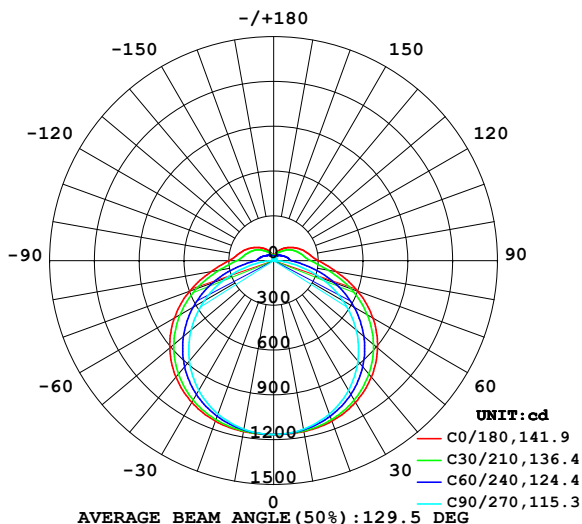


LUMINAIRE PHOTOMETRIC TEST REPORT

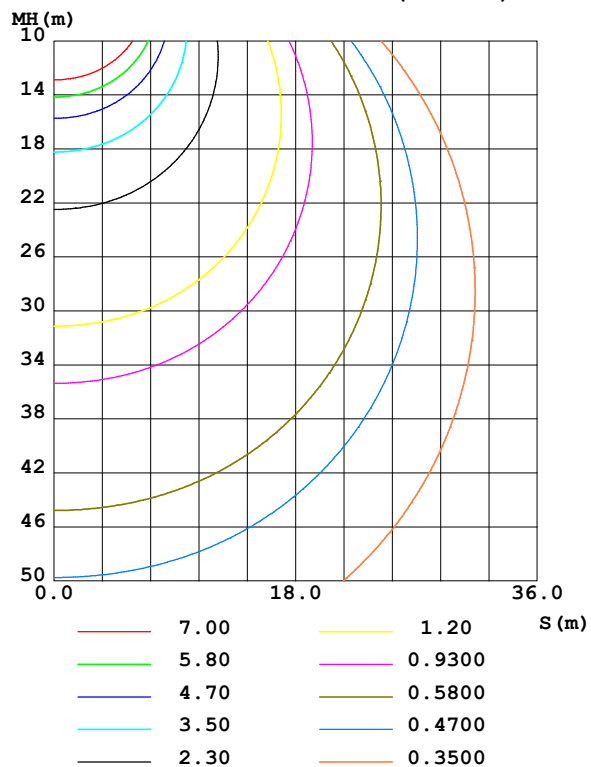
Test:U:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz		
UTHDi:0.22% ITHDi:13.14% KDisp:0.9513 Lamp Flux:4794.25x1 lm		
NAME: NU28-LC-37W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 133.84 lm/W			
MODEL	NU28	I _{max} (cd)	1165	S/MH(C0/180)	1.41
NOMINAL POWER(W)	44	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4794.2	□ UP,DN(C0-180)	6.6,43.4
NOMINAL FLUX(lm)	4794.25	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	6.6,43.4
LAMPS INSIDE	1	□ up (%)	13.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	□ down (%)	86.8	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:2022-06-24

□ 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	1163	1155	1147	1155	1163	1155	1147	1155	0- 10	110.7	110.7	2.31,2.31
20	1144	1122	1093	1122	1144	1122	1093	1122	10- 20	322.7	433.4	9.04,9.04
30	1097	1059	1004	1059	1097	1059	1004	1059	20- 30	503.7	937.1	19.5,19.5
40	1019	963.0	878.9	963.0	1019	963.0	878.9	963.0	30- 40	632.2	1569	32.7,32.7
50	909.0	834.8	721.7	834.8	909.0	834.8	721.7	834.8	40- 50	690.9	2260	47.1,47.1
60	767.9	677.4	536.8	677.4	767.9	677.4	536.8	677.4	50- 60	670.3	2930	61.1,61.1
70	599.4	496.3	330.5	496.3	599.4	496.3	330.5	496.3	60- 70	570.9	3501	73,73
80	424.8	311.7	125.0	311.7	424.8	311.7	125.0	311.7	70- 80	410.0	3911	81.6,81.6
90	301.2	191.6	6.749	191.6	301.2	191.6	6.749	191.6	80- 90	247.7	4159	86.8,86.8
100	244.2	155.5	9.316	155.5	244.2	155.5	9.316	155.5	90-100	170.8	4330	90.3,90.3
110	207.7	132.9	11.88	132.9	207.7	132.9	11.88	132.9	100-110	140.4	4470	93.2,93.2
120	172.2	105.6	14.59	105.6	172.2	105.6	14.59	105.6	110-120	111.1	4581	95.6,95.6
130	139.3	83.01	17.34	83.01	139.3	83.01	17.34	83.01	120-130	82.56	4664	97.3,97.3
140	109.6	66.38	20.25	66.38	109.6	66.38	20.25	66.38	130-140	57.63	4722	98.5,98.5
150	82.93	52.93	22.60	52.93	82.93	52.93	22.60	52.93	140-150	37.60	4759	99.3,99.3
160	58.87	42.09	24.57	42.09	58.87	42.09	24.57	42.09	150-160	21.93	4781	99.7,99.7
170	38.33	32.26	26.00	32.26	38.33	32.26	26.00	32.26	160-170	10.39	4791	99.9,99.9
180	26.74	26.38	26.68	26.38	26.74	26.38	26.68	26.38	170-180	2.811	4794	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1912.3 lm

%lum = 39.9%

%lamp = 39.9%

Conical surface Flux(130deg): 3232.9 lm

%lum = 67.4%

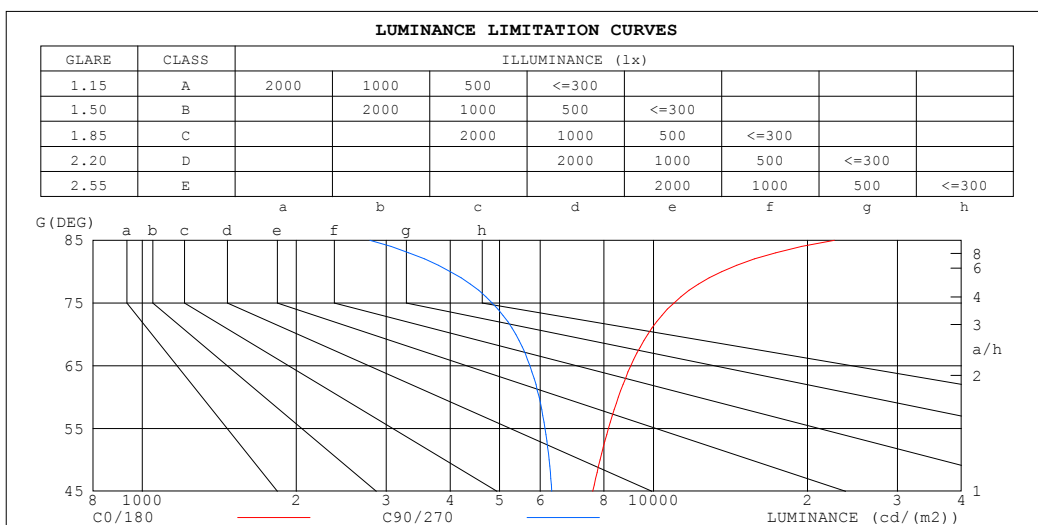
%lamp = 67.4%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-24

□ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz		
UTHDi:0.22% ITHDi:13.14% KDisp:0.9513 Lamp Flux:4794.25x1 lm		
NAME: NU28-LC-37W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	22570	2787
80	13598	4002
75	10962	4834
70	9739	5375
65	9028	5731
60	8536	5972
55	8161	6132
50	7860	6245
45	7607	6325

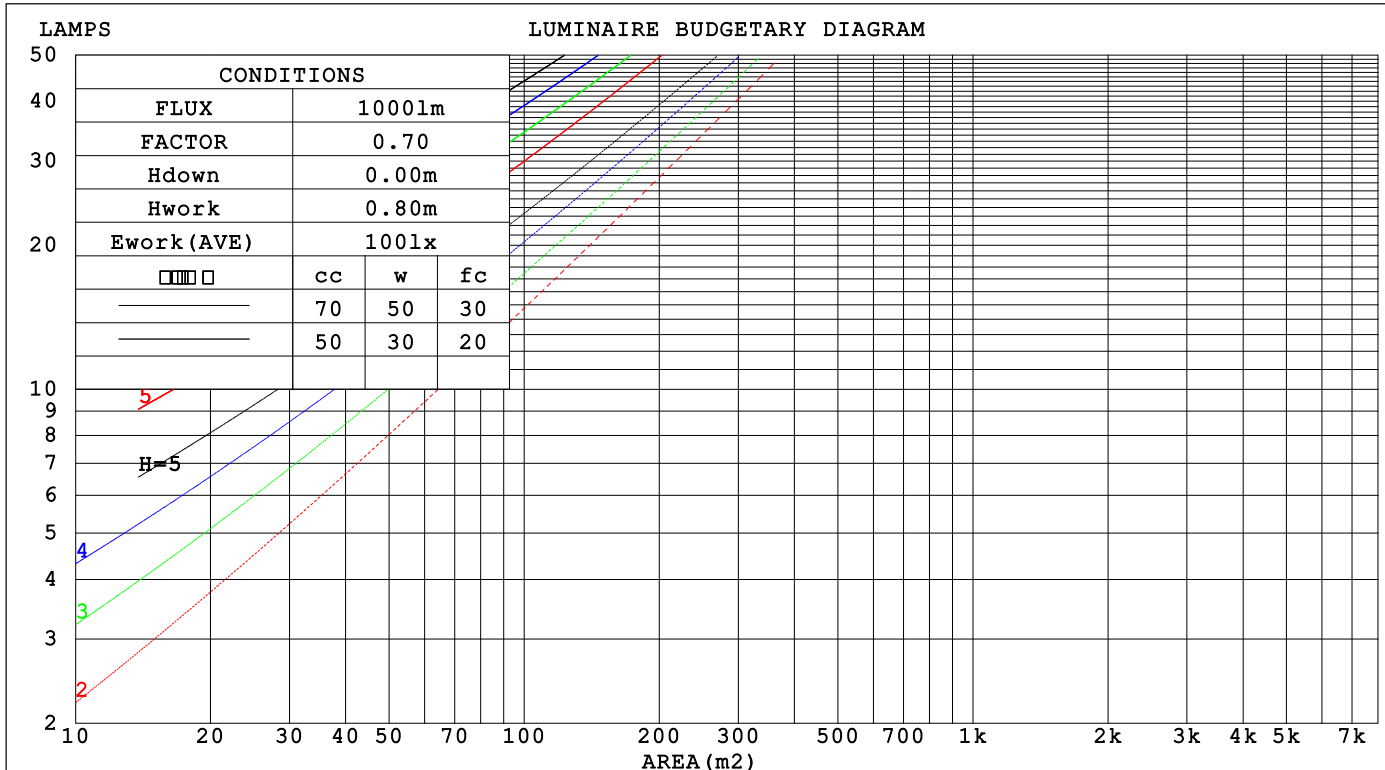
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:QC
Test Date:2022-06-24

☐ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz		
UTHDi:0.22% ITHDi:13.14% KDisp:0.9513		Lamp Flux:4794.25x1 lm
NAME: NU28-LC-37W-1500K-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															Coefficients of Utilization(CU)														
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.90	.90	.90	.87														
1.0	.98	.93	.89	.95	.90	.86	.88	.84	.81	.82	.79	.76	.76	.74	.72	.68														
2.0	.84	.77	.71	.81	.75	.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	.49	.46														
4.0	.65	.55	.48	.62	.54	.47	.58	.51	.45	.54	.48	.43	.51	.45	.41	.38														
5.0	.57	.48	.41	.55	.47	.40	.52	.44	.39	.48	.42	.37	.45	.40	.35	.33														
6.0	.51	.42	.35	.50	.41	.35	.47	.39	.33	.44	.37	.32	.41	.35	.31	.28														
7.0	.46	.37	.31	.45	.36	.30	.42	.35	.29	.40	.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	.39	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.26	.22	.20														
10.0	.35	.27	.22	.34	.27	.22	.33	.26	.21	.31	.25	.20	.29	.24	.20	.18														



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-24

□ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz			UTHDi:0.22% ITHDi:13.14% KDisp:0.9513			Lamp Flux:4794.25x1 lm		
NAME: NU28-LC-37W-1500K-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	.357	.203	.064	.346	.197	.063	.325	.186	.059	.305	.176	.057	.288	.167	.054		
2.0	.319	.175	.054	.308	.170	.052	.290	.161	.050	.272	.153	.048	.256	.145	.046		
3.0	.287	.153	.046	.278	.149	.045	.261	.142	.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	.186	.094	.027	.175	.090	.026	.165	.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	.162	.080	.023	.152	.076	.022	.144	.073	.021		
10.0	.165	.079	.022	.161	.078	.022	.152	.074	.021	.143	.071	.020	.135	.068	.020		

<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	.291	.291	.291	.249	.249	.249	.170	.170	.170	.098	.098	.098	.031	.031	.031		
1.0	.285	.258	.232	.244	.221	.200	.167	.152	.138	.096	.088	.080	.031	.028	.026		
2.0	.278	.234	.197	.238	.202	.170	.163	.140	.119	.094	.081	.070	.030	.026	.023		
3.0	.271	.217	.175	.232	.188	.152	.159	.130	.106	.092	.076	.063	.030	.025	.021		
4.0	.263	.205	.160	.226	.177	.139	.155	.123	.098	.090	.072	.058	.029	.024	.019		
5.0	.256	.195	.150	.220	.168	.130	.151	.118	.092	.088	.069	.055	.028	.023	.018		
6.0	.248	.187	.142	.214	.162	.124	.147	.113	.088	.085	.067	.052	.028	.022	.017		
7.0	.241	.180	.137	.208	.156	.119	.144	.109	.085	.083	.064	.050	.027	.021	.017		
8.0	.235	.174	.133	.202	.151	.116	.140	.106	.082	.081	.063	.049	.026	.021	.016		
9.0	.229	.170	.130	.197	.147	.113	.136	.103	.080	.080	.061	.048	.026	.020	.016		
10.0	.223	.165	.127	.192	.144	.111	.133	.101	.079	.078	.060	.047	.025	.020	.016		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-24

☐ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz UTHDi:0.22% ITHDi:13.14% KDisp:0.9513 Lamp Flux:4794.25x1 lm										
NAME: NU28-LC-37W-1500K-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	14.3	15.7	14.8	16.1	16.6	12.8	14.3	13.3	14.7	15.2
3H	16.5	17.8	17.0	18.3	18.8	14.3	15.6	14.8	16.1	16.6
4H	17.7	18.9	18.2	19.4	19.9	14.9	16.1	15.4	16.6	17.1
6H	18.9	20.0	19.4	20.5	21.1	15.3	16.4	15.8	16.9	17.5
8H	19.5	20.6	20.0	21.1	21.7	15.3	16.5	15.9	17.0	17.5
12H	20.2	21.3	20.8	21.8	22.4	15.4	16.4	15.9	17.0	17.6
4H 2H	14.9	16.1	15.4	16.6	17.1	13.8	15.0	14.3	15.5	16.0
3H	17.3	18.4	17.9	18.9	19.5	15.5	16.6	16.0	17.1	17.7
4H	18.6	19.6	19.2	20.2	20.8	16.2	17.2	16.8	17.7	18.4
6H	20.0	20.9	20.6	21.5	22.1	16.7	17.6	17.3	18.2	18.8
8H	20.8	21.6	21.4	22.2	22.8	16.9	17.7	17.5	18.3	18.9
12H	21.6	22.4	22.2	23.0	23.7	16.9	17.7	17.5	18.3	19.0
8H 4H	18.9	19.7	19.5	20.3	21.0	16.9	17.7	17.5	18.3	19.0
6H	20.6	21.2	21.2	21.9	22.6	17.7	18.4	18.3	19.0	19.7
8H	21.5	22.1	22.1	22.8	23.5	18.0	18.6	18.6	19.2	19.9
12H	22.6	23.1	23.3	23.8	24.6	18.2	18.7	18.8	19.4	20.1
12H 4H	18.9	19.7	19.5	20.3	21.0	17.1	17.8	17.7	18.4	19.1
6H	20.6	21.3	21.3	21.9	22.6	18.0	18.6	18.7	19.3	20.0
8H	21.7	22.2	22.3	22.9	23.6	18.4	19.0	19.1	19.6	20.4
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, 4794 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.4)
Area: 0.1797 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-24

☐ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz		
UTHDi:0.22% ITHDi:13.14% KDisp:0.9513 Lamp Flux:4794.25x1 lm		
NAME: NU28-LC-37W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

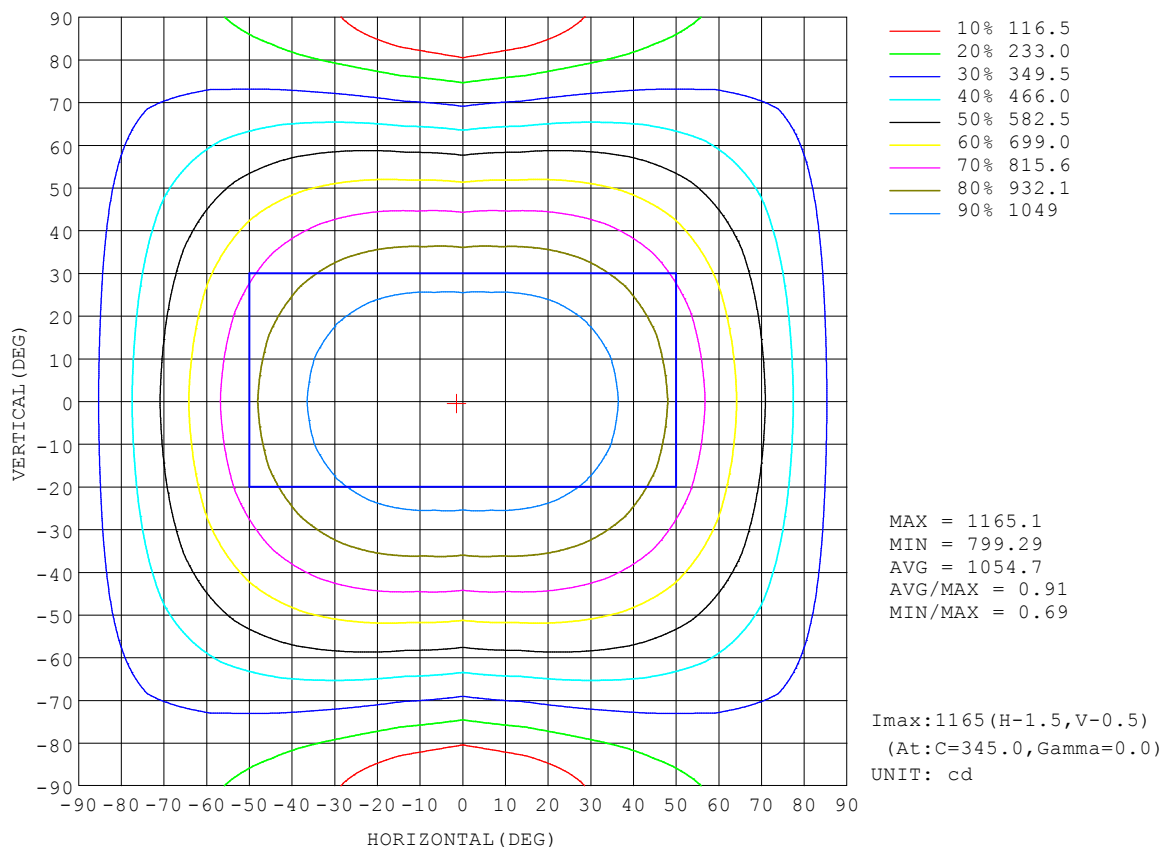
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	47	37	30	23
0.80	60	47	39	58	46	39	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	53	43
1.50	80	69	60	78	67	59	73	64	58	48
2.00	87	77	69	84	75	68	79	72	65	55
2.50	92	82	75	89	80	73	83	76	70	59
3.00	95	87	80	92	84	78	86	80	75	63
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: 2022-06-24

☐ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz		
UTHDi:0.22% ITHDi:13.14% KDisp:0.9513 Lamp Flux:4794.25x1 lm		
NAME: NU28-LC-37W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

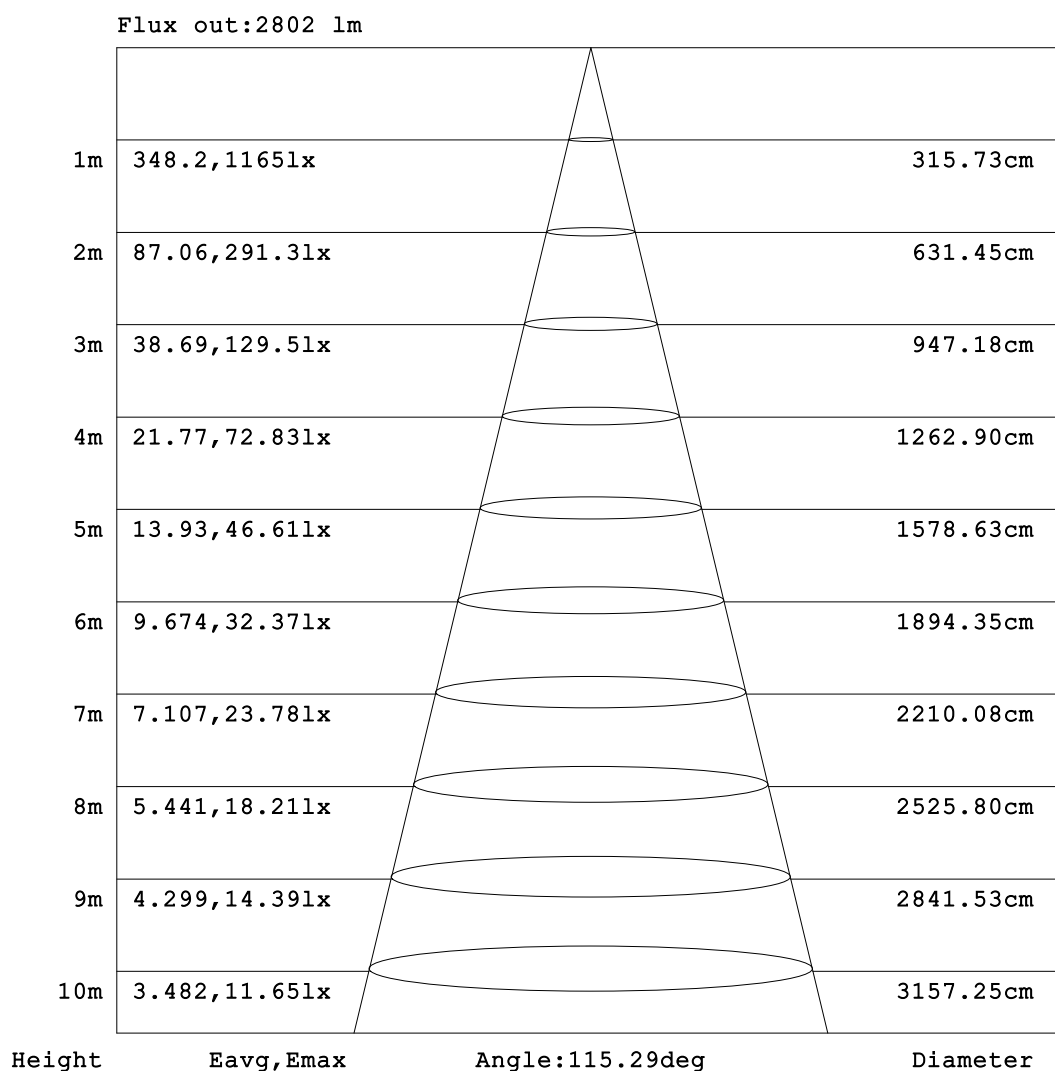


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: QC
Test Date: 2022-06-24

☐ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz		
UTHDi:0.22% ITHDi:13.14% KDisp:0.9513 Lamp Flux:4794.25x1 lm		
NAME: NU28-LC-37W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



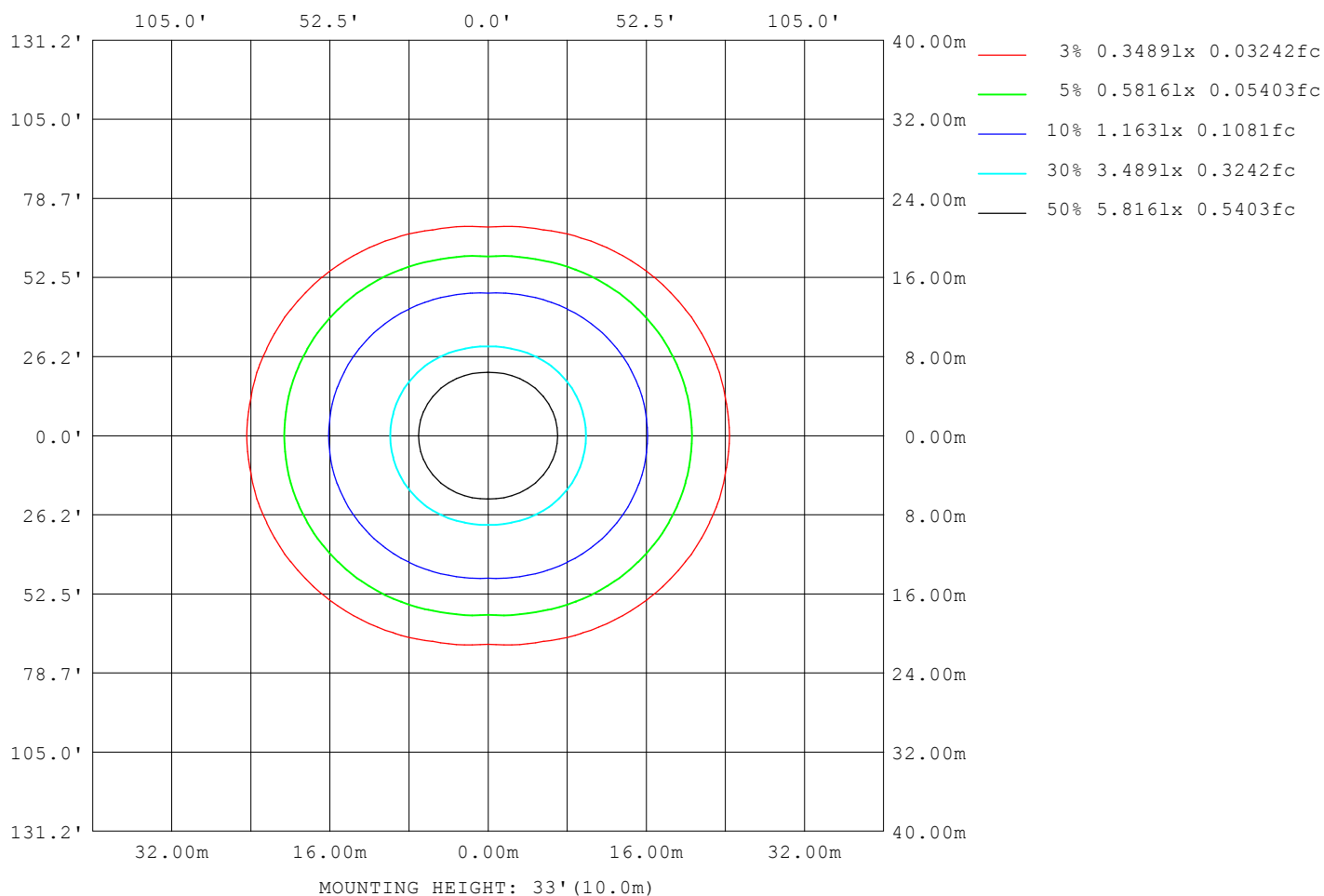
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-24

☐ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz UTHDi:0.22% ITHDi:13.14% KDisp:0.9513 Lamp Flux:4794.25x1 lm		
NAME: NU28-LC-37W-1500K-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:2022-06-24

☐ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz		
UTHDi:0.22% ITHDi:13.14% KDisp:0.9513 Lamp Flux:4794.25x1 lm		
NAME: NU28-LC-37W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

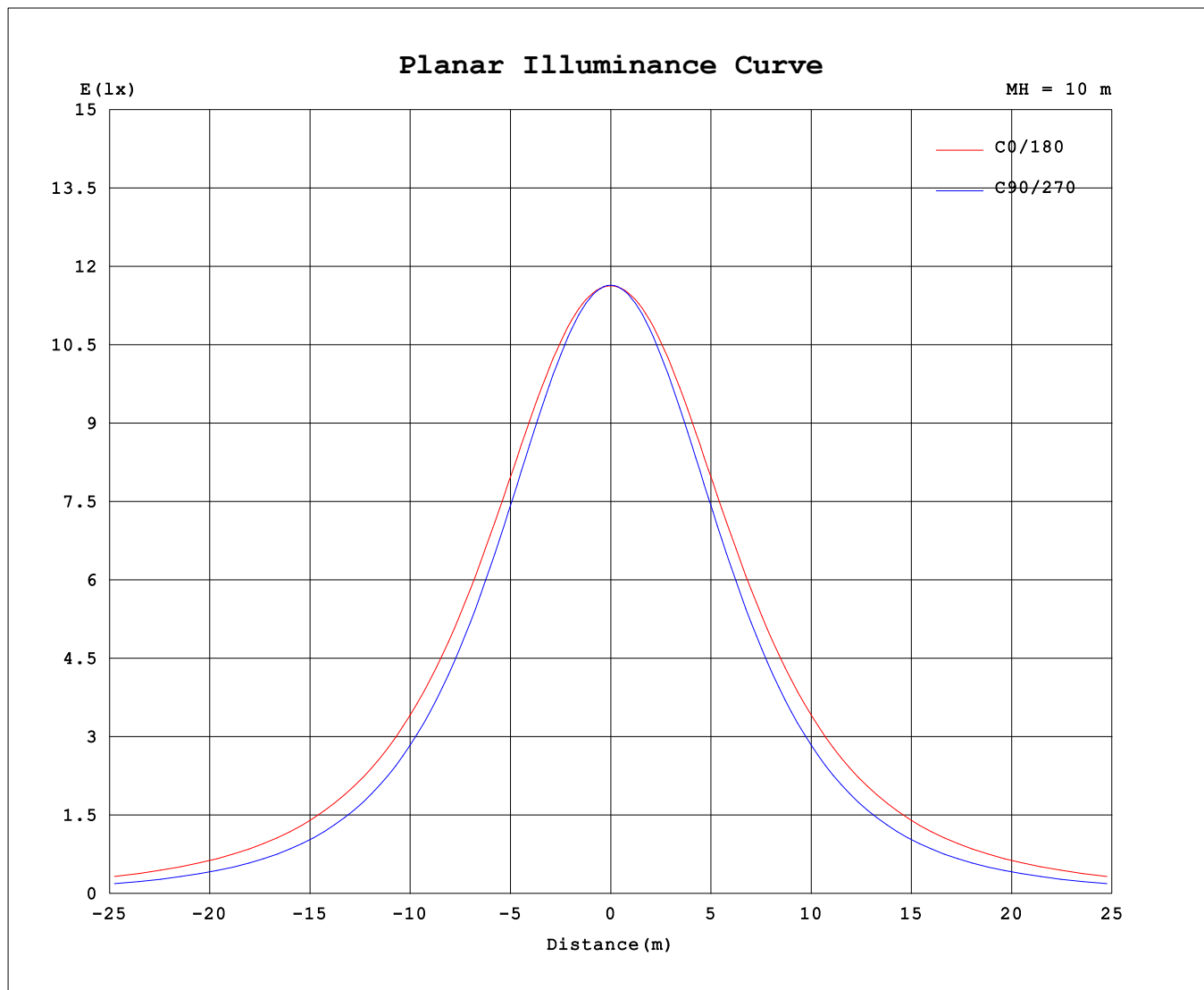
AvgL	cd/m2
L_0~180 (65) av	9039
L_0~180 (75) av	10975
L_0~180 (85) av	22598
L_90~270 (65) av	5734
L_90~270 (75) av	4837
L_90~270 (85) av	2788
L_45 (65) av	7757
L_45 (75) av	8638
L_45 (85) av	15243

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-24

☐ 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: 2022-06-24

☐ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz		
UTHDi:0.22% ITHDi:13.14% KDisp:0.9513		Lamp Flux:4794.25x1 lm
NAME: NU28-LC-37W-1500K-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	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165	1165
5	1164	1164	1163	1162	1161	1160	1160	1160	1161	1162	1163	1164	1164	1164	1163	1162	1161	1160	1160
10	1163	1162	1159	1155	1151	1148	1147	1148	1151	1155	1159	1162	1163	1162	1159	1155	1151	1148	1147
15	1156	1155	1150	1142	1134	1127	1125	1127	1134	1142	1150	1155	1156	1155	1150	1142	1134	1127	1125
20	1144	1141	1134	1122	1109	1098	1093	1098	1109	1122	1134	1141	1144	1141	1134	1122	1109	1098	1093
25	1124	1120	1110	1095	1076	1060	1053	1060	1076	1095	1110	1120	1124	1120	1110	1095	1076	1060	1053
30	1097	1092	1079	1059	1035	1014	1004	1014	1035	1059	1079	1092	1097	1092	1079	1059	1035	1014	1004
35	1062	1056	1040	1015	986	959	945	959	986	1015	1040	1056	1062	1056	1040	1015	986	959	945
40	1019	1012	992	963	928	895	879	895	928	963	992	1012	1019	1012	992	963	928	895	879
45	968	959	937	903	863	824	804	824	863	903	937	959	968	959	937	903	863	824	804
50	909	899	873	835	789	745	722	745	789	835	873	899	909	899	873	835	789	745	722
55	842	831	803	760	709	660	632	660	709	760	803	831	842	831	803	760	709	660	632
60	768	756	724	677	622	568	537	568	622	677	724	756	768	756	724	677	622	568	537
65	687	674	640	589	530	470	435	470	530	589	640	674	687	674	640	589	530	470	435
70	599	586	550	496	433	369	331	369	433	496	550	586	599	586	550	496	433	369	331
75	510	496	458	402	336	267	225	267	336	402	458	496	510	496	458	402	336	267	225
80	425	410	370	312	243	171	125	171	243	312	370	410	425	410	370	312	243	171	125
85	354	339	299	239	167	92.4	43.7	92.4	167	239	299	339	354	339	299	239	167	92.4	43.7
90	301	287	249	192	123	52.1	6.75	52.1	123	192	249	287	301	287	249	192	123	52.1	6.75
95	266	253	219	168	107	44.9	7.88	44.9	107	168	219	253	266	253	219	168	107	44.9	7.88
100	244	233	202	155	99.4	41.7	9.32	41.7	99.4	155	202	233	244	233	202	155	99.4	41.7	9.32
105	226	215	187	144	92.1	39.3	10.7	39.3	92.1	144	187	215	226	215	187	144	92.1	39.3	10.7
110	208	198	172	133	83.5	36.9	11.9	36.9	83.5	133	172	198	208	198	172	133	83.5	36.9	11.9
115	190	181	158	121	74.8	35.2	13.2	35.2	74.8	121	158	181	190	181	158	121	74.8	35.2	13.2
120	172	164	144	106	67.2	33.7	14.6	33.7	67.2	106	144	164	172	164	144	106	67.2	33.7	14.6
125	155	148	130	92.3	61.2	32.6	16.0	32.6	61.2	92.3	130	148	155	148	130	92.3	61.2	32.6	16.0
130	139	133	113	83.0	56.3	31.5	17.3	31.5	56.3	83.0	113	133	139	133	113	83.0	56.3	31.5	17.3
135	124	119	96.8	74.3	51.9	30.7	18.8	30.7	51.9	74.3	96.8	119	124	119	96.8	74.3	51.9	30.7	18.8
140	110	105	83.2	66.4	47.6	30.2	20.2	30.2	47.6	66.4	83.2	105	110	105	83.2	66.4	47.6	30.2	20.2
145	95.9	91.7	73.4	59.3	44.3	29.9	21.5	29.9	44.3	59.3	73.4	91.7	95.9	91.7	73.4	59.3	44.3	29.9	21.5
150	82.9	78.3	65.1	52.9	41.4	29.4	22.6	29.4	41.4	52.9	65.1	78.3	82.9	78.3	65.1	52.9	41.4	29.4	22.6
155	70.6	63.4	56.4	47.3	38.3	28.9	23.6	28.9	38.3	47.3	56.4	63.4	70.6	63.4	56.4	47.3	38.3	28.9	23.6
160	58.9	51.4	47.8	42.1	35.2	28.4	24.6	28.4	35.2	42.1	47.8	51.4	58.9	51.4	47.8	42.1	35.2	28.4	24.6
165	48.0	42.2	40.2	36.9	32.3	27.9	25.4	27.9	32.3	36.9	40.2	42.2	48.0	42.2	40.2	36.9	32.3	27.9	25.4
170	38.3	34.8	34.1	32.3	29.8	27.3	26.0	27.3	29.8	32.3	34.1	34.8	38.3	34.8	34.1	32.3	29.8	27.3	26.0
175	30.5	29.2	29.0	28.5	27.7	26.9	26.5	26.9	27.7	28.5	29.0	29.2	30.5	29.2	29.0	28.5	27.7	26.9	26.5
180	26.7	26.2	26.2	26.4	26.6	26.7	26.7	26.7	26.6	26.4	26.2	26.2	26.7	26.2	26.2	26.4	26.6	26.7	26.7

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:QC

Test Date:2022-06-24

□ 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:230.43V I:0.1646A P:35.820W PF:0.9444 Freq:49.99Hz		
UTHDi:0.22% ITHDi:13.14% KDisp:0.9513		Lamp Flux:4794.25x1 lm
NAME: NU28-LC-37W-1500K-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	1165	1165	1165	1165	1165													
5	1160	1161	1162	1163	1164													
10	1148	1151	1155	1159	1162													
15	1127	1134	1142	1150	1155													
20	1098	1109	1122	1134	1141													
25	1060	1076	1095	1110	1120													
30	1014	1035	1059	1079	1092													
35	959	986	1015	1040	1056													
40	895	928	963	992	1012													
45	824	863	903	937	959													
50	745	789	835	873	899													
55	660	709	760	803	831													
60	568	622	677	724	756													
65	470	530	589	640	674													
70	369	433	496	550	586													
75	267	336	402	458	496													
80	171	243	312	370	410													
85	92.4	167	239	299	339													
90	52.1	123	192	249	287													
95	44.9	107	168	219	253													
100	41.7	99.4	155	202	233													
105	39.3	92.1	144	187	215													
110	36.9	83.5	133	172	198													
115	35.2	74.8	121	158	181													
120	33.7	67.2	106	144	164													
125	32.6	61.2	92.3	130	148													
130	31.5	56.3	83.0	113	133													
135	30.7	51.9	74.3	96.8	119													
140	30.2	47.6	66.4	83.2	105													
145	29.9	44.3	59.3	73.4	91.7													
150	29.4	41.4	52.9	65.1	78.3													
155	28.9	38.3	47.3	56.4	63.4													
160	28.4	35.2	42.1	47.8	51.4													
165	27.9	32.3	36.9	40.2	42.2													
170	27.3	29.8	32.3	34.1	34.8													
175	26.9	27.7	28.5	29.0	29.2													
180	26.7	26.6	26.4	26.2	26.2													

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:QC
Test Date:2022-06-24

☐ 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: