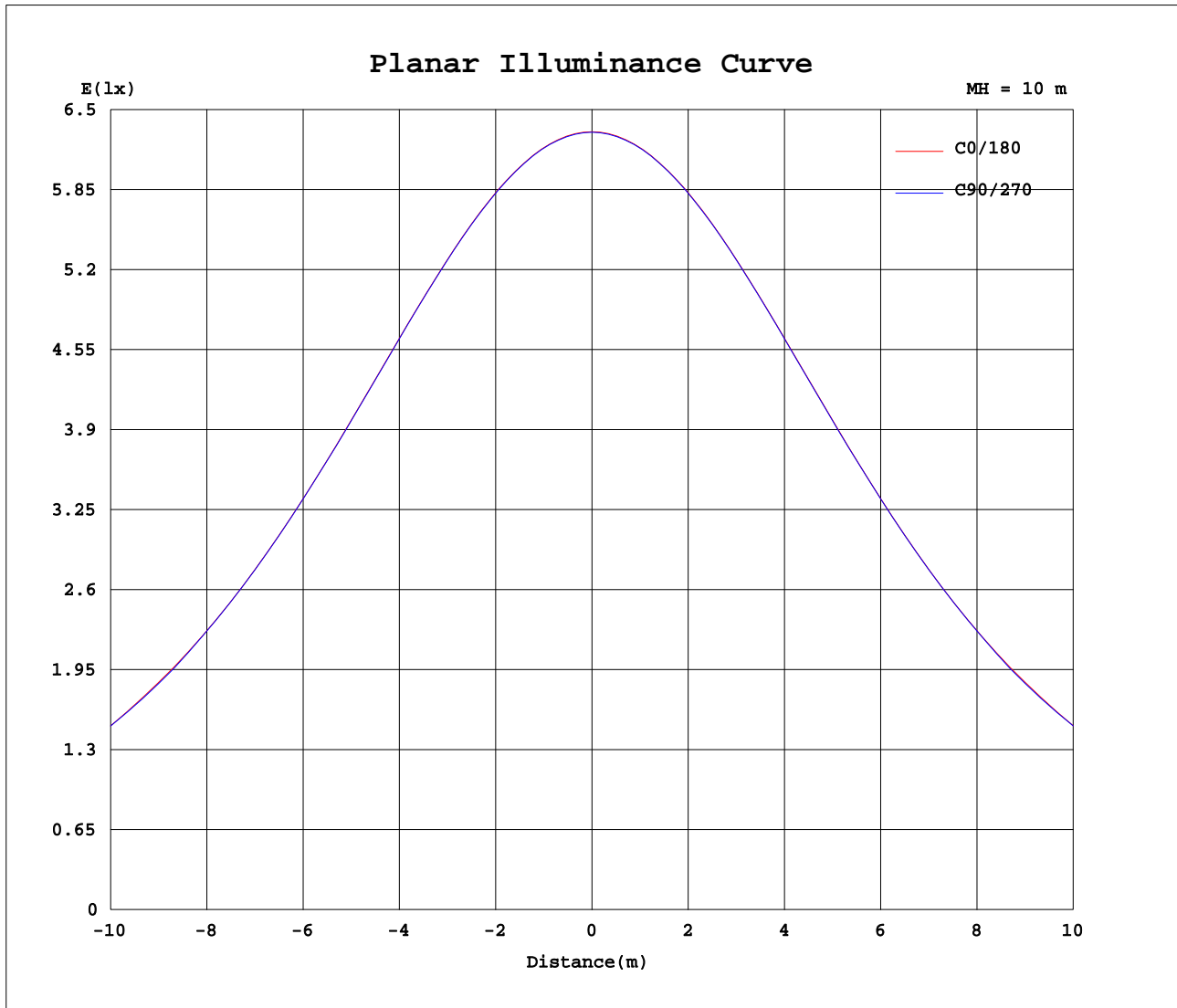
AvgL	cd/m2
L_0~180(65)av	7830
L_0~180(75)av	6563
L_0~180(85)av	4216
L_90~270(65)av	7699
L_90~270(75)av	6167
L_90~270(85)av	2805
L_45(65)av	7796
L_45(75)av	6387
L_45(85)av	3552

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity:65.0%
 Test Distance:10.890m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 16 September 2021

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.366
 Humidity: 65.0%
 Test Distance: 10.890m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.00V I:0.0870A P:18.500W PF:0.9260 Freq:50.00Hz Lamp Flux:1822.62x1 lm		
NAME: O18W-MS 6000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:295	Shielding Angle:

Table--1

UNIT: cd

C(DEG)\γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	632	632	632	632	632	632	632	632	632	632	632	632							
5	629	629	629	629	629	629	629	629	629	629	629	629							
10	621	621	620	620	620	621	621	621	620	620	620	621							
15	607	607	607	607	607	607	607	607	607	607	607	607							
20	588	588	588	588	588	588	588	588	588	588	588	588							
25	564	564	564	564	564	564	564	564	564	564	564	564							
30	536	535	535	535	535	535	536	535	535	535	535	535							
35	503	502	502	502	502	502	503	502	502	502	502	502							
40	466	464	465	464	465	464	466	464	465	464	465	464							
45	423	423	422	422	422	423	423	423	422	422	422	423							
50	378	378	378	377	378	378	378	378	378	377	378	378							
55	330	330	330	329	330	330	330	330	330	329	330	330							
60	279	279	278	277	278	279	279	279	278	277	278	279							
65	225	225	223	221	223	225	225	225	223	221	223	225							
70	170	169	166	165	166	169	170	169	166	165	166	169							
75	115	114	110	109	110	114	115	114	110	109	110	114							
80	64.7	62.8	58.5	56.4	58.5	62.8	64.7	62.8	58.5	56.4	58.5	62.8							
85	25.0	23.0	19.0	16.6	19.0	23.0	25.0	23.0	19.0	16.6	19.0	23.0							
90	5.66	4.50	2.60	1.62	2.60	4.50	5.66	4.50	2.60	1.62	2.60	4.50							
95	1.77	1.78	1.75	1.73	1.75	1.78	1.77	1.78	1.75	1.73	1.75	1.78							
100	2.23	2.23	2.20	2.20	2.20	2.23	2.23	2.23	2.20	2.20	2.20	2.23							
105	2.73	2.72	2.71	2.70	2.71	2.72	2.73	2.72	2.71	2.70	2.71	2.72							
110	3.22	3.21	3.23	3.23	3.23	3.21	3.22	3.21	3.23	3.23	3.23	3.21							
115	3.75	3.74	3.78	3.80	3.78	3.74	3.75	3.74	3.78	3.80	3.78	3.74							
120	4.30	4.31	4.33	4.37	4.33	4.31	4.30	4.31	4.33	4.37	4.33	4.31							
125	4.88	4.91	4.92	4.96	4.92	4.91	4.88	4.91	4.92	4.96	4.92	4.91							
130	5.46	5.52	5.52	5.55	5.52	5.52	5.46	5.52	5.52	5.55	5.52	5.52							
135	6.04	6.08	6.12	6.19	6.12	6.08	6.04	6.08	6.12	6.19	6.12	6.08							
140	6.53	6.65	6.66	6.81	6.66	6.65	6.53	6.65	6.66	6.81	6.66	6.65							
145	7.14	7.20	7.28	7.35	7.28	7.20	7.14	7.20	7.28	7.35	7.28	7.20							
150	7.74	7.68	7.83	7.83	7.83	7.68	7.74	7.68	7.83	7.83	7.83	7.68							
155	8.24	8.23	8.34	8.42	8.34	8.23	8.24	8.23	8.34	8.42	8.34	8.23							
160	8.75	8.79	8.84	8.93	8.84	8.79	8.75	8.79	8.84	8.93	8.84	8.79							
165	9.19	9.20	9.27	9.38	9.27	9.20	9.19	9.20	9.27	9.38	9.27	9.20							
170	9.59	9.60	9.69	9.74	9.69	9.60	9.59	9.60	9.69	9.74	9.69	9.60							
175	10.0	9.86	9.88	9.89	9.88	9.86	10.0	9.86	9.88	9.89	9.88	9.86							
180	10.2	10.0	9.98	10.1	9.98	10.0	10.2	10.0	9.98	10.1	9.98	10.0							

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