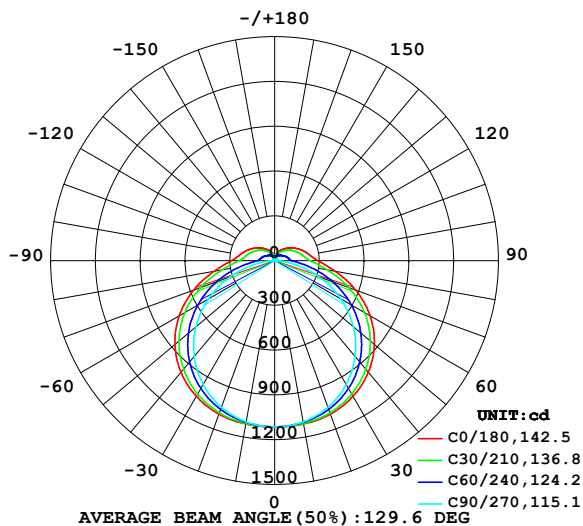


LUMINAIRE PHOTOMETRIC TEST REPORT

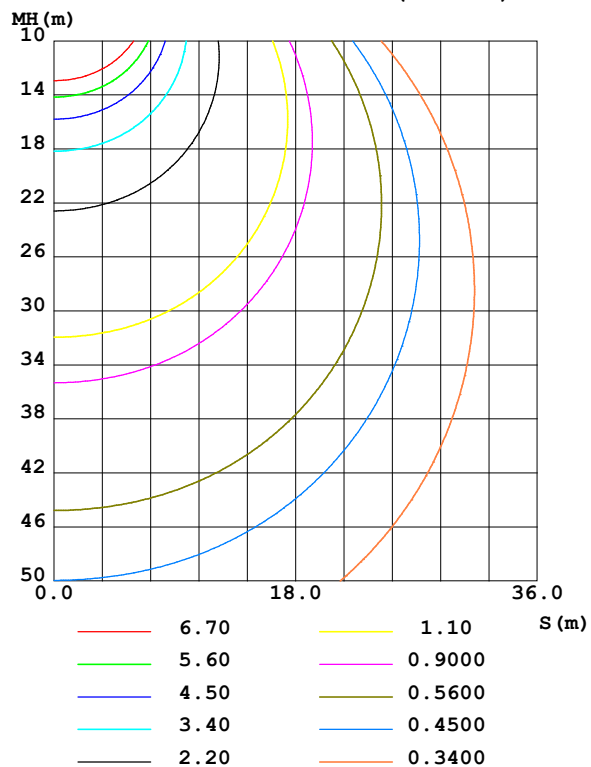
Test:U:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz		
UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.68 lm/W			
MODEL	NU28	I _{max} (cd)	1114	S/MH(C0/180)	1.41
NOMINAL POWER(W)	39	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4600.9	□ UP,DN(C0-180)	6.7,43.3
NOMINAL FLUX(lm)	4600.85	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	6.7,43.3
LAMPS INSIDE	1	□ up (%)	13.4	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	□ down (%)	86.6	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:2022-06-20

□ 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	1112	1105	1097	1105	1112	1105	1097	1105	0- 10	105.9	105.9	2.3,2.3
20	1094	1073	1045	1073	1094	1073	1045	1073	10- 20	308.6	414.5	9.01,9.01
30	1050	1013	959.2	1013	1050	1013	959.2	1013	20- 30	481.8	896.2	19.5,19.5
40	976.3	921.0	839.1	921.0	976.3	921.0	839.1	921.0	30- 40	604.7	1501	32.6,32.6
50	872.4	798.6	688.4	798.6	872.4	798.6	688.4	798.6	40- 50	661.0	2162	47,47
60	738.5	648.3	511.4	648.3	738.5	648.3	511.4	648.3	50- 60	641.7	2804	60.9,60.9
70	578.1	475.1	315.0	475.1	578.1	475.1	315.0	475.1	60- 70	547.2	3351	72.8,72.8
80	410.3	299.3	119.9	299.3	410.3	299.3	119.9	299.3	70- 80	393.9	3745	81.4,81.4
90	290.6	183.8	7.178	183.8	290.6	183.8	7.178	183.8	80- 90	238.5	3983	86.6,86.6
100	236.0	149.5	9.161	149.5	236.0	149.5	9.161	149.5	90-100	164.7	4148	90.2,90.2
110	200.7	127.7	11.81	127.7	200.7	127.7	11.81	127.7	100-110	135.7	4284	93.1,93.1
120	166.2	105.3	14.48	105.3	166.2	105.3	14.48	105.3	110-120	108.0	4392	95.5,95.5
130	134.4	83.19	17.19	83.19	134.4	83.19	17.19	83.19	120-130	80.89	4473	97.2,97.2
140	105.9	66.01	19.87	66.01	105.9	66.01	19.87	66.01	130-140	56.81	4529	98.4,98.4
150	80.26	52.10	22.25	52.10	80.26	52.10	22.25	52.10	140-150	36.97	4566	99.3,99.3
160	57.34	40.85	24.14	40.85	57.34	40.85	24.14	40.85	150-160	21.52	4588	99.7,99.7
170	37.06	31.68	25.56	31.68	37.06	31.68	25.56	31.68	160-170	10.22	4598	99.9,99.9
180	25.68	25.99	26.19	25.99	25.68	25.99	26.19	25.99	170-180	2.763	4601	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1829 lm

%lum = 39.8%

%lamp = 39.8%

Conical surface Flux(130deg): 3093.4 lm

%lum = 67.2%

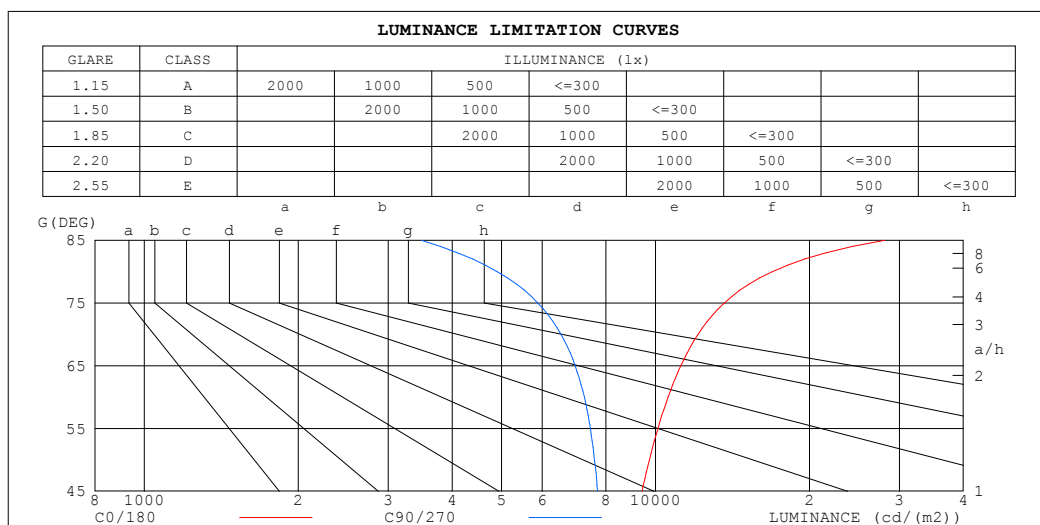
%lamp = 67.2%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-20

□ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	28075	3482
80	16928	4899
75	13634	5885
70	12110	6534
65	11208	6961
60	10582	7255
55	10108	7456
50	9724	7597
45	9405	7699

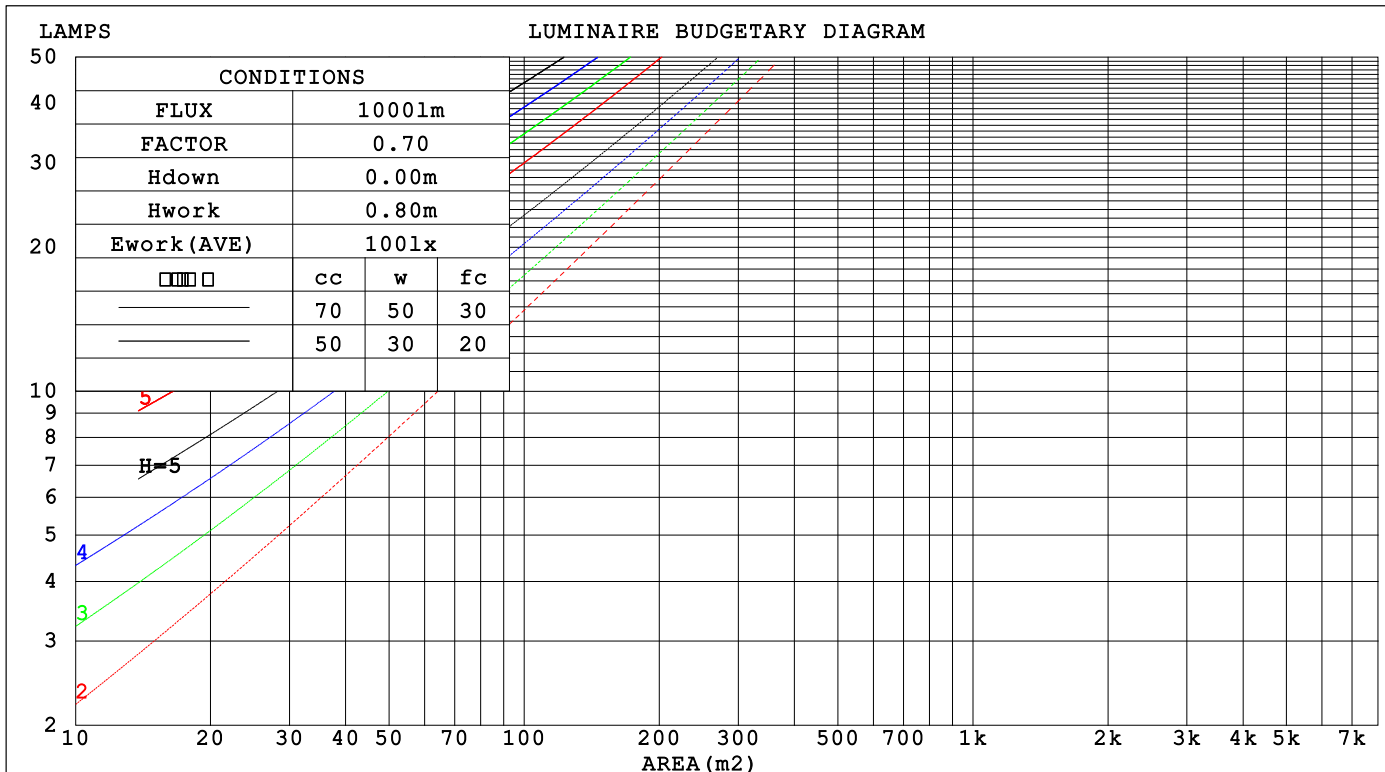
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: QC
Test Date: 2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz		
UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	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															Coefficients of Utilization(CU)														
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.96	.96	.96	.90	.90	.90	.87														
1.0	.98	.93	.89	.95	.90	.86	.88	.84	.81	.82	.79	.76	.76	.74	.71	.68														
2.0	.84	.77	.71	.81	.74	.69	.76	.70	.65	.70	.66	.62	.65	.62	.58	.55														
3.0	.73	.65	.58	.71	.63	.56	.66	.59	.54	.61	.56	.51	.57	.52	.48	.46														
4.0	.65	.55	.48	.62	.54	.47	.58	.51	.45	.54	.48	.43	.50	.45	.41	.38														
5.0	.57	.48	.41	.55	.47	.40	.52	.44	.38	.48	.42	.37	.45	.40	.35	.33														
6.0	.51	.42	.35	.50	.41	.35	.46	.39	.33	.43	.37	.32	.41	.35	.31	.28														
7.0	.46	.37	.31	.45	.36	.30	.42	.35	.29	.39	.33	.28	.37	.31	.27	.25														
8.0	.42	.33	.27	.41	.33	.27	.38	.31	.26	.36	.30	.25	.34	.28	.24	.22														
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.26	.22	.20														
10.0	.35	.27	.22	.34	.27	.22	.32	.26	.21	.31	.25	.20	.29	.23	.20	.18														



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz			UTHDi:0.19% ITHDi:8.64% KDisp:0.9675			Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H			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	.357	.203	.064	.346	.197	.063	.325	.186	.059	.305	.176	.057	.287	.167	.054		
2.0	.319	.175	.054	.309	.170	.052	.290	.161	.050	.272	.153	.048	.256	.145	.046		
3.0	.287	.153	.046	.278	.149	.045	.261	.141	.043	.245	.134	.041	.231	.128	.040		
4.0	.261	.136	.040	.253	.132	.039	.237	.126	.038	.223	.120	.036	.210	.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	.175	.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	.144	.073	.021		
10.0	.165	.079	.022	.161	.078	.022	.152	.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	.293	.293	.293	.250	.250	.250	.171	.171	.171	.098	.098	.098	.031	.031	.031		
1.0	.287	.259	.234	.245	.222	.201	.168	.153	.139	.097	.088	.081	.031	.028	.026		
2.0	.280	.236	.199	.240	.203	.172	.164	.140	.120	.095	.082	.070	.030	.026	.023		
3.0	.272	.219	.176	.233	.189	.153	.160	.131	.107	.093	.077	.063	.030	.025	.021		
4.0	.265	.206	.161	.227	.178	.140	.156	.124	.099	.090	.073	.058	.029	.024	.019		
5.0	.257	.196	.151	.221	.170	.131	.152	.119	.093	.088	.070	.055	.028	.023	.018		
6.0	.250	.188	.144	.215	.163	.125	.148	.114	.089	.086	.067	.053	.028	.022	.017		
7.0	.243	.181	.138	.209	.157	.121	.144	.110	.085	.084	.065	.051	.027	.021	.017		
8.0	.236	.176	.134	.203	.152	.117	.141	.107	.083	.082	.063	.049	.026	.021	.016		
9.0	.230	.171	.131	.198	.148	.114	.137	.104	.081	.080	.062	.048	.026	.020	.016		
10.0	.224	.167	.129	.193	.145	.112	.134	.102	.080	.078	.060	.048	.025	.020	.016		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz UTHDi:0.19% ITHDi:8.64% KDisp:0.9675Lamp Flux:4600.85x1 lm											
NAME: NU28-LC-39W-1200K-30H					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	15.1	14.1	15.5	16.0
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	16.6	17.7	18.3
8H		20.4	21.5	20.9	22.0	22.6	16.1	17.3	16.7	17.8	18.3
12H		21.1	22.2	21.7	22.7	23.3	16.2	17.2	16.7	17.8	18.4
4H 2H		15.7	17.0	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	19.2
6H		20.9	21.8	21.5	22.4	23.0	17.5	18.4	18.1	19.0	19.6
8H		21.7	22.5	22.3	23.1	23.7	17.7	18.5	18.3	19.1	19.7
12H		22.5	23.3	23.1	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		21.4	22.1	22.1	22.8	23.5	18.5	19.2	19.1	19.8	20.5
8H		22.4	23.0	23.0	23.6	24.4	18.8	19.4	19.4	20.0	20.8
12H		23.5	24.0	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	22.1	22.2	22.8	23.5	18.8	19.4	19.5	20.1	20.8
8H		22.6	23.1	23.2	23.8	24.5	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 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 4601 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.3)
Area: 0.1407 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz		
UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

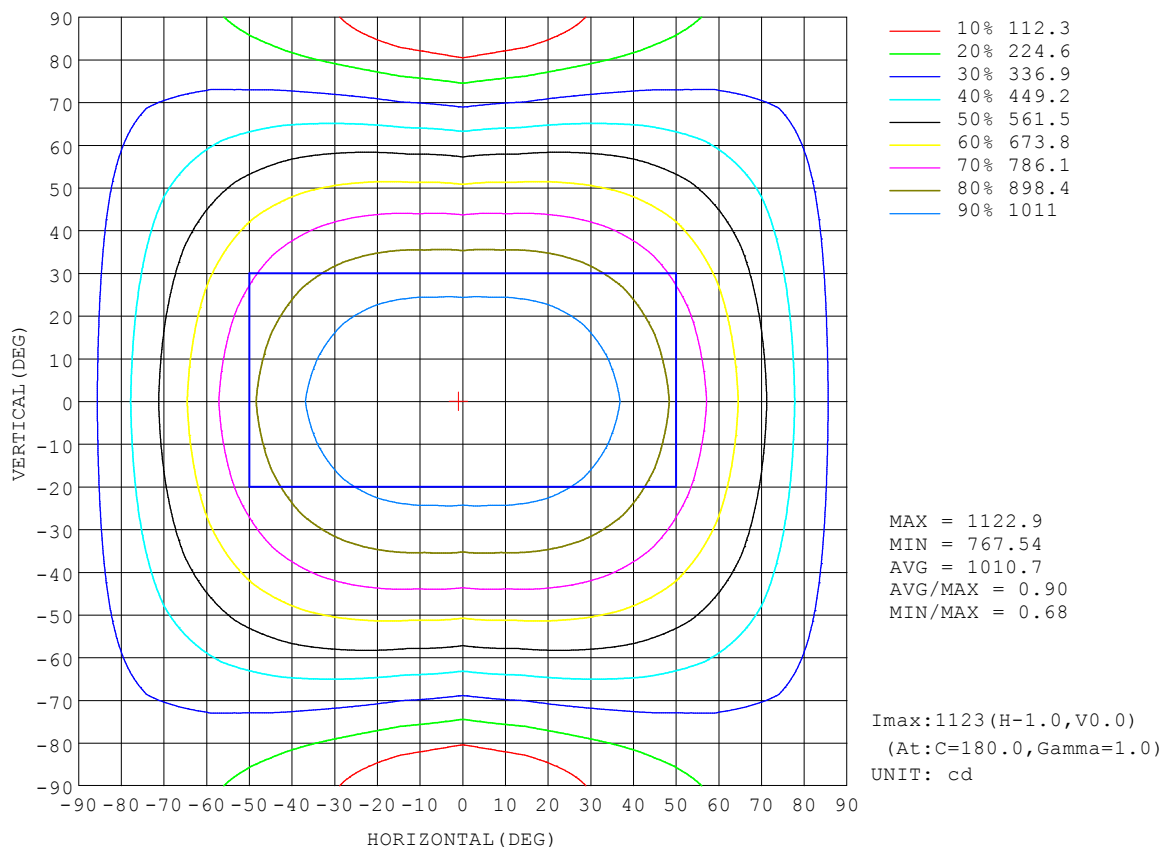
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	47	37	30	23
0.80	60	47	39	58	46	39	56	45	38	30
1.00	68	55	47	66	54	47	63	55	46	37
1.25	75	63	55	73	62	54	69	59	52	43
1.50	80	68	60	77	67	59	73	64	58	48
2.00	87	77	69	84	75	68	79	71	65	55
2.50	92	82	75	88	80	73	83	76	70	59
3.00	95	87	80	92	84	78	86	80	74	62
4.00	100	93	87	96	90	84	90	85	80	67
5.00	103	96	91	99	93	89	92	88	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: 2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

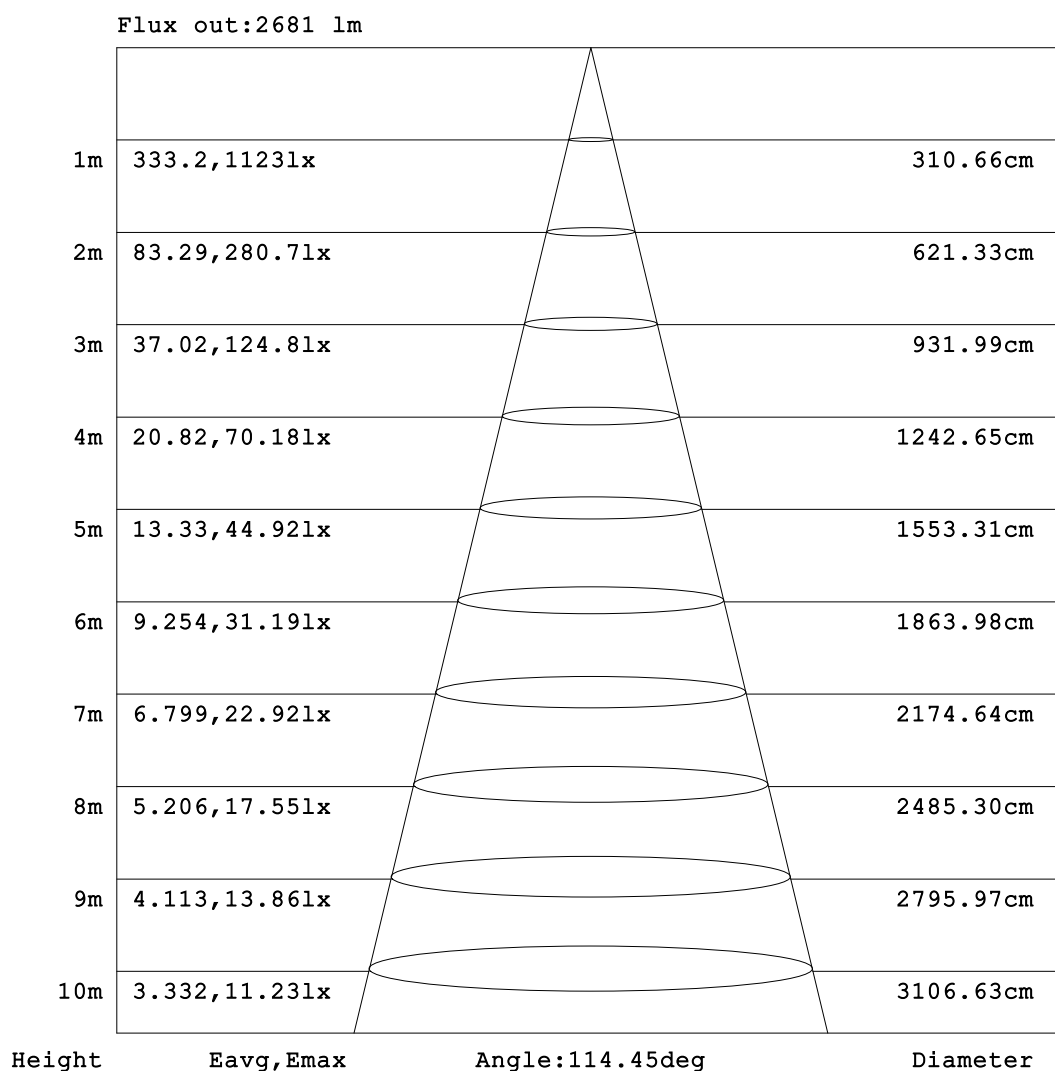


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:QC
Test Date:2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



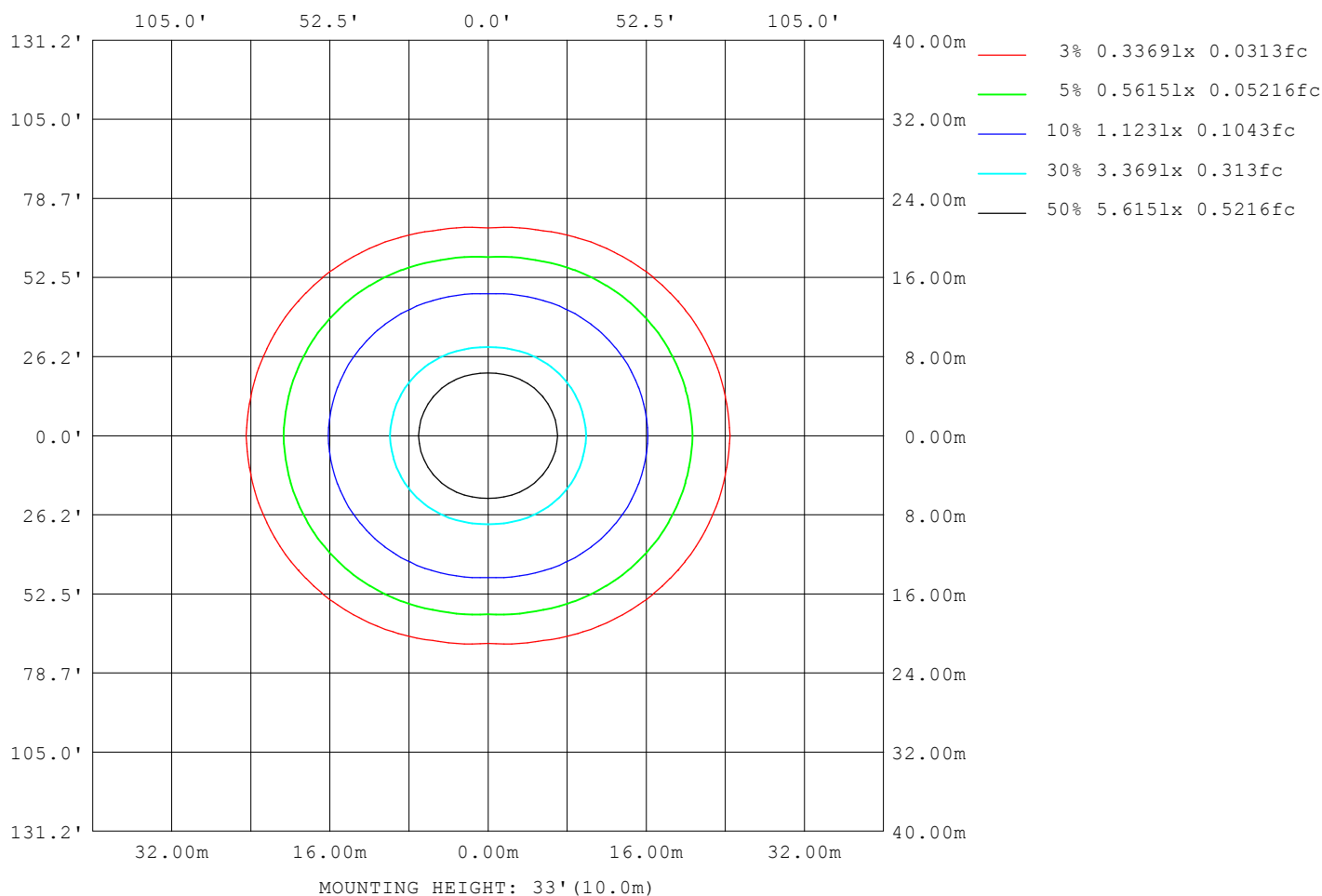
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:QC
 Test Date:2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	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:2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

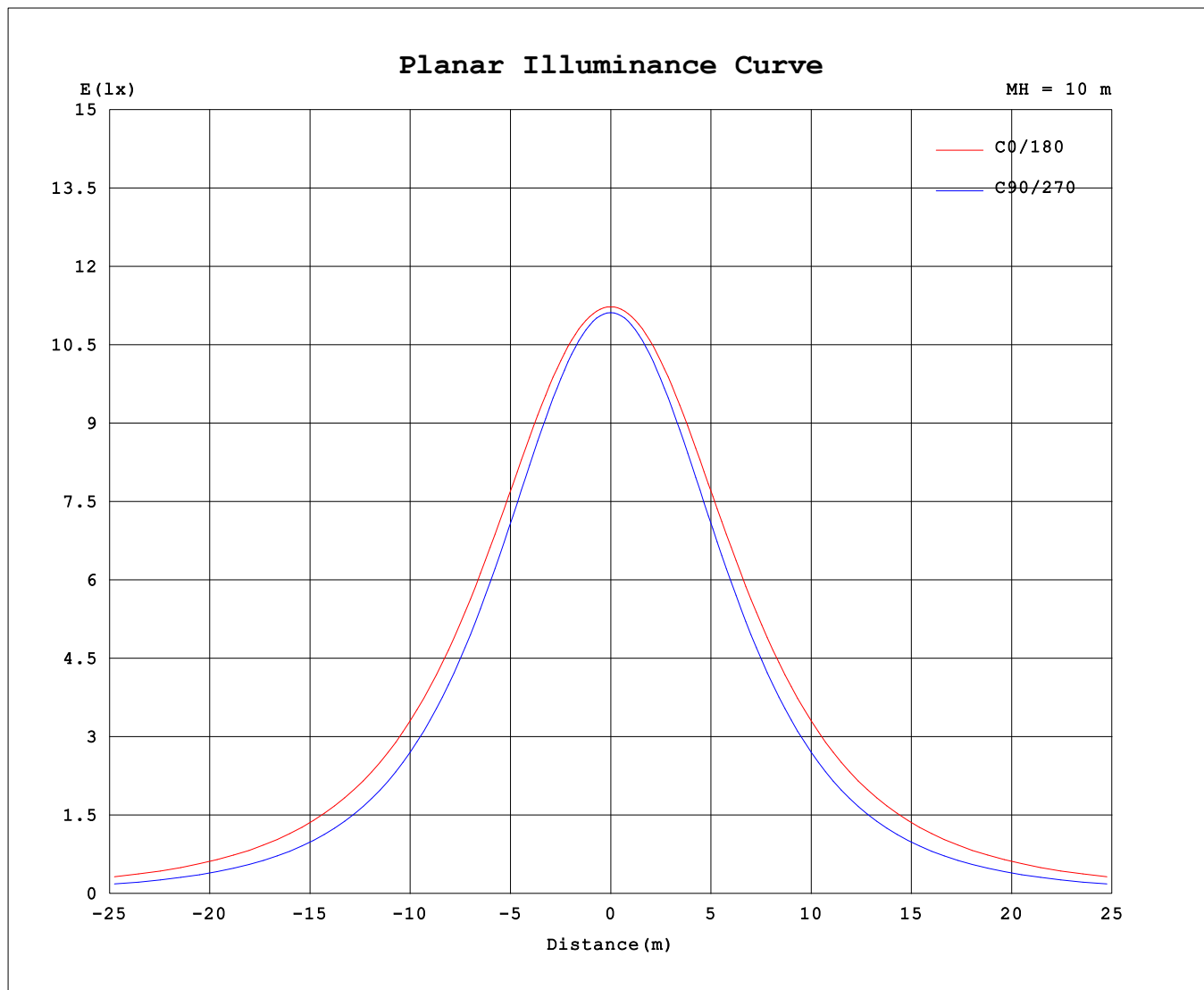
AvgL	cd/m2
L_0~180 (65) av	11118
L_0~180 (75) av	13525
L_0~180 (85) av	27849
L_90~270 (65) av	6974
L_90~270 (75) av	5897
L_90~270 (85) av	3489
L_45 (65) av	9487
L_45 (75) av	10574
L_45 (85) av	18667

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-20

☐ 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: 2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz		
UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	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	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114	1114
5	1113	1113	1113	1112	1111	1110	1110	1110	1111	1112	1113	1113	1113	1113	1113	1112	1111	1110	1110
10	1112	1111	1108	1105	1101	1098	1097	1098	1101	1105	1108	1111	1112	1111	1108	1105	1101	1098	1097
15	1106	1104	1100	1092	1084	1078	1076	1078	1084	1092	1100	1104	1106	1104	1100	1092	1084	1078	1076
20	1094	1092	1084	1073	1060	1050	1045	1050	1060	1073	1084	1092	1094	1092	1084	1073	1060	1050	1045
25	1076	1072	1062	1047	1029	1013	1007	1013	1029	1047	1062	1072	1076	1072	1062	1047	1029	1013	1007
30	1050	1045	1032	1013	990	968	959	968	990	1013	1032	1045	1050	1045	1032	1013	990	968	959
35	1017	1011	995	971	942	916	903	916	942	971	995	1011	1017	1011	995	971	942	916	903
40	976	969	950	921	887	855	839	855	887	921	950	969	976	969	950	921	887	855	839
45	928	920	897	863	824	786	767	786	824	863	897	920	928	920	897	863	824	786	767
50	872	863	837	799	754	711	688	711	754	799	837	863	872	863	837	799	754	711	688
55	809	799	770	727	677	628	603	628	677	727	770	799	809	799	770	727	677	628	603
60	738	727	695	648	594	540	511	540	594	648	695	727	738	727	695	648	594	540	511
65	661	649	615	564	506	447	415	447	506	564	615	649	661	649	615	564	506	447	415
70	578	565	529	475	413	351	315	351	413	475	529	565	578	565	529	475	413	351	315
75	493	479	441	385	320	255	215	255	320	385	441	479	493	479	441	385	320	255	215
80	410	396	357	299	232	163	120	163	232	299	357	396	410	396	357	299	232	163	120
85	342	327	288	229	159	88.1	42.8	88.1	159	229	288	327	342	327	288	229	159	88.1	42.8
90	291	277	240	184	118	49.6	7.18	49.6	118	184	240	277	291	277	240	184	118	49.6	7.18
95	257	245	211	161	103	42.8	7.91	42.8	103	161	211	245	257	245	211	161	103	42.8	7.91
100	236	225	195	150	95.2	39.9	9.16	39.9	95.2	150	195	225	236	225	195	150	95.2	39.9	9.16
105	218	209	181	139	88.4	38.1	10.5	38.1	88.4	139	181	209	218	209	181	139	88.4	38.1	10.5
110	201	192	166	128	81.6	36.4	11.8	36.4	81.6	128	166	192	201	192	166	128	81.6	36.4	11.8
115	183	174	152	118	74.6	34.8	13.1	34.8	74.6	118	152	174	183	174	152	118	74.6	34.8	13.1
120	166	159	138	105	67.1	33.5	14.5	33.5	67.1	105	138	159	166	159	138	105	67.1	33.5	14.5
125	150	143	126	93.4	61.0	32.3	15.8	32.3	61.0	93.4	126	143	150	143	126	93.4	61.0	32.3	15.8
130	134	129	112	83.2	56.1	31.1	17.2	31.1	56.1	83.2	112	129	134	129	112	83.2	56.1	31.1	17.2
135	120	115	97.8	74.0	51.7	30.2	18.5	30.2	51.7	74.0	97.8	115	120	115	97.8	74.0	51.7	30.2	18.5
140	106	102	84.4	66.0	47.4	29.6	19.9	29.6	47.4	66.0	84.4	102	106	102	84.4	66.0	47.4	29.6	19.9
145	92.8	89.3	73.2	59.0	43.5	29.1	21.0	29.1	43.5	59.0	73.2	89.3	92.8	89.3	73.2	59.0	43.5	29.1	21.0
150	80.3	76.3	63.2	52.1	40.0	28.7	22.3	28.7	40.0	52.1	63.2	76.3	80.3	76.3	63.2	52.1	40.0	28.7	22.3
155	68.4	64.1	54.9	46.0	37.1	28.3	23.2	28.3	37.1	46.0	54.9	64.1	68.4	64.1	54.9	46.0	37.1	28.3	23.2
160	57.3	51.5	46.7	40.9	34.4	27.8	24.1	27.8	34.4	40.9	46.7	51.5	57.3	51.5	46.7	40.9	34.4	27.8	24.1
165	46.7	42.4	39.4	36.1	31.7	27.3	24.9	27.3	31.7	36.1	39.4	42.4	46.7	42.4	39.4	36.1	31.7	27.3	24.9
170	37.1	34.8	33.4	31.7	29.2	26.7	25.6	26.7	29.2	31.7	33.4	34.8	37.1	34.8	33.4	31.7	29.2	26.7	25.6
175	29.6	28.9	28.7	28.0	27.1	26.3	26.0	26.3	27.1	28.0	28.7	28.9	29.6	28.9	28.7	28.0	27.1	26.3	26.0
180	25.7	26.0	25.9	26.0	26.1	26.2	26.2	26.2	26.1	26.0	25.9	26.0	25.7	26.0	25.9	26.0	26.1	26.2	26.2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-20

☐ 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:230.31V I:0.1664A P:36.900W PF:0.9627 Freq:49.99Hz		
UTHDi:0.19% ITHDi:8.64% KDisp:0.9675 Lamp Flux:4600.85x1 lm		
NAME: NU28-LC-39W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) □ (DEG)	285	300	315	330	345														
0	1114	1114	1114	1114	1114														
5	1110	1111	1112	1113	1113														
10	1098	1101	1105	1108	1111														
15	1078	1084	1092	1100	1104														
20	1050	1060	1073	1084	1092														
25	1013	1029	1047	1062	1072														
30	968	990	1013	1032	1045														
35	916	942	971	995	1011														
40	855	887	921	950	969														
45	786	824	863	897	920														
50	711	754	799	837	863														
55	628	677	727	770	799														
60	540	594	648	695	727														
65	447	506	564	615	649														
70	351	413	475	529	565														
75	255	320	385	441	479														
80	163	232	299	357	396														
85	88.1	159	229	288	327														
90	49.6	118	184	240	277														
95	42.8	103	161	211	245														
100	39.9	95.2	150	195	225														
105	38.1	88.4	139	181	209														
110	36.4	81.6	128	166	192														
115	34.8	74.6	118	152	174														
120	33.5	67.1	105	138	159														
125	32.3	61.0	93.4	126	143														
130	31.1	56.1	83.2	112	129														
135	30.2	51.7	74.0	97.8	115														
140	29.6	47.4	66.0	84.4	102														
145	29.1	43.5	59.0	73.2	89.3														
150	28.7	40.0	52.1	63.2	76.3														
155	28.3	37.1	46.0	54.9	64.1														
160	27.8	34.4	40.9	46.7	51.5														
165	27.3	31.7	36.1	39.4	42.4														
170	26.7	29.2	31.7	33.4	34.8														
175	26.3	27.1	28.0	28.7	28.9														
180	26.2	26.1	26.0	25.9	26.0														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-20

☐ 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: