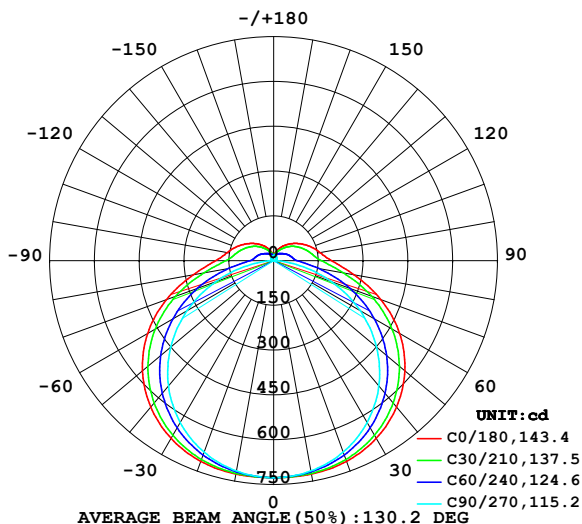


LUMINAIRE PHOTOMETRIC TEST REPORT

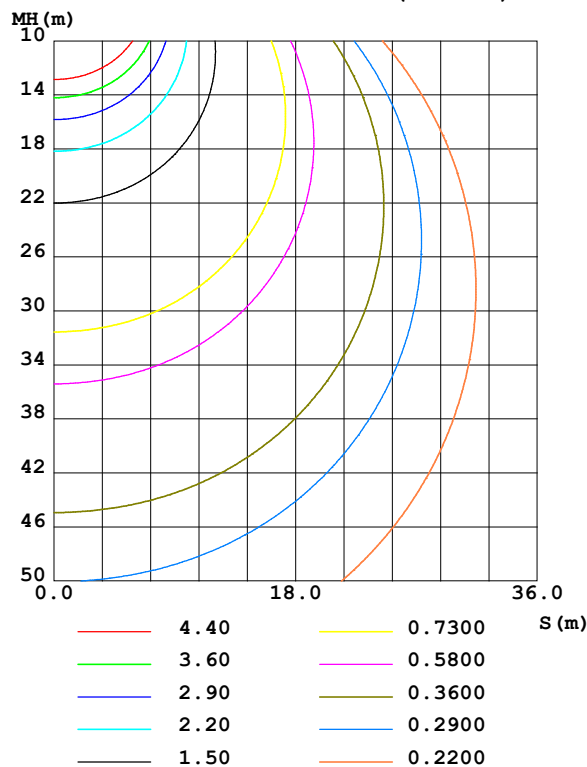
Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz		
UTHDi:0.19% ITHDi:11.93% KDisp:0.9245 Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.24 lm/W			
MODEL	NU28	I <sub>max</sub> (cd)	727.0	S/MH(C0/180)	1.41
NOMINAL POWER(W)	22	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	3027.8	□ UP,DN(C0-180)	6.8,43.2
NOMINAL FLUX(lm)	3027.76	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	6.8,43.2
LAMPS INSIDE	1	□ up (%)	13.7	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	□ down (%)	86.3	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-21

□ Range: 0 - 180DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	725.7	721.0	715.6	721.0	725.7	721.0	715.6	721.0	0- 10	69.10	69.10	2.28,2.28
20	715.1	701.1	682.2	701.1	715.1	701.1	682.2	701.1	10- 20	201.5	270.6	8.94,8.94
30	687.4	662.3	626.2	662.3	687.4	662.3	626.2	662.3	20- 30	314.8	585.4	19.3,19.3
40	640.4	603.1	548.3	603.1	640.4	603.1	548.3	603.1	30- 40	395.7	981.1	32.4,32.4
50	573.5	524.0	449.8	524.0	573.5	524.0	449.8	524.0	40- 50	433.1	1414	46.7,46.7
60	486.9	426.1	334.2	426.1	486.9	426.1	334.2	426.1	50- 60	421.2	1835	60.6,60.6
70	382.4	313.6	205.8	313.6	382.4	313.6	205.8	313.6	60- 70	359.9	2195	72.5,72.5
80	273.1	198.6	78.03	198.6	273.1	198.6	78.03	198.6	70- 80	260.2	2456	81.1,81.1
90	194.6	123.1	4.392	123.1	194.6	123.1	4.392	123.1	80- 90	158.8	2614	86.3,86.3
100	158.3	100.3	5.728	100.3	158.3	100.3	5.728	100.3	90-100	110.3	2725	90,90
110	134.7	85.89	7.578	85.89	134.7	85.89	7.578	85.89	100-110	90.92	2816	93,93
120	111.6	71.66	9.175	71.66	111.6	71.66	9.175	71.66	110-120	72.57	2888	95.4,95.4
130	90.29	56.17	10.95	56.17	90.29	56.17	10.95	56.17	120-130	54.33	2942	97.2,97.2
140	71.09	44.17	12.67	44.17	71.09	44.17	12.67	44.17	130-140	38.05	2980	98.4,98.4
150	53.80	34.65	14.42	34.65	53.80	34.65	14.42	34.65	140-150	24.61	3005	99.3,99.3
160	38.27	26.74	15.81	26.74	38.27	26.74	15.81	26.74	150-160	14.21	3019	99.7,99.7
170	24.41	20.69	16.81	20.69	24.41	20.69	16.81	20.69	160-170	6.683	3026	99.9,99.9
180	17.33	17.12	17.25	17.12	17.33	17.12	17.25	17.12	170-180	1.799	3028	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1196 lm

%lum = 39.5%

%lamp = 39.5%

Conical surface Flux(130deg): 2025.9 lm

%lum = 66.9%

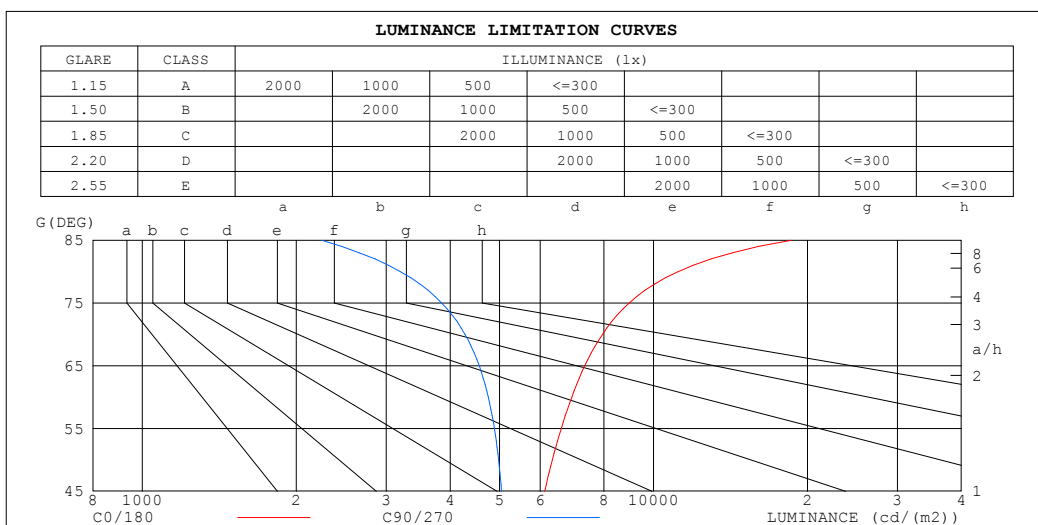
%lamp = 66.9%

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-21

□ Range: 0 - 180DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

## LUMINANCE LIMITATION CURVES

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz		
UTHDi:0.19% ITHDi:11.93% KDisp:0.9245 Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	18586	2246
80	11176	3194
75	8964	3851
70	7946	4277
65	7337	4561
60	6921	4751
55	6600	4883
50	6341	4974
45	6125	5041

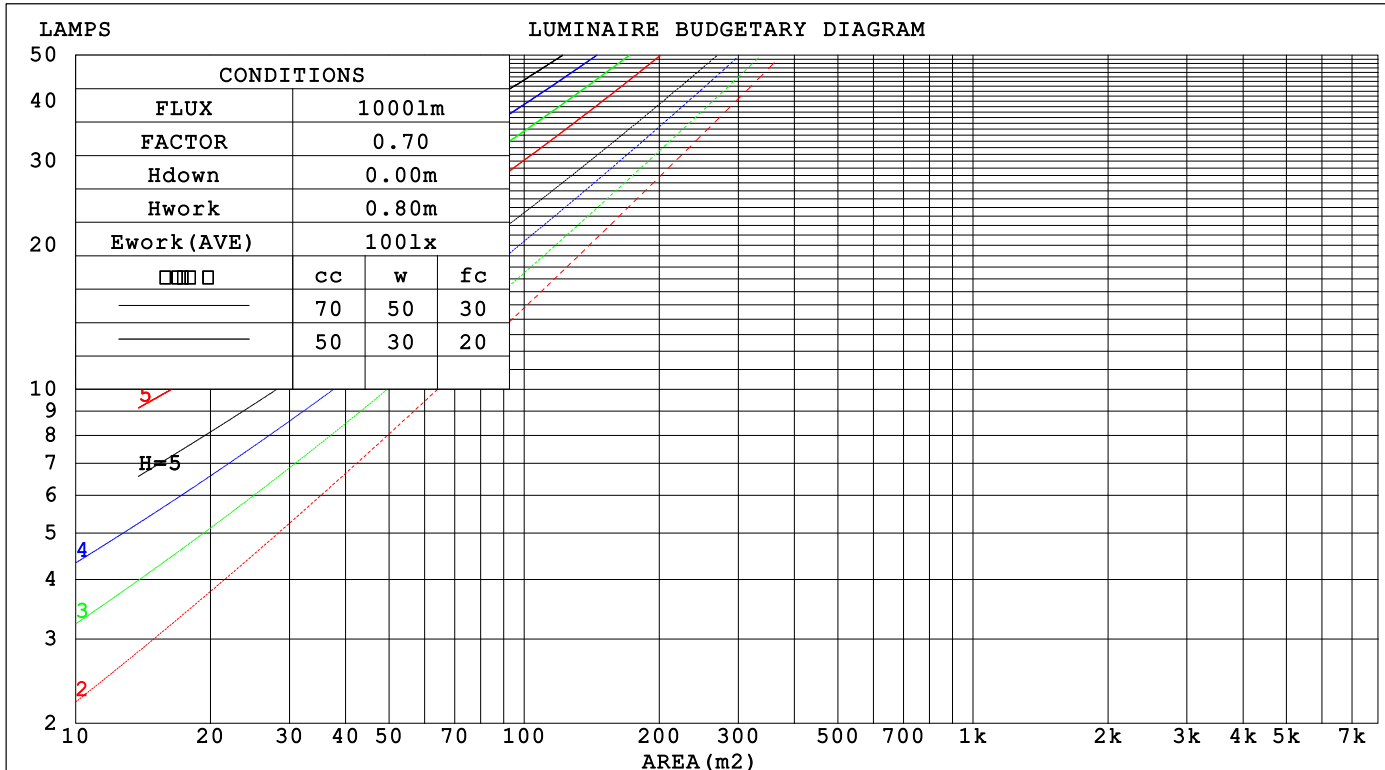
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz		
UTHDi:0.19% ITHDi:11.93% KDisp:0.9245 Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-21

□ Range: 0 - 180DEG  
□ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

### WEC AND CCEC

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz			UTHDi:0.19% ITHDi:11.93% KDisp:0.9245			Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H			TYPE:			WEIGHT:		
SPEC.:			DIM.:			SERIAL No.:		
MFR.: Ervan			SUR.:			Shielding Angle:		

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0														
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0														
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0														
RCR	RCR:Room Cavity Ratio															Wall Exitance Coefficients(WEC)														
0.0																														
1.0	.358	.204	.064	.347	.198	.063	.325	.187	.060	.306	.176	.057	.288	.167	.054															
2.0	.319	.175	.054	.309	.170	.052	.290	.161	.050	.272	.153	.048	.256	.145	.046															
3.0	.288	.153	.046	.279	.149	.045	.261	.142	.043	.245	.134	.041	.230	.128	.039															
4.0	.261	.136	.040	.253	.132	.039	.237	.126	.038	.223	.120	.036	.209	.114	.035															
5.0	.239	.122	.035	.231	.119	.035	.217	.113	.033	.204	.108	.032	.192	.103	.031															
6.0	.220	.110	.032	.213	.108	.031	.200	.103	.030	.188	.098	.029	.177	.093	.028															
7.0	.203	.100	.028	.197	.098	.028	.185	.094	.027	.174	.089	.026	.164	.085	.025															
8.0	.189	.092	.026	.183	.090	.026	.173	.086	.025	.163	.082	.024	.153	.079	.023															
9.0	.176	.085	.024	.171	.083	.023	.161	.080	.023	.152	.076	.022	.143	.073	.021															
10.0	.165	.079	.022	.161	.078	.022	.151	.074	.021	.143	.071	.020	.135	.068	.019															

<input type="checkbox"/> cc	80%			70%			50%			30%			10%			0	
<input type="checkbox"/> w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
<input type="checkbox"/> fc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)										
0.0	.295	.295	.295	.252	.252	.252	.172	.172	.172	.099	.099	.099	.032	.032	.032		
1.0	.289	.261	.235	.247	.224	.203	.169	.154	.140	.097	.089	.081	.031	.029	.026		
2.0	.281	.237	.200	.241	.204	.173	.165	.141	.121	.095	.082	.071	.031	.027	.023		
3.0	.274	.221	.178	.235	.190	.154	.161	.132	.108	.093	.077	.064	.030	.025	.021		
4.0	.266	.208	.163	.229	.180	.142	.157	.125	.100	.091	.073	.059	.029	.024	.019		
5.0	.259	.198	.153	.222	.171	.133	.153	.120	.094	.089	.070	.056	.029	.023	.018		
6.0	.252	.190	.146	.216	.164	.127	.149	.115	.090	.087	.068	.053	.028	.022	.018		
7.0	.245	.183	.140	.210	.159	.122	.145	.111	.087	.084	.066	.052	.027	.021	.017		
8.0	.238	.178	.136	.205	.154	.119	.142	.108	.084	.083	.064	.050	.027	.021	.017		
9.0	.232	.173	.133	.200	.150	.116	.138	.105	.082	.081	.062	.049	.026	.020	.016		
10.0	.226	.169	.130	.195	.146	.114	.135	.103	.081	.079	.061	.048	.026	.020	.016		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

### UGR(Unified Glare Rating) Table

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz UTHDi:0.19% ITHDi:11.93% KDisp:0.9245Lamp Flux:3027.76x1 lm											
NAME: NU28-LC-22W-1200K-40H					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.: Ervan					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		15.2	16.6	15.6	17.0	17.5	13.6	15.0	14.1	15.5	15.9
3H		17.4	18.7	17.9	19.2	19.7	15.1	16.4	15.6	16.9	17.4
4H		18.6	19.8	19.1	20.3	20.8	15.7	16.9	16.2	17.4	17.9
6H		19.8	20.9	20.3	21.4	22.0	16.0	17.2	16.5	17.7	18.2
8H		20.4	21.5	20.9	22.1	22.6	16.1	17.2	16.6	17.7	18.3
12H		21.1	22.2	21.7	22.8	23.3	16.1	17.2	16.7	17.7	18.3
4H 2H		15.7	16.9	16.2	17.4	18.0	14.6	15.8	15.1	16.3	16.8
3H		18.2	19.3	18.7	19.8	20.4	16.3	17.4	16.8	17.9	18.5
4H		19.5	20.5	20.1	21.1	21.7	17.0	18.0	17.6	18.5	19.1
6H		20.9	21.8	21.5	22.4	23.0	17.5	18.4	18.1	18.9	19.6
8H		21.7	22.5	22.3	23.1	23.8	17.6	18.5	18.2	19.1	19.7
12H		22.6	23.3	23.2	23.9	24.6	17.7	18.5	18.3	19.1	19.8
8H 4H		19.8	20.6	20.4	21.2	21.9	17.7	18.5	18.3	19.1	19.8
6H		21.5	22.2	22.1	22.8	23.5	18.5	19.2	19.1	19.8	20.5
8H		22.4	23.0	23.1	23.7	24.4	18.8	19.4	19.4	20.0	20.8
12H		23.5	24.1	24.2	24.7	25.5	19.0	19.5	19.6	20.2	20.9
12H 4H		19.8	20.6	20.4	21.2	21.9	17.9	18.6	18.5	19.2	19.9
6H		21.5	22.2	22.2	22.8	23.5	18.8	19.4	19.5	20.1	20.8
8H		22.6	23.1	23.3	23.8	24.6	19.2	19.8	19.9	20.4	21.2
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 3028 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.8)  
Area: 0.1407 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

### UTILIZATION FACTORS TABLE

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz		
UTHDi:0.19% ITHDi:11.93% KDisp:0.9245 Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

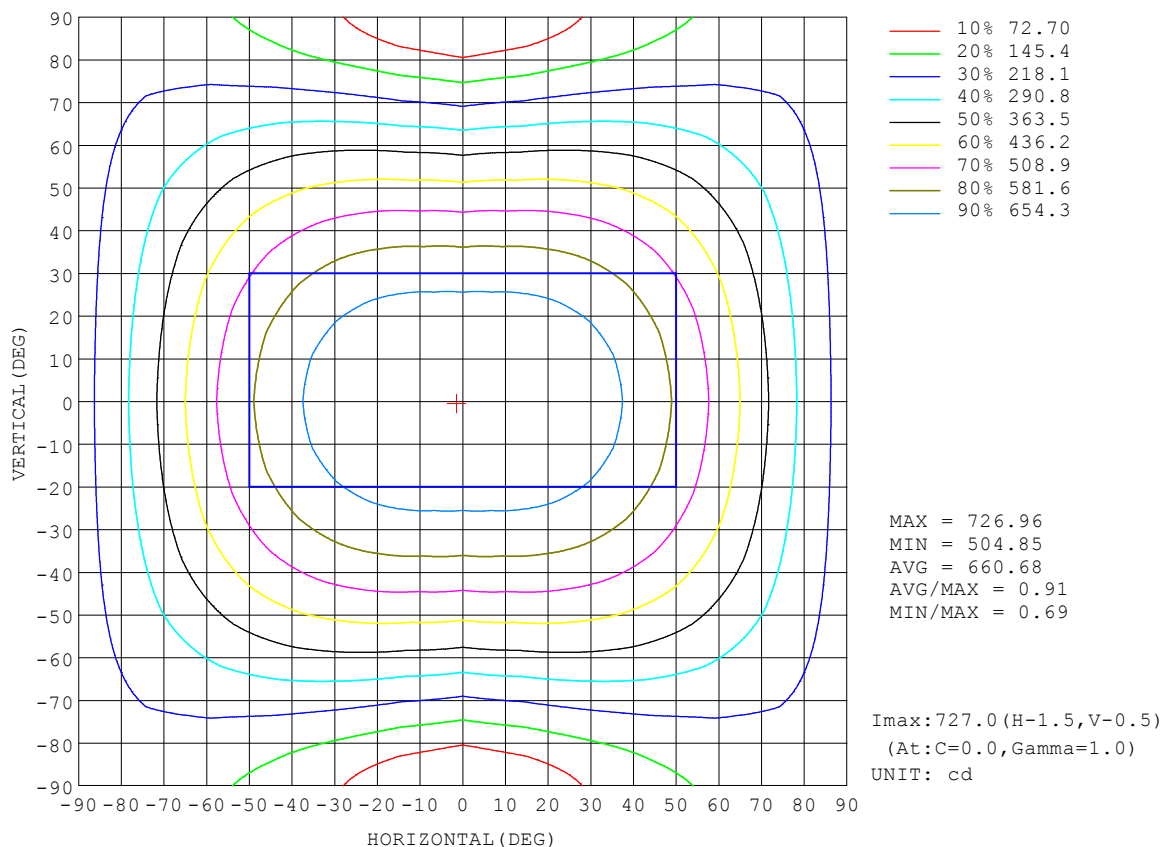
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	37	30	47	37	30	23
0.80	60	47	39	58	46	39	55	45	38	30
1.00	68	55	47	66	54	47	62	55	45	37
1.25	75	63	54	72	61	54	69	59	52	43
1.50	80	68	60	77	67	59	73	64	57	47
2.00	87	77	69	84	75	68	79	71	65	54
2.50	91	82	75	88	80	73	83	76	70	58
3.00	95	87	80	92	84	78	86	79	74	62
4.00	100	92	86	96	90	84	90	84	80	67
5.00	102	96	91	99	93	88	92	87	84	70
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:25.3°C  
Operators:QC  
Test Date:2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

### ISOCANDELA DIAGRAM

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz		
UTHDi:0.19% ITHDi:11.93% KDisp:0.9245 Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



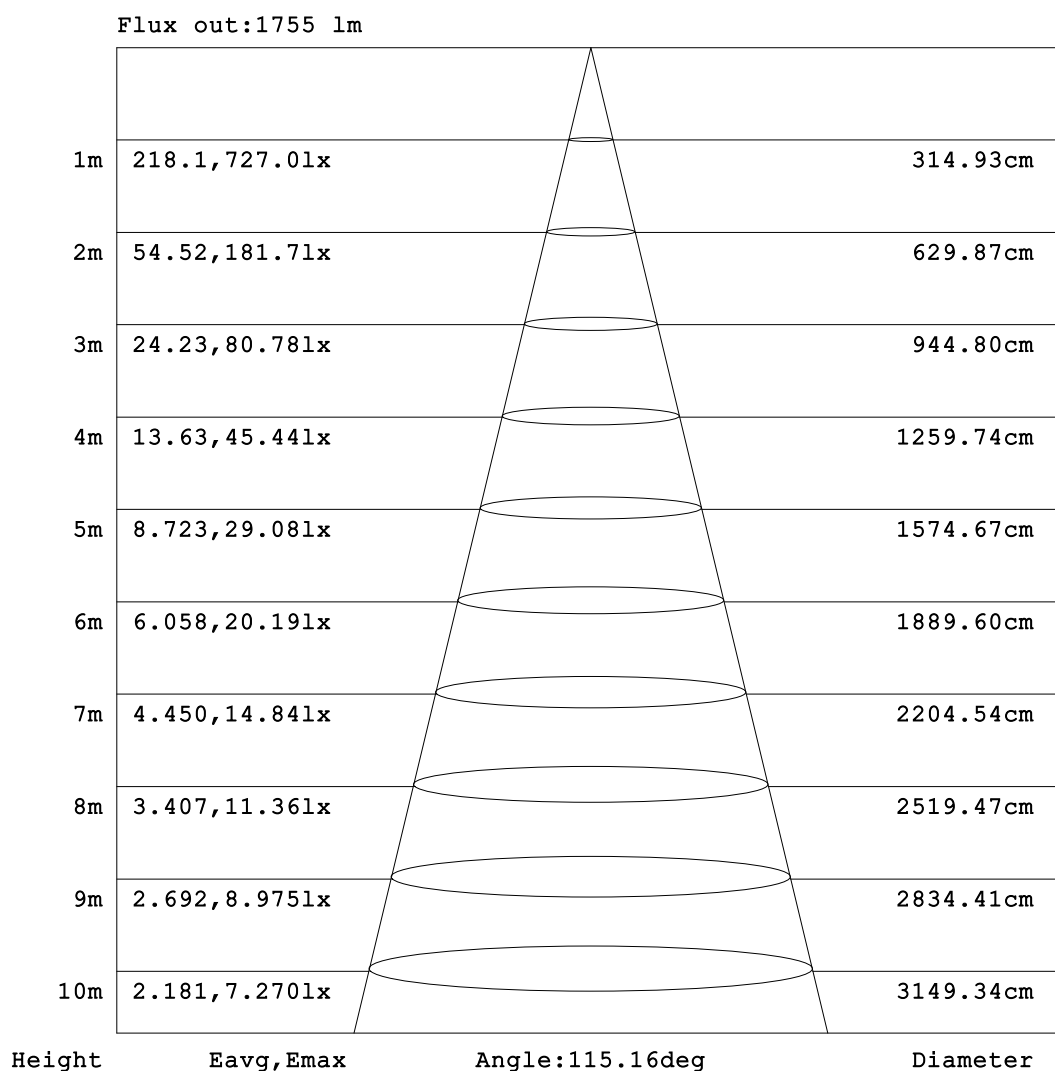
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: QC  
Test Date: 2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity: 65.0%  
Test Distance: 10.640m [K=1.0000]  
Remarks:



### AAI Figure

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz		
UTHDi:0.19% ITHDi:11.93% KDisp:0.9245 Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

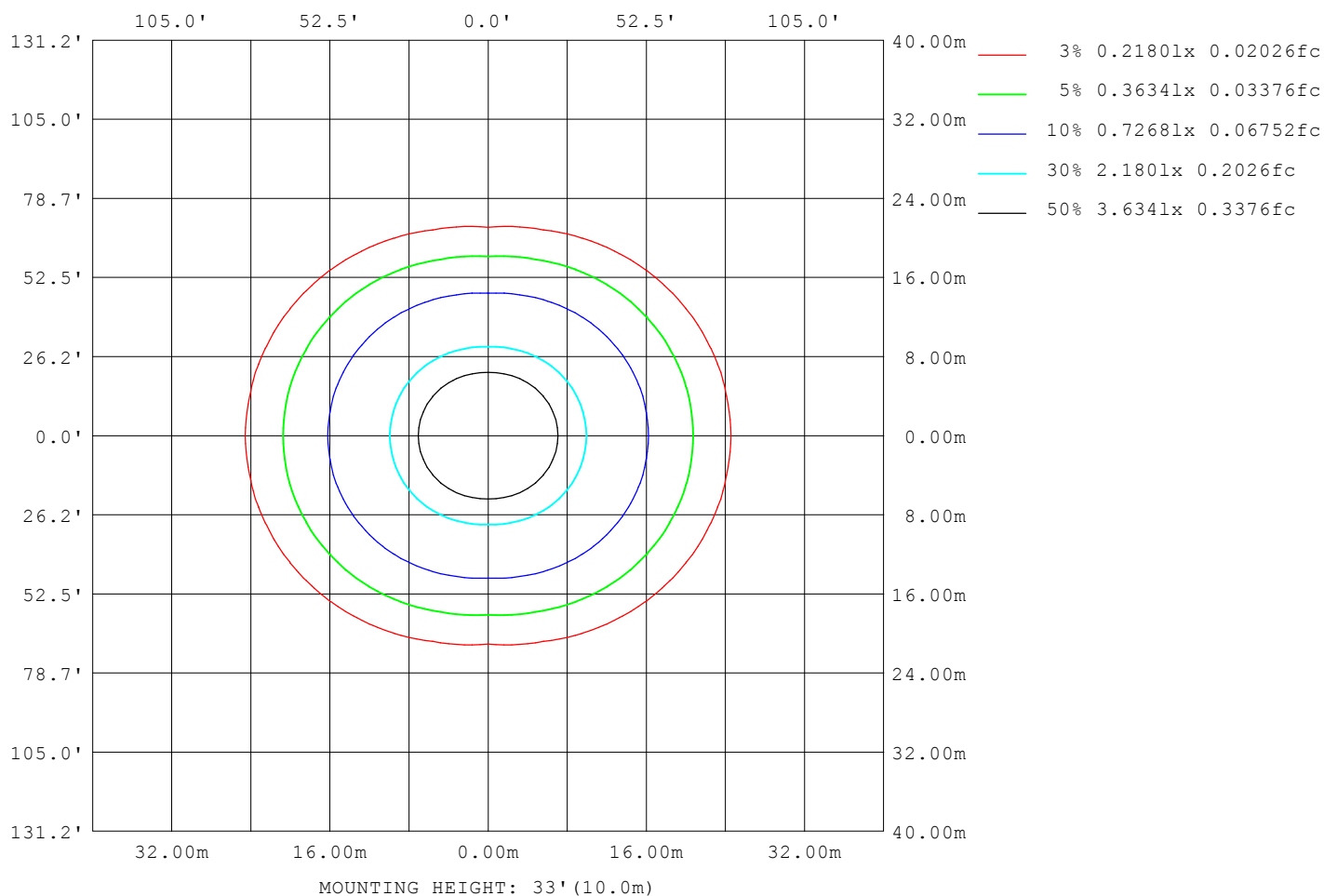


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

### ISOLUX DIAGRAM

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz UTHDi:0.19% ITHDi:11.93% KDisp:0.9245 Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

### LED Avg.L Report

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz		
UTHDi:0.19% ITHDi:11.93% KDisp:0.9245 Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

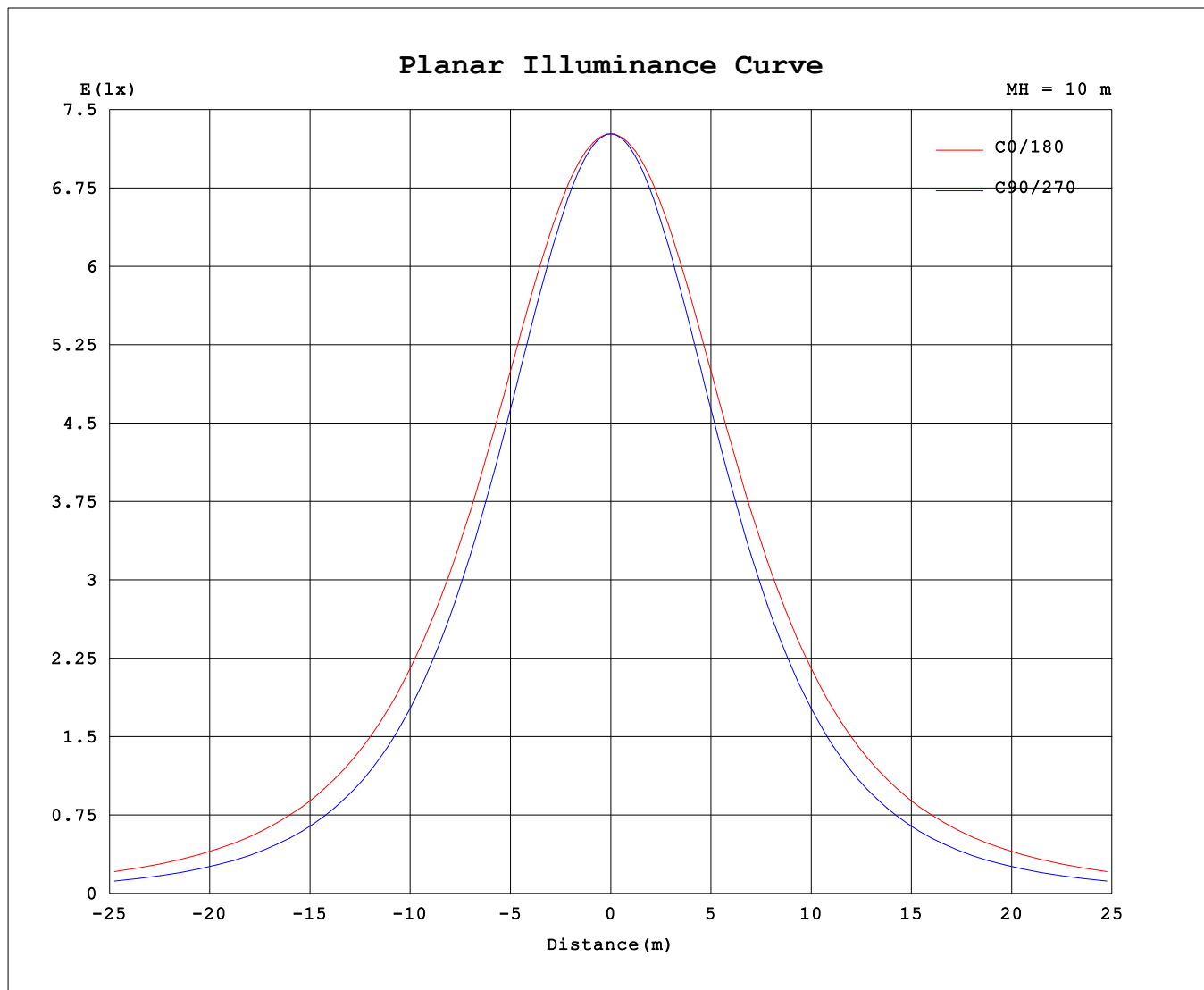
AvgL	cd/m2
L_0~180 (65) av	7338
L_0~180 (75) av	8964
L_0~180 (85) av	18588
L_90~270 (65) av	4560
L_90~270 (75) av	3851
L_90~270 (85) av	2245
L_45 (65) av	6244
L_45 (75) av	6995
L_45 (85) av	12448

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: QC  
Test Date: 2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity: 65.0%  
Test Distance: 10.640m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz		
UTHDi:0.19% ITHDi:11.93% KDisp:0.9245		Lamp Flux:3027.76x1 lm
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727	727
5	727	727	726	725	725	724	724	724	725	725	726	727	727	727	726	725	725	724	724
10	726	725	724	721	718	716	716	716	718	721	724	725	726	725	724	721	718	716	716
15	722	721	718	713	708	704	702	704	708	713	718	721	722	721	718	713	708	704	702
20	715	713	709	701	692	685	682	685	692	701	709	713	715	713	709	701	692	685	682
25	704	701	694	684	672	662	657	662	672	684	694	701	704	701	694	684	672	662	657
30	687	684	675	662	647	632	626	632	647	662	675	684	687	684	675	662	647	632	626
35	666	663	652	635	616	598	590	598	616	635	652	663	666	663	652	635	616	598	590
40	640	636	623	603	580	559	548	559	580	603	623	636	640	636	623	603	580	559	548
45	609	604	589	566	539	514	501	514	539	566	589	604	609	604	589	566	539	514	501
50	574	567	550	524	494	465	450	465	494	524	550	567	574	567	550	524	494	465	450
55	533	526	506	477	444	411	394	411	444	477	506	526	533	526	506	477	444	411	394
60	487	479	458	426	390	354	334	354	390	426	458	479	487	479	458	426	390	354	334
65	436	428	405	371	332	293	271	293	332	371	405	428	436	428	405	371	332	293	271
70	382	374	349	314	272	230	206	230	272	314	349	374	382	374	349	314	272	230	206
75	326	317	292	255	211	167	140	167	211	255	292	317	326	317	292	255	211	167	140
80	273	264	237	199	154	107	78.0	107	154	199	237	264	273	264	237	199	154	107	78.0
85	228	219	192	153	106	58.3	27.5	58.3	106	153	192	219	228	219	192	153	106	58.3	27.5
90	195	186	160	123	78.9	33.1	4.39	33.1	78.9	123	160	186	195	186	160	123	78.9	33.1	4.39
95	172	164	142	108	68.9	28.5	4.87	28.5	68.9	108	142	164	172	164	142	108	68.9	28.5	4.87
100	158	151	131	100	63.8	26.6	5.73	26.6	63.8	100	131	151	158	151	131	100	63.8	26.6	5.73
105	147	140	121	93.0	59.2	25.4	6.65	25.4	59.2	93.0	121	140	147	140	121	93.0	59.2	25.4	6.65
110	135	129	112	85.9	55.0	24.4	7.58	24.4	55.0	85.9	112	129	135	129	112	85.9	55.0	24.4	7.58
115	123	118	102	78.9	50.4	23.2	8.29	23.2	50.4	78.9	102	118	123	118	102	78.9	50.4	23.2	8.29
120	112	107	93.1	71.7	45.6	22.3	9.17	22.3	45.6	71.7	93.1	107	112	107	93.1	71.7	45.6	22.3	9.17
125	101	96.5	84.4	63.7	40.9	21.4	10.0	21.4	40.9	63.7	84.4	96.5	101	96.5	84.4	63.7	40.9	21.4	10.0
130	90.3	86.6	75.3	56.2	37.6	20.6	11.0	20.6	37.6	56.2	75.3	86.6	90.3	86.6	75.3	56.2	37.6	20.6	11.0
135	80.4	77.3	65.6	49.8	34.5	20.0	11.8	20.0	34.5	49.8	65.6	77.3	80.4	77.3	65.6	49.8	34.5	20.0	11.8
140	71.1	68.4	57.1	44.2	31.5	19.4	12.7	19.4	31.5	44.2	57.1	68.4	71.1	68.4	57.1	44.2	31.5	19.4	12.7
145	62.2	59.4	49.2	39.3	28.8	18.9	13.6	18.9	28.8	39.3	49.2	59.4	62.2	59.4	49.2	39.3	28.8	18.9	13.6
150	53.8	51.0	42.1	34.7	26.3	18.6	14.4	18.6	26.3	34.7	42.1	51.0	53.8	51.0	42.1	34.7	26.3	18.6	14.4
155	45.9	43.0	36.1	30.2	24.3	18.4	15.2	18.4	24.3	30.2	36.1	43.0	45.9	43.0	36.1	30.2	24.3	18.4	15.2
160	38.3	34.5	30.6	26.7	22.5	18.0	15.8	18.0	22.5	26.7	30.6	34.5	38.3	34.5	30.6	26.7	22.5	18.0	15.8
165	31.0	27.7	25.6	23.6	20.7	17.7	16.4	17.7	20.7	23.6	25.6	27.7	31.0	27.7	25.6	23.6	20.7	17.7	16.4
170	24.4	22.5	21.6	20.7	19.0	17.4	16.8	17.4	19.0	20.7	21.6	22.5	24.4	22.5	21.6	20.7	19.0	17.4	16.8
175	19.6	18.5	18.5	18.2	17.7	17.3	17.1	17.3	17.7	18.2	18.5	18.5	19.6	18.5	18.5	18.2	17.7	17.3	17.1
180	17.3	16.8	17.0	17.1	17.2	17.2	17.3	17.2	17.2	17.1	17.0	16.8	17.3	16.8	17.0	17.1	17.2	17.2	17.3

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks:

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.37V I:0.1018A P:21.437W PF:0.9145 Freq:49.99Hz		
UTHDi:0.19% ITHDi:11.93% KDisp:0.9245 Lamp Flux:3027.76x1 lm		
NAME: NU28-LC-22W-1200K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) □ (DEG)	285	300	315	330	345														
0	727	727	727	727	727														
5	724	725	725	726	727														
10	716	718	721	724	725														
15	704	708	713	718	721														
20	685	692	701	709	713														
25	662	672	684	694	701														
30	632	647	662	675	684														
35	598	616	635	652	663														
40	559	580	603	623	636														
45	514	539	566	589	604														
50	465	494	524	550	567														
55	411	444	477	506	526														
60	354	390	426	458	479														
65	293	332	371	405	428														
70	230	272	314	349	374														
75	167	211	255	292	317														
80	107	154	199	237	264														
85	58.3	106	153	192	219														
90	33.1	78.9	123	160	186														
95	28.5	68.9	108	142	164														
100	26.6	63.8	100	131	151														
105	25.4	59.2	93.0	121	140														
110	24.4	55.0	85.9	112	129														
115	23.2	50.4	78.9	102	118														
120	22.3	45.6	71.7	93.1	107														
125	21.4	40.9	63.7	84.4	96.5														
130	20.6	37.6	56.2	75.3	86.6														
135	20.0	34.5	49.8	65.6	77.3														
140	19.4	31.5	44.2	57.1	68.4														
145	18.9	28.8	39.3	49.2	59.4														
150	18.6	26.3	34.7	42.1	51.0														
155	18.4	24.3	30.2	36.1	43.0														
160	18.0	22.5	26.7	30.6	34.5														
165	17.7	20.7	23.6	25.6	27.7														
170	17.4	19.0	20.7	21.6	22.5														
175	17.3	17.7	18.2	18.5	18.5														
180	17.2	17.2	17.1	17.0	16.8														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-21

☐ Range: 0 - 180DEG  
☐ Interval: 1.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.00.458  
Humidity:65.0%  
Test Distance:10.640m [K=1.0000]  
Remarks: