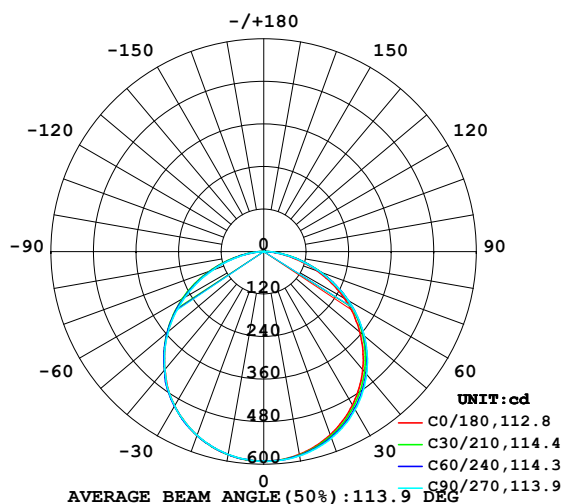


## LUMINAIRE PHOTOMETRIC TEST REPORT

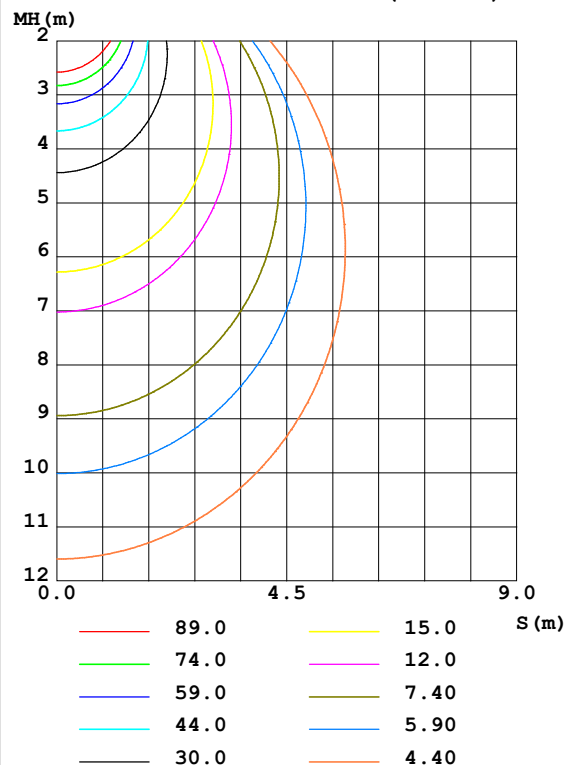
Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 61.10 lm/W			
MODEL		I <sub>max</sub> (cd)	592.5	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	1722.9	η UP, DN (C0-180)	0.1, 51.0
NOMINAL FLUX (lm)	1722.9	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 48.9
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	99.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 28DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

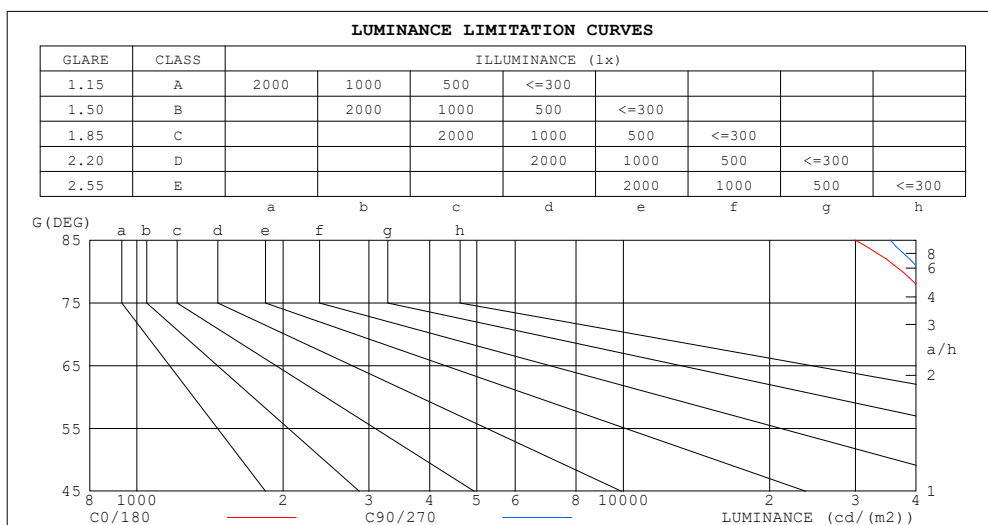
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	580.8	583.7	584.9	585.1	581.7	581.0	580.9	580.1	0- 10	56.03	56.03	3.25,3.25
20	549.9	556.4	559.8	559.4	551.5	550.8	551.2	548.9	10- 20	161.0	217.0	12.6,12.6
30	500.4	510.7	515.4	514.7	502.4	502.8	503.1	499.6	20- 30	245.3	462.3	26.8,26.8
40	434.4	446.3	451.8	451.5	433.9	437.5	434.3	433.9	30- 40	297.7	760.0	44.1,44.1
50	354.1	367.3	370.5	371.8	353.6	356.6	351.7	353.0	40- 50	310.0	1070	62.1,62.1
60	262.5	275.3	275.3	279.1	260.8	263.1	256.0	259.0	50- 60	281.1	1351	78.4,78.4
70	161.7	173.9	170.1	176.6	160.2	158.5	153.5	156.3	60- 70	213.6	1565	90.8,90.8
80	65.01	75.30	71.23	76.65	62.33	62.62	58.14	61.38	70- 80	121.2	1686	97.9,97.9
90	4.212	7.465	0.6520	5.884	2.514	4.538	0.2627	5.642	80- 90	33.89	1720	99.8,99.8
100	2.156	0.4807	0.5107	0.4656	0.4575	0.2854	0.2554	0.3899	90-100	3.045	1723	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0433	1723	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1723	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1723	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1723	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1723	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1723	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1723	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1723	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:SENPU  
 Test Date:2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	29911	35385
80	37435	41022
75	43194	45871
70	47290	49744
65	50117	52617
60	52502	55067
55	53982	56551
50	55084	57636
45	56015	58440

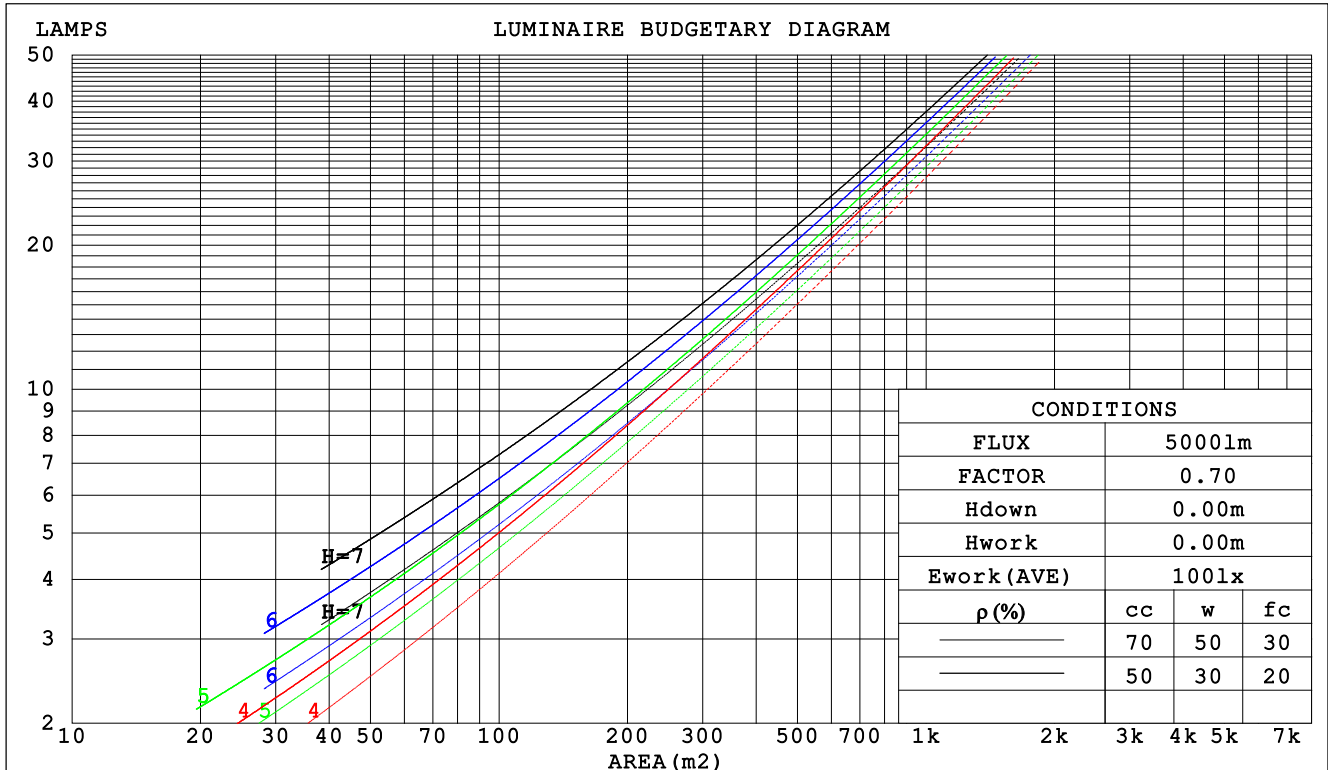
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 28DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	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	.00
1.0	1.04	.99	.96	1.01	.98	.94	.97	.94	.91	.93	.91	.88	.90	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.58	.52	.62	.56	.52	.50
5.0	.63	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.50	.45	.43
6.0	.56	.47	.41	.55	.47	.41	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.38	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 28DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## WEC AND CCEC

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm					
NAME: 24-700-18			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:		Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.311	.177	.056	.304	.174	.055	.291	.167	.053	.279	.161	.052	.267	.155	.050		
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.047	.264	.148	.046	.254	.144	.045		
3.0	.271	.144	.043	.265	.142	.043	.255	.138	.042	.245	.134	.041	.236	.131	.040		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.227	.122	.037	.219	.119	.036		
5.0	.231	.118	.034	.227	.116	.034	.219	.114	.033	.211	.111	.033	.204	.109	.033		
6.0	.214	.107	.031	.210	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030		
7.0	.199	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027		
8.0	.186	.091	.026	.183	.090	.025	.177	.089	.025	.172	.087	.025	.167	.085	.025		
9.0	.174	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.182	.157	.136	.156	.135	.117	.106	.093	.081	.061	.054	.047	.020	.017	.015	
2.0	.174	.133	.099	.149	.115	.086	.102	.079	.060	.059	.046	.035	.019	.015	.011	
3.0	.166	.116	.076	.142	.100	.065	.098	.069	.046	.056	.040	.027	.018	.013	.009	
4.0	.158	.102	.060	.136	.088	.052	.094	.062	.036	.054	.036	.022	.017	.012	.007	
5.0	.151	.092	.048	.130	.080	.042	.089	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.144	.084	.040	.124	.072	.035	.085	.051	.025	.049	.030	.015	.016	.010	.005	
7.0	.137	.077	.035	.118	.067	.030	.081	.047	.021	.047	.027	.013	.015	.009	.004	
8.0	.131	.071	.030	.112	.062	.026	.078	.043	.019	.045	.026	.011	.015	.008	.004	
9.0	.124	.066	.027	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003	
10.0	.119	.062	.024	.102	.054	.021	.071	.038	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:SENPU  
 Test Date:2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm											
NAME: 24-700-18					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
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	26.8	28.4	27.1	28.6	28.8	27.0	28.5	27.3	28.7	28.9	
	3H	28.4	29.8	28.7	30.0	30.2	28.5	29.9	28.8	30.2	30.4
	4H	28.9	30.3	29.3	30.5	30.8	29.1	30.5	29.4	30.7	31.0
	6H	29.4	30.6	29.7	30.9	31.2	29.6	30.8	29.9	31.1	31.4
	8H	29.5	30.7	29.8	31.0	31.3	29.7	30.9	30.0	31.2	31.5
	12H	29.5	30.7	29.9	31.0	31.3	29.8	30.9	30.1	31.2	31.5
4H	2H	27.5	28.8	27.8	29.1	29.4	27.6	29.0	27.9	29.2	29.5
	3H	29.2	30.4	29.6	30.7	31.0	29.3	30.5	29.7	30.8	31.1
	4H	29.9	31.0	30.3	31.3	31.7	30.1	31.1	30.4	31.5	31.8
	6H	30.5	31.4	30.9	31.8	32.2	30.6	31.6	31.0	31.9	32.3
	8H	30.7	31.5	31.1	31.9	32.3	30.8	31.7	31.2	32.1	32.4
	12H	30.8	31.6	31.2	32.0	32.4	30.9	31.7	31.4	32.1	32.5
8H	4H	30.2	31.1	30.6	31.5	31.9	30.3	31.2	30.7	31.6	32.0
	6H	30.9	31.7	31.4	32.1	32.5	31.0	31.8	31.5	32.2	32.6
	8H	31.2	31.9	31.7	32.3	32.8	31.3	32.0	31.8	32.4	32.9
	12H	31.4	32.0	31.9	32.4	32.9	31.5	32.1	32.0	32.5	33.0
12H	4H	30.2	31.1	30.7	31.5	31.9	30.3	31.2	30.8	31.6	32.0
	6H	31.0	31.7	31.5	32.1	32.6	31.1	31.8	31.6	32.2	32.6
	8H	31.3	31.9	31.8	32.3	32.8	31.4	32.0	31.9	32.4	32.9
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					

CIE Pub.117, 1723 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.9$ )

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 28DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## UTILIZATION FACTORS TABLE

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

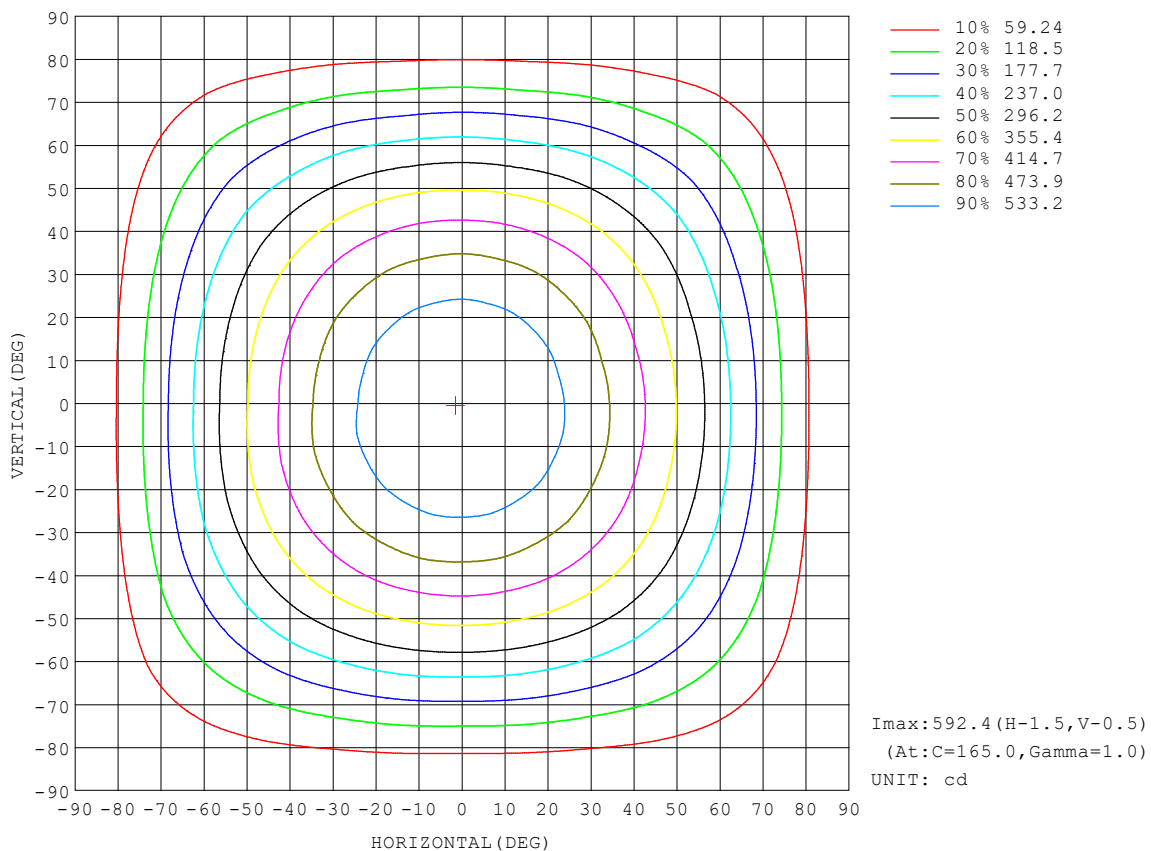
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	46	39	56	45	38	55	45	38	32
0.80	67	56	48	66	55	48	64	54	48	41
1.00	76	65	57	74	64	57	72	65	56	49
1.25	83	72	65	81	72	65	79	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	97	89	84	93	87	82	74
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 28DEG  
 Operators: SENPU  
 Test Date: 2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



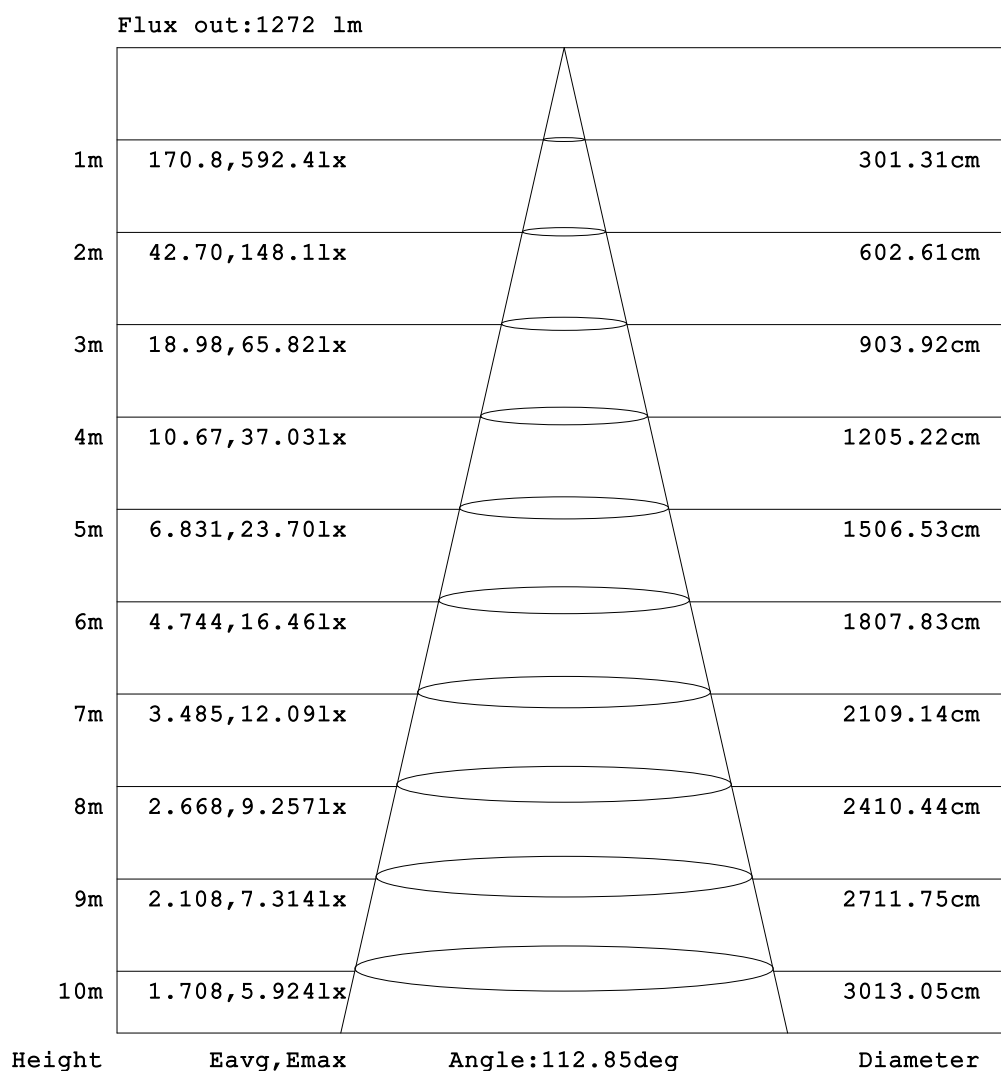
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:SENPU  
Test Date:2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:



## AAI Figure

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



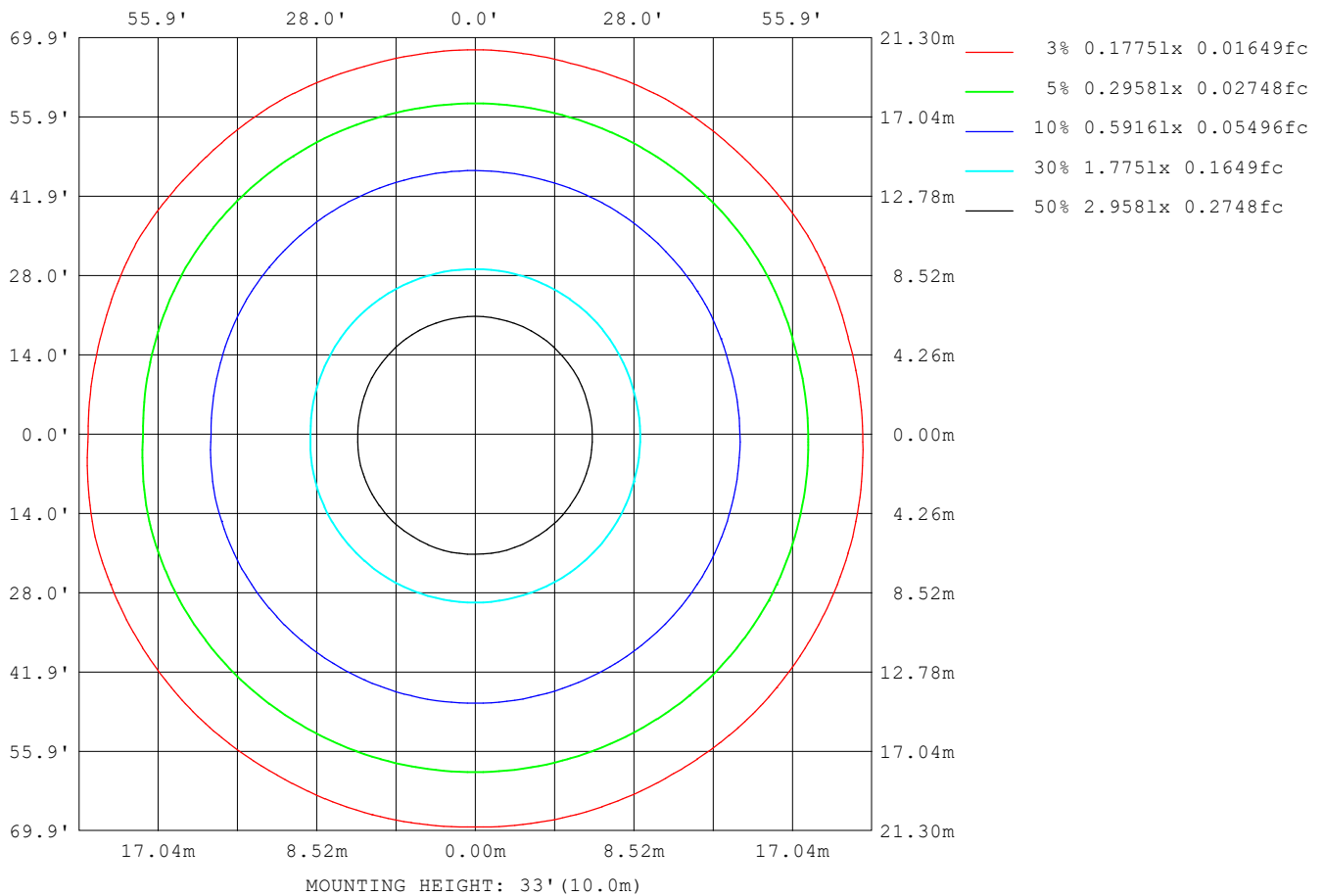
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:SENPU  
 Test Date:2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

## ISOLUX DIAGRAM

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:SENPU  
Test Date:2021-07-22

γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## LED Avg.L Report

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

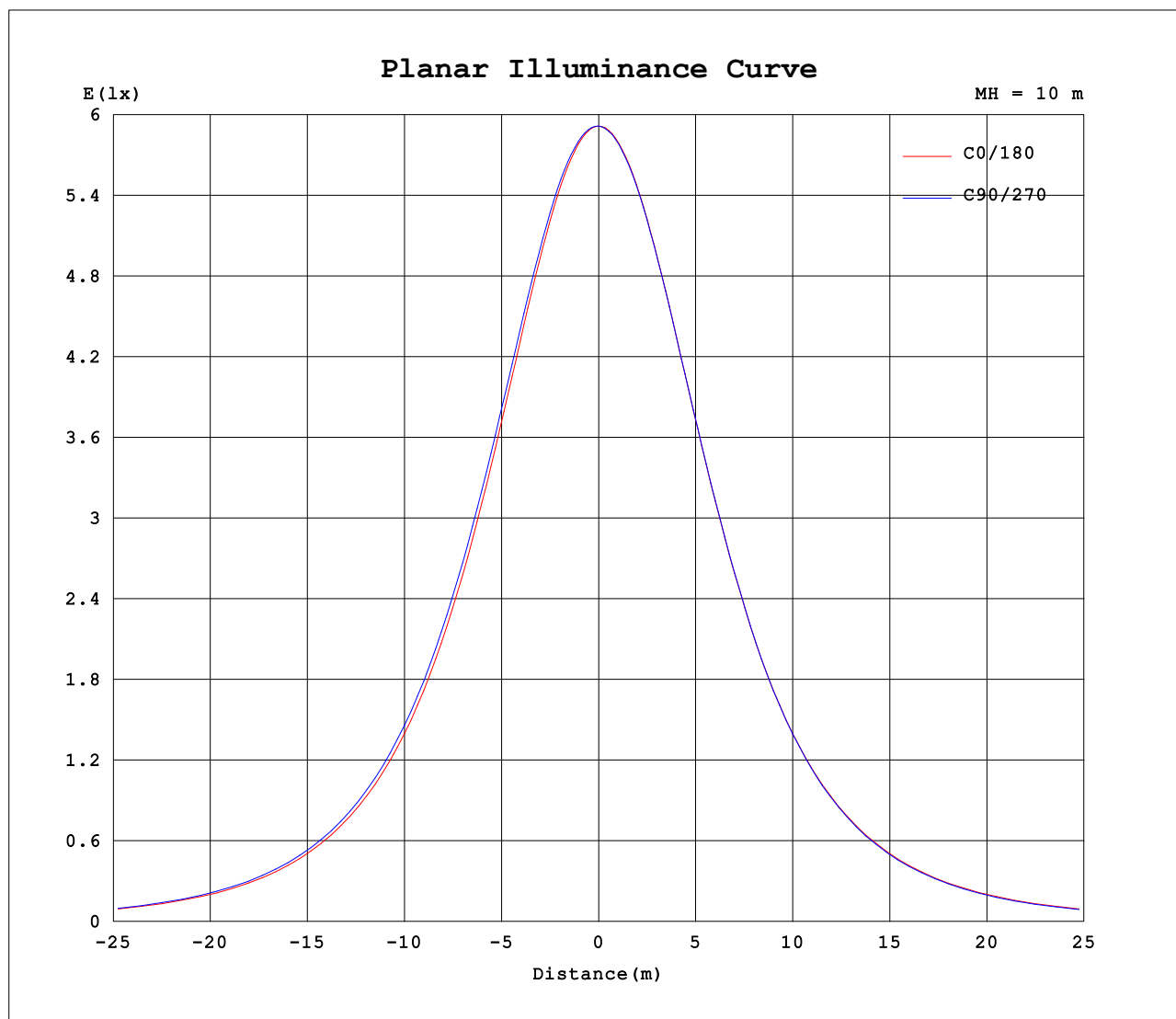
AvgL	cd/m2
L_0~180 (65) av	50050
L_0~180 (75) av	42759
L_0~180 (85) av	28154
L_90~270 (65) av	50576
L_90~270 (75) av	42930
L_90~270 (85) av	29818
L_45 (65) av	51477
L_45 (75) av	44596
L_45 (85) av	34336

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:SENPU  
 Test Date:2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 28DEG  
Operators: SENPU  
Test Date: 2021-07-22

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000 SYSTEM V2.0.402  
Humidity: 65.0%  
Test Distance: 8.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	592	592	591	592	591	591	592	592	592	592	592	592	592	592	591	592	591	591	592
5	589	589	589	590	590	590	590	591	591	591	591	591	589	589	589	589	588	588	588
10	581	582	582	584	584	585	585	585	585	585	584	584	582	581	581	581	581	581	581
15	568	570	570	572	573	574	575	575	575	575	573	573	569	568	569	568	569	568	568
20	550	552	553	556	557	560	560	561	560	559	557	556	552	550	552	551	552	550	551
25	527	530	532	536	537	540	540	541	540	539	536	535	529	528	530	529	530	529	529
30	500	504	506	511	512	516	515	517	515	515	511	509	502	501	503	503	504	503	503
35	469	474	476	482	483	486	486	488	486	486	482	480	472	471	473	472	473	472	472
40	434	437	442	446	449	451	452	453	452	452	448	443	434	435	436	438	436	436	434
45	396	399	405	408	411	412	413	413	415	413	411	406	395	397	398	399	397	396	395
50	354	358	364	367	369	370	370	371	372	372	370	365	354	355	357	357	355	353	352
55	310	314	320	323	324	324	324	326	327	327	326	321	309	309	312	310	309	306	305
60	263	268	273	275	275	275	275	277	278	279	278	274	261	262	265	263	260	257	256
65	212	219	223	225	223	224	222	225	225	229	227	225	211	211	215	209	209	204	205
70	162	169	172	174	171	172	170	173	173	177	176	174	160	161	164	158	157	153	153
75	112	120	123	123	120	120	119	121	121	125	125	124	110	111	114	108	107	103	103
80	65.0	72.9	75.2	75.3	72.5	72.8	71.2	73.6	73.7	76.6	77.1	76.2	62.3	65.4	67.2	62.6	61.4	57.7	58.1
85	26.1	33.4	35.7	35.1	32.5	32.1	30.8	32.5	33.1	35.0	35.9	35.0	23.0	26.9	28.5	24.6	23.6	20.8	21.1
90	4.21	9.38	10.1	7.47	4.41	2.40	0.65	1.94	3.36	5.88	8.28	8.63	2.51	7.44	7.44	4.54	2.57	1.17	0.26
95	3.03	6.55	6.29	3.45	1.49	0.38	0.41	0.57	0.61	2.46	5.05	6.13	2.03	5.53	4.83	2.33	0.43	0.27	0.26
100	2.16	3.12	1.83	0.48	0.41	0.59	0.51	0.48	0.61	0.47	0.55	0.77	0.46	0.40	0.32	0.29	0.29	0.26	0.26
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:28DEG  
Operators:SENPU  
Test Date:2021-07-22

γ Range: 0 - 100DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:8.000m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.000V I:1.1750A P:28.200W PF:1.0000 Freq:0Hz Lamp Flux:1722.9x1 lm		
NAME: 24-700-18	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

γ (DEG)	C (DEG)																		
	285	300	315	330	345														
0	592	592	592	592	592														
5	588	589	588	589	589														
10	580	581	580	580	580														
15	568	568	567	567	566														
20	550	550	549	549	548														
25	528	528	526	526	525														
30	502	502	500	500	497														
35	470	471	469	469	466														
40	435	434	434	431	431														
45	395	395	395	393	392														
50	352	352	353	352	350														
55	304	306	307	308	305														
60	256	258	259	261	258														
65	202	207	207	211	207														
70	152	156	156	161	157														
75	102	106	106	111	109														
80	57.6	60.5	61.4	65.6	63.7														
85	21.1	23.8	24.9	28.5	26.8														
90	1.50	3.26	5.64	8.75	8.85														
95	0.27	1.14	3.37	6.03	6.71														
100	0.27	0.28	0.39	1.54	2.59														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:28DEG  
 Operators:SENPU  
 Test Date:2021-07-22

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: