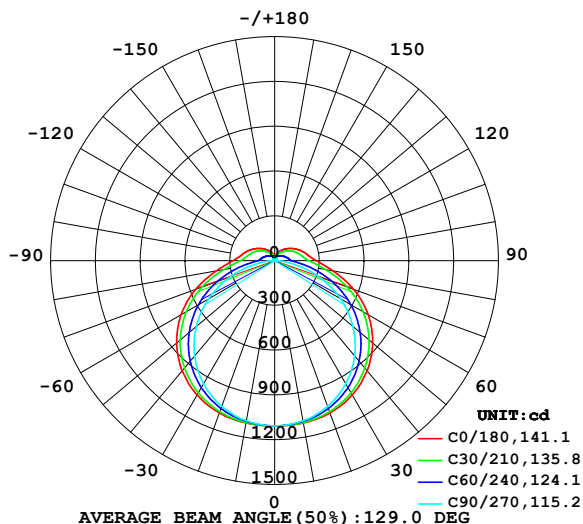


## LUMINAIRE PHOTOMETRIC TEST REPORT

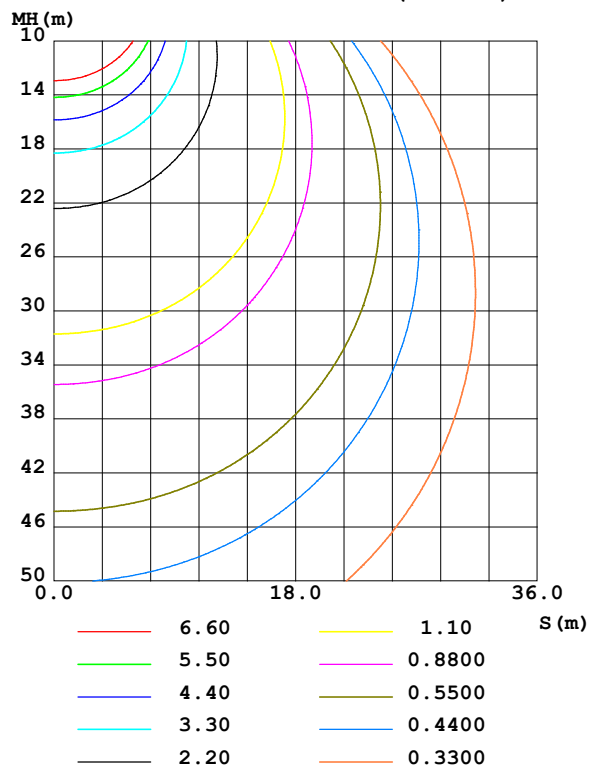
Test:U:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472 Lamp Flux:4520.84x1 lm		
NAME: NU28-LC-37W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 128.07 lm/W			
MODEL	NU28	I <sub>max</sub> (cd)	1107	S/MH(C0/180)	1.40
NOMINAL POWER(W)	37	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4520.8	□ UP,DN(C0-180)	6.5,43.5
NOMINAL FLUX(lm)	4520.84	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	6.5,43.5
LAMPS INSIDE	1	□ up (%)	13.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	□ down (%)	87.0	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:2022-06-22

□ 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	1105	1098	1090	1098	1105	1098	1090	1098	0- 10	105.2	105.2	2.33,2.33
20	1085	1066	1038	1066	1085	1066	1038	1066	10- 20	306.5	411.8	9.11,9.11
30	1039	1005	953.1	1005	1039	1005	953.1	1005	20- 30	478.1	889.9	19.7,19.7
40	963.5	912.4	834.3	912.4	963.5	912.4	834.3	912.4	30- 40	599.4	1489	32.9,32.9
50	858.1	790.0	684.9	790.0	858.1	790.0	684.9	790.0	40- 50	654.2	2144	47.4,47.4
60	723.4	640.0	509.3	640.0	723.4	640.0	509.3	640.0	50- 60	633.8	2777	61.4,61.4
70	562.7	467.4	313.8	467.4	562.7	467.4	313.8	467.4	60- 70	538.7	3316	73.4,73.4
80	396.6	292.0	118.7	292.0	396.6	292.0	118.7	292.0	70- 80	385.5	3702	81.9,81.9
90	279.3	177.9	6.293	177.9	279.3	177.9	6.293	177.9	80- 90	231.0	3933	87,87
100	226.0	144.0	8.834	144.0	226.0	144.0	8.834	144.0	90-100	158.3	4091	90.5,90.5
110	192.0	122.9	11.34	122.9	192.0	122.9	11.34	122.9	100-110	130.0	4221	93.4,93.4
120	159.0	97.77	13.95	97.77	159.0	97.77	13.95	97.77	110-120	102.7	4324	95.6,95.6
130	128.5	77.76	16.63	77.76	128.5	77.76	16.63	77.76	120-130	76.38	4400	97.3,97.3
140	101.0	62.20	19.36	62.20	101.0	62.20	19.36	62.20	130-140	53.42	4453	98.5,98.5
150	76.31	49.06	21.82	49.06	76.31	49.06	21.82	49.06	140-150	34.86	4488	99.3,99.3
160	54.31	38.91	23.83	38.91	54.31	38.91	23.83	38.91	150-160	20.33	4509	99.7,99.7
170	35.41	29.96	25.37	29.96	35.41	29.96	25.37	29.96	160-170	9.663	4518	99.9,99.9
180	26.05	25.76	26.11	25.76	26.05	25.76	26.11	25.76	170-180	2.646	4521	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1814.1 lm

%lum = 40.1%

%lamp = 40.1%

Conical surface Flux(130deg): 3062.9 lm

%lum = 67.8%

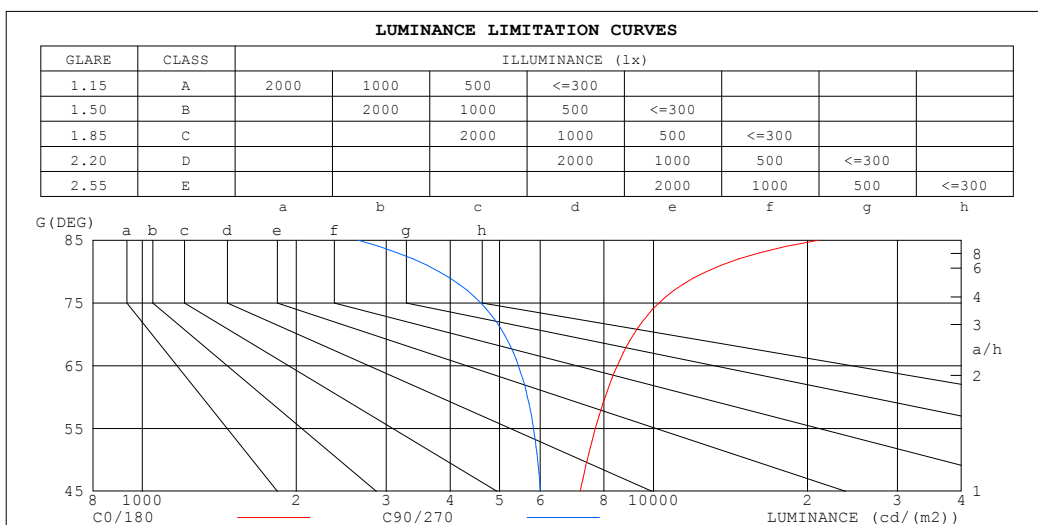
%lamp = 67.8%

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3℃  
 Operators:QC  
 Test Date:2022-06-22

□ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472 Lamp Flux:4520.84x1 lm		
NAME: NU28-LC-37W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	20980	2646
80	12693	3804
75	10253	4594
70	9144	5106
65	8490	5440
60	8040	5669
55	7695	5823
50	7419	5931
45	7189	6008

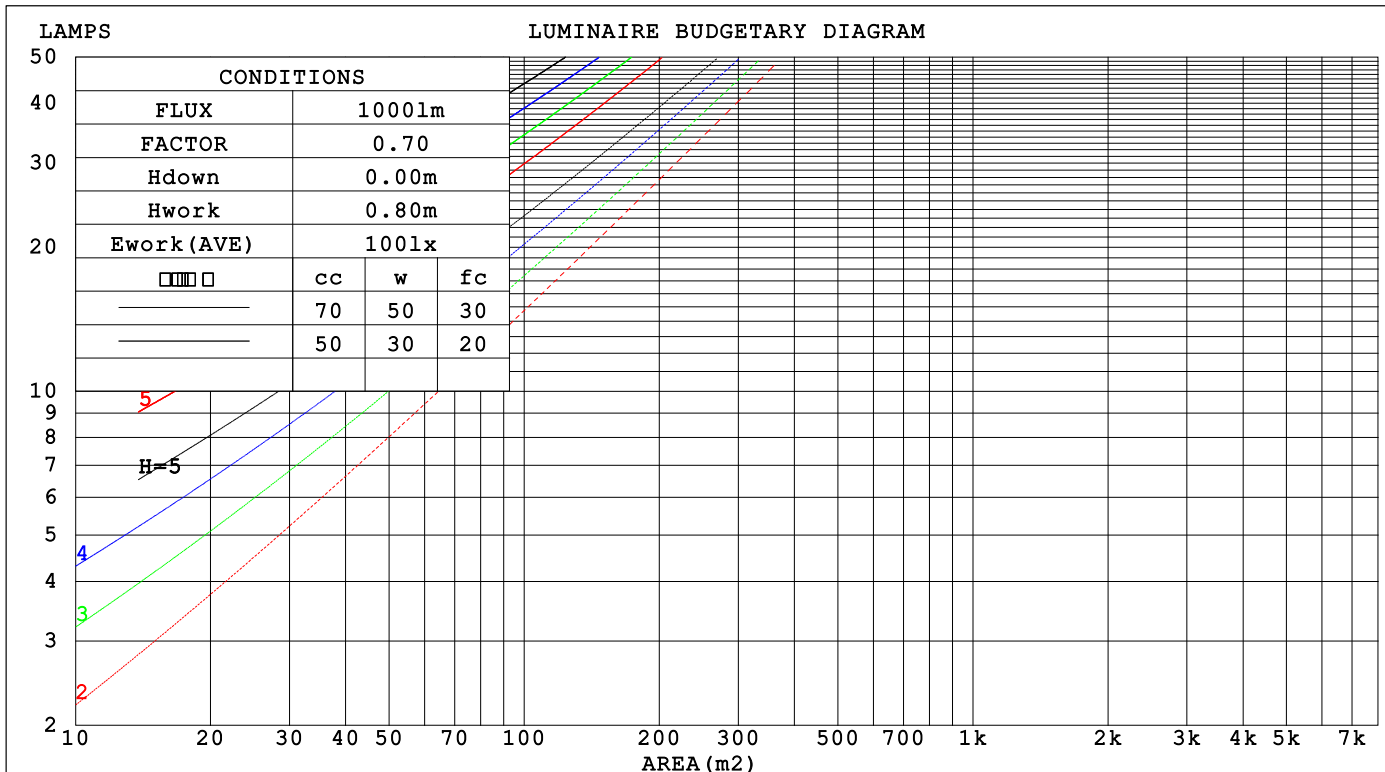
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2022-06-22

☐ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472		Lamp Flux:4520.84x1 lm
NAME: NU28-LC-37W-1500K-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	.97	.97	.97	.90	.90	.90	.87														
1.0	.98	.93	.89	.95	.90	.86	.88	.84	.81	.82	.79	.76	.76	.74	.72	.69														
2.0	.85	.77	.71	.82	.75	.69	.76	.70	.65	.71	.66	.62	.66	.62	.59	.56														
3.0	.74	.65	.58	.71	.63	.56	.66	.59	.54	.62	.56	.51	.57	.53	.49	.46														
4.0	.65	.55	.48	.62	.54	.47	.58	.51	.45	.54	.48	.43	.51	.46	.41	.39														
5.0	.57	.48	.41	.56	.47	.40	.52	.44	.39	.49	.42	.37	.45	.40	.35	.33														
6.0	.51	.42	.36	.50	.41	.35	.47	.39	.34	.44	.37	.32	.41	.35	.31	.29														
7.0	.46	.37	.31	.45	.37	.31	.42	.35	.29	.40	.33	.28	.37	.32	.27	.25														
8.0	.42	.33	.28	.41	.33	.27	.39	.31	.26	.36	.30	.25	.34	.28	.24	.22														
9.0	.39	.30	.25	.37	.30	.24	.35	.28	.23	.33	.27	.23	.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:2022-06-22

□ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472		Lamp Flux:4520.84x1 lm
NAME: NU28-LC-37W-1500K-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	.356 .202 .064	.345 .197 .062	.324 .186 .059	.305 .176 .056	.287 .166 .054	
2.0	.318 .174 .053	.308 .170 .052	.289 .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 .031	.213 .108 .031	.200 .103 .030	.189 .098 .029	.178 .093 .028	
7.0	.203 .100 .028	.197 .098 .028	.186 .094 .027	.175 .090 .026	.165 .086 .025	
8.0	.189 .092 .026	.183 .090 .026	.173 .086 .025	.163 .083 .024	.154 .079 .023	
9.0	.176 .085 .024	.171 .083 .023	.162 .080 .023	.153 .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	.290 .290 .290	.248 .248 .248	.169 .169 .169	.097 .097 .097	.031 .031 .031	
1.0	.283 .256 .231	.243 .219 .199	.166 .151 .137	.095 .087 .080	.031 .028 .026	
2.0	.276 .232 .195	.237 .200 .169	.162 .138 .118	.094 .081 .069	.030 .026 .023	
3.0	.269 .216 .173	.231 .186 .150	.158 .129 .105	.091 .075 .062	.029 .024 .020	
4.0	.261 .203 .158	.224 .175 .137	.154 .122 .097	.089 .072 .057	.029 .023 .019	
5.0	.254 .193 .148	.218 .167 .129	.150 .117 .091	.087 .068 .054	.028 .022 .018	
6.0	.247 .185 .141	.212 .160 .122	.146 .112 .087	.085 .066 .051	.027 .022 .017	
7.0	.240 .178 .135	.206 .154 .118	.142 .108 .083	.083 .064 .050	.027 .021 .016	
8.0	.233 .173 .131	.201 .150 .114	.139 .105 .081	.081 .062 .048	.026 .020 .016	
9.0	.227 .168 .128	.195 .146 .112	.135 .102 .079	.079 .060 .047	.026 .020 .016	
10.0	.221 .164 .125	.191 .142 .109	.132 .100 .078	.077 .059 .046	.025 .019 .015	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-22

☐ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz UTHDi:0.23% ITHDi:12.54% KDisp:0.9472 Lamp Flux:4520.84x1 lm										
NAME: NU28-LC-37W-1500K-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	14.3	15.7	14.8	16.2	16.6	12.9	14.3	13.3	14.7	15.2
3H	16.5	17.8	17.0	18.3	18.8	14.4	15.7	14.9	16.1	16.6
4H	17.7	18.9	18.2	19.4	19.9	14.9	16.2	15.4	16.6	17.2
6H	18.8	20.0	19.3	20.5	21.0	15.3	16.5	15.8	17.0	17.5
8H	19.5	20.6	20.0	21.1	21.7	15.4	16.5	15.9	17.0	17.6
12H	20.2	21.2	20.7	21.8	22.3	15.4	16.5	15.9	17.0	17.6
4H 2H	14.9	16.1	15.4	16.6	17.1	13.8	15.1	14.3	15.5	16.1
3H	17.3	18.4	17.9	18.9	19.5	15.5	16.6	16.1	17.1	17.7
4H	18.6	19.6	19.2	20.2	20.8	16.2	17.2	16.8	17.8	18.4
6H	20.0	20.9	20.6	21.4	22.1	16.7	17.6	17.3	18.2	18.8
8H	20.7	21.6	21.3	22.1	22.8	16.9	17.7	17.5	18.3	19.0
12H	21.6	22.3	22.2	22.9	23.6	17.0	17.7	17.6	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	20.5	21.2	21.2	21.8	22.5	17.7	18.4	18.3	19.0	19.7
8H	21.5	22.1	22.1	22.7	23.4	18.0	18.6	18.6	19.2	20.0
12H	22.6	23.1	23.2	23.7	24.5	18.2	18.7	18.8	19.4	20.1
12H 4H	18.9	19.7	19.5	20.3	20.9	17.1	17.8	17.7	18.4	19.1
6H	20.6	21.2	21.3	21.9	22.6	18.0	18.6	18.7	19.3	20.0
8H	21.6	22.2	22.3	22.8	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, 4521 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.2)  
Area: 0.1797 m2

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-22

☐ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472 Lamp Flux:4520.84x1 lm		
NAME: NU28-LC-37W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

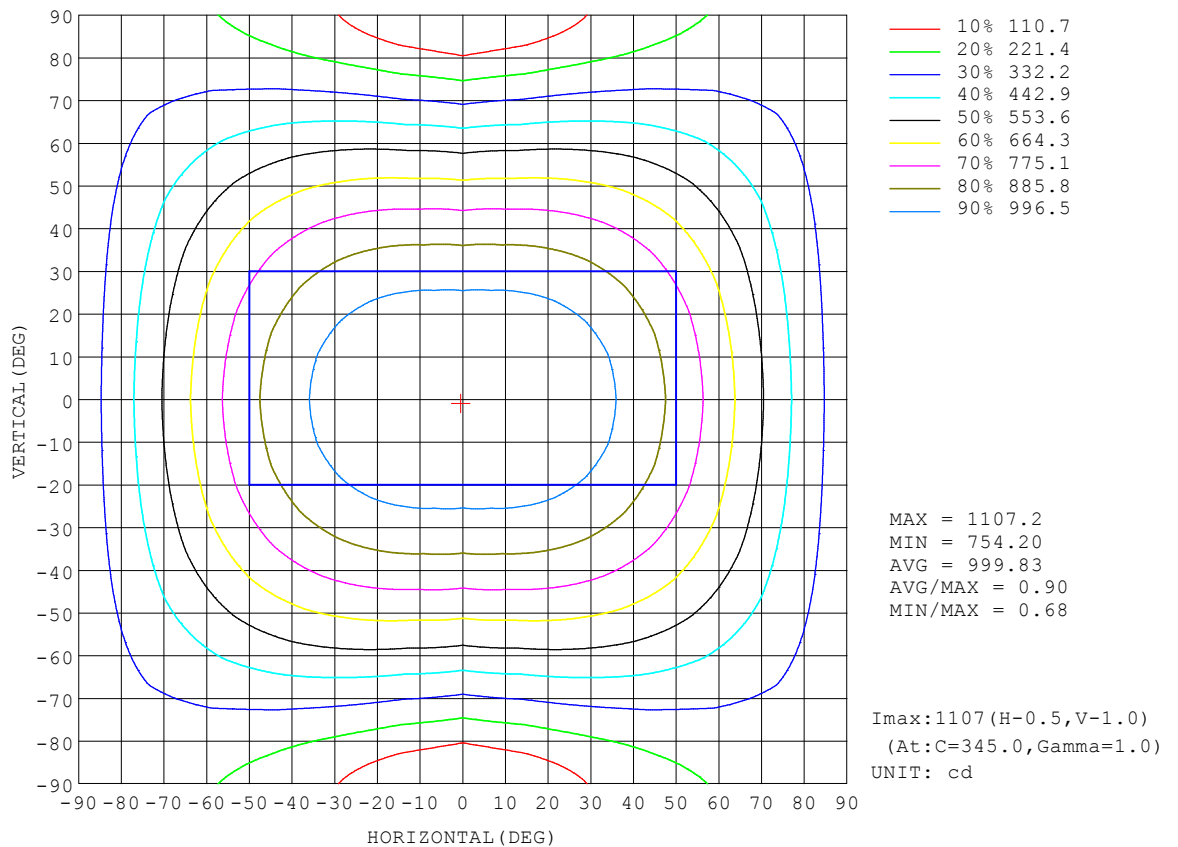
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	48	37	30	24
0.80	60	47	39	58	47	39	56	45	38	31
1.00	68	56	48	66	55	47	63	55	46	38
1.25	75	63	55	73	62	54	69	60	53	44
1.50	80	69	61	78	67	60	73	64	58	48
2.00	87	77	69	85	75	68	79	72	66	55
2.50	92	82	75	89	80	74	83	76	70	59
3.00	95	87	80	92	85	78	86	80	75	63
4.00	100	93	87	96	90	85	90	85	80	68
5.00	103	97	91	99	94	89	92	88	84	71
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: 2022-06-22

☐ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472 Lamp Flux:4520.84x1 lm		
NAME: NU28-LC-37W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



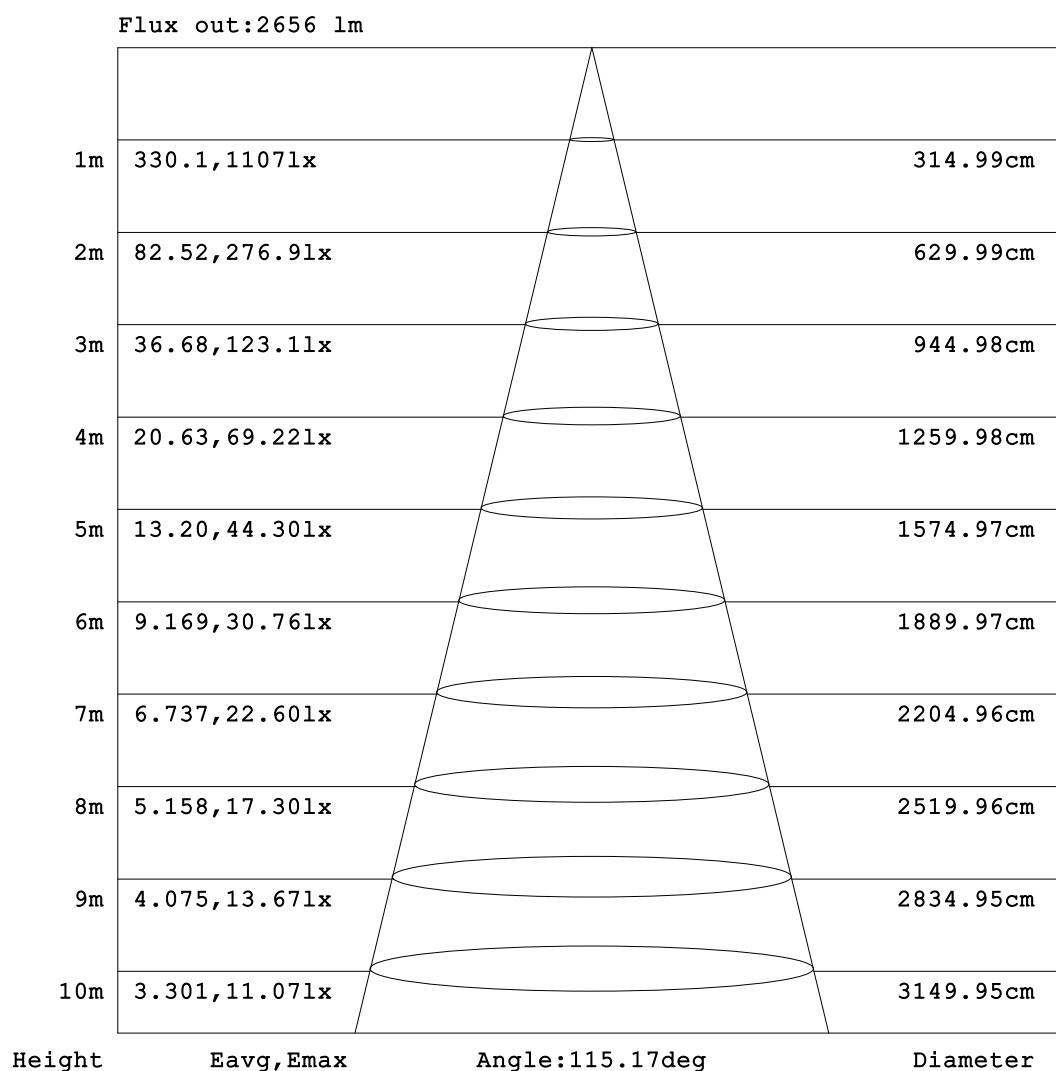
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:QC  
 Test Date:2022-06-22

☐ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472 Lamp Flux:4520.84x1 lm		
NAME: NU28-LC-37W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



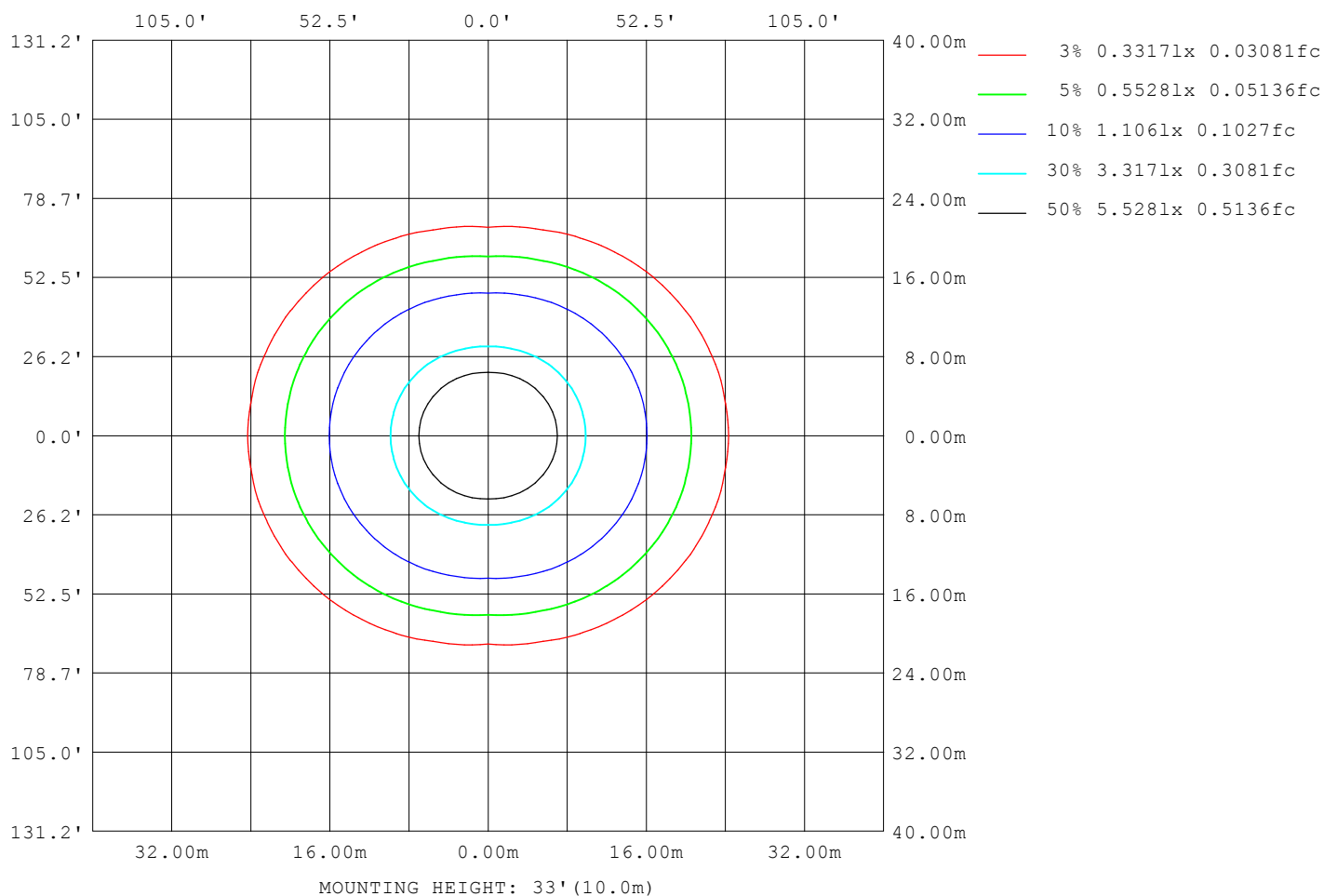
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-22

☐ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472 Lamp Flux:4520.84x1 lm		
NAME: NU28-LC-37W-1500K-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:2022-06-22

☐ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz UTHDi:0.23% ITHDi:12.54% KDisp:0.9472 Lamp Flux:4520.84x1 lm		
NAME: NU28-LC-37W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

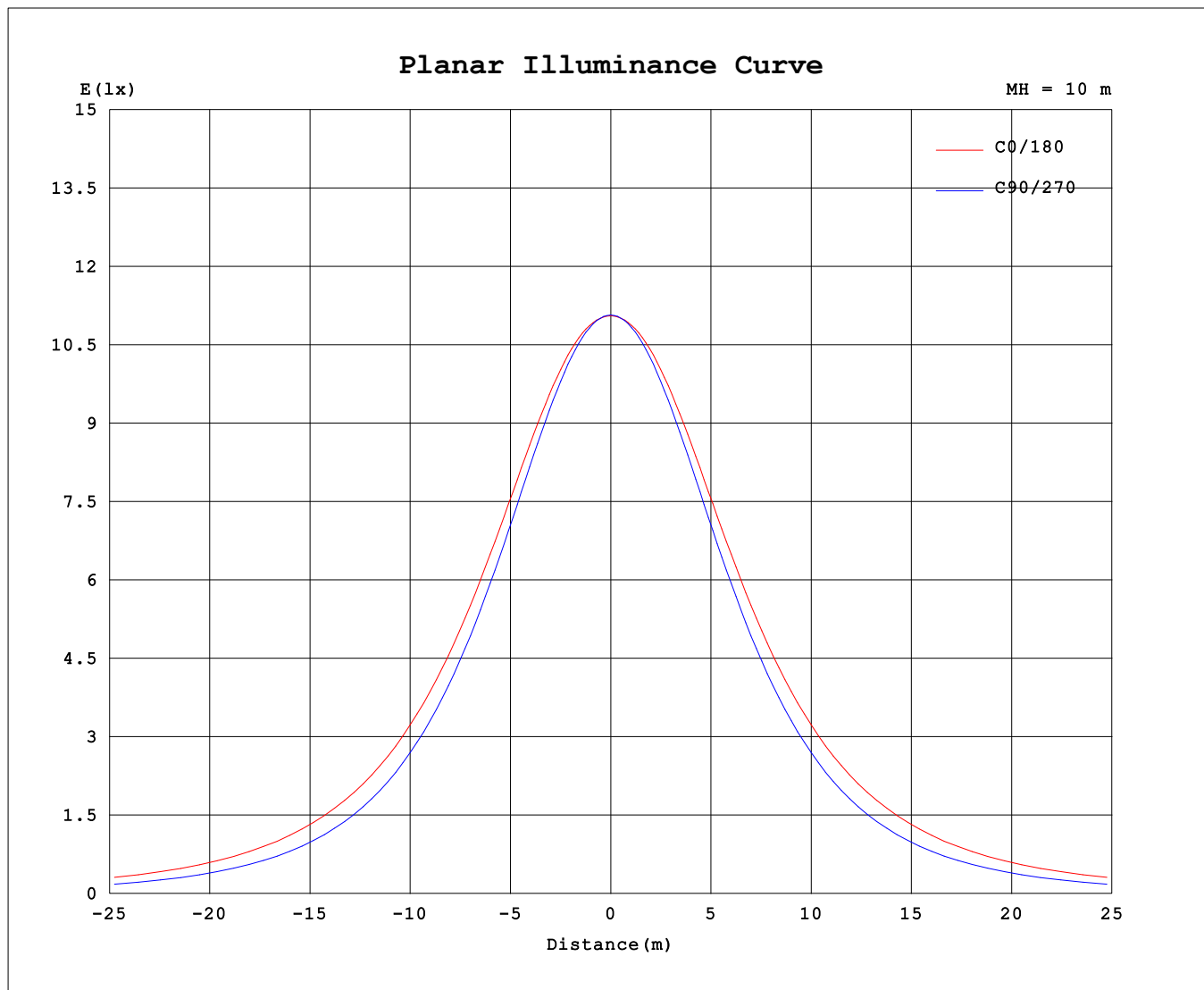
AvgL	cd/m2
L_0~180 (65) av	8501
L_0~180 (75) av	10266
L_0~180 (85) av	21007
L_90~270 (65) av	5439
L_90~270 (75) av	4593
L_90~270 (85) av	2645
L_45 (65) av	7320
L_45 (75) av	8115
L_45 (85) av	14192

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-22

☐ 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: 2022-06-22

☐ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472		Lamp Flux:4520.84x1 lm
NAME: NU28-LC-37W-1500K-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	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107	1107
5	1107	1107	1106	1105	1104	1103	1103	1103	1104	1105	1106	1107	1107	1107	1106	1105	1104	1103	1103
10	1105	1104	1102	1098	1094	1091	1090	1091	1094	1098	1102	1104	1105	1104	1102	1098	1094	1091	1090
15	1098	1097	1092	1085	1077	1071	1068	1071	1077	1085	1092	1097	1098	1097	1092	1085	1077	1071	1068
20	1085	1083	1076	1066	1054	1043	1038	1043	1054	1066	1076	1083	1085	1083	1076	1066	1054	1043	1038
25	1066	1063	1054	1039	1022	1007	1000	1007	1022	1039	1054	1063	1066	1063	1054	1039	1022	1007	1000
30	1039	1035	1023	1005	983	963	953	963	983	1005	1023	1035	1039	1035	1023	1005	983	963	953
35	1005	1000	985	962	936	910	898	910	936	962	985	1000	1005	1000	985	962	936	910	898
40	964	957	940	912	880	850	834	850	880	912	940	957	964	957	940	912	880	850	834
45	915	907	886	855	818	782	763	782	818	855	886	907	915	907	886	855	818	782	763
50	858	850	826	790	748	707	685	707	748	790	826	850	858	850	826	790	748	707	685
55	794	785	758	718	671	625	600	625	671	718	758	785	794	785	758	718	671	625	600
60	723	713	683	640	589	538	509	538	589	640	683	713	723	713	683	640	589	538	509
65	646	634	603	556	501	445	413	445	501	556	603	634	646	634	603	556	501	445	413
70	563	551	517	467	409	349	314	349	409	467	517	551	563	551	517	467	409	349	314
75	477	465	429	377	316	253	214	253	316	377	429	465	477	465	429	377	316	253	214
80	397	383	346	292	228	161	119	161	228	292	346	383	397	383	346	292	228	161	119
85	329	316	278	222	156	86.4	41.4	86.4	156	222	278	316	329	316	278	222	156	86.4	41.4
90	279	266	231	178	114	48.3	6.29	48.3	114	178	231	266	279	266	231	178	114	48.3	6.29
95	247	235	203	156	99.5	41.5	7.46	41.5	99.5	156	203	235	247	235	203	156	99.5	41.5	7.46
100	226	216	187	144	92.0	38.6	8.83	38.6	92.0	144	187	216	226	216	187	144	92.0	38.6	8.83
105	209	199	173	133	84.9	36.4	10.2	36.4	84.9	133	173	199	209	199	173	133	84.9	36.4	10.2
110	192	183	159	123	77.4	34.2	11.3	34.2	77.4	123	159	183	192	183	159	123	77.4	34.2	11.3
115	175	167	146	112	69.4	32.6	12.7	32.6	69.4	112	146	167	175	167	146	112	69.4	32.6	12.7
120	159	152	133	97.8	62.6	31.2	13.9	31.2	62.6	97.8	133	152	159	152	133	97.8	62.6	31.2	13.9
125	143	137	118	86.3	57.1	30.1	15.3	30.1	57.1	86.3	118	137	143	137	118	86.3	57.1	30.1	15.3
130	128	123	105	77.8	52.4	29.0	16.6	29.0	52.4	77.8	105	123	128	123	105	77.8	52.4	29.0	16.6
135	114	110	90.0	69.6	48.2	28.3	18.0	28.3	48.2	69.6	90.0	110	114	110	90.0	69.6	48.2	28.3	18.0
140	101	96.4	78.2	62.2	44.2	27.8	19.4	27.8	44.2	62.2	78.2	96.4	101	96.4	78.2	62.2	44.2	27.8	19.4
145	88.3	84.5	68.6	55.5	40.8	27.5	20.7	27.5	40.8	55.5	68.6	84.5	88.3	84.5	68.6	55.5	40.8	27.5	20.7
150	76.3	72.1	60.4	49.1	38.2	27.2	21.8	27.2	38.2	49.1	60.4	72.1	76.3	72.1	60.4	49.1	38.2	27.2	21.8
155	65.0	58.8	52.2	43.8	35.3	26.8	22.9	26.8	35.3	43.8	52.2	58.8	65.0	58.8	52.2	43.8	35.3	26.8	22.9
160	54.3	47.9	44.2	38.9	32.6	26.5	23.8	26.5	32.6	38.9	44.2	47.9	54.3	47.9	44.2	38.9	32.6	26.5	23.8
165	44.2	39.1	37.2	34.2	30.0	26.1	24.7	26.1	30.0	34.2	37.2	39.1	44.2	39.1	37.2	34.2	30.0	26.1	24.7
170	35.4	32.3	31.5	30.0	27.8	25.8	25.4	25.8	27.8	30.0	31.5	32.3	35.4	32.3	31.5	30.0	27.8	25.8	25.4
175	28.6	27.2	27.1	26.7	26.2	26.0	25.9	26.0	26.2	26.7	27.1	27.2	28.6	27.2	27.1	26.7	26.2	26.0	25.9
180	26.0	25.4	25.6	25.8	25.9	26.0	26.1	26.0	25.9	25.8	25.6	25.4	26.0	25.4	25.6	25.8	25.9	26.0	26.1

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-22

☐ 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:230.35V I:0.1635A P:35.300W PF:0.9373 Freq:49.99Hz		
UTHDi:0.23% ITHDi:12.54% KDisp:0.9472 Lamp Flux:4520.84x1 lm		
NAME: NU28-LC-37W-1500K-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	1107	1107	1107	1107	1107													
5	1103	1104	1105	1106	1107													
10	1091	1094	1098	1102	1104													
15	1071	1077	1085	1092	1097													
20	1043	1054	1066	1076	1083													
25	1007	1022	1039	1054	1063													
30	963	983	1005	1023	1035													
35	910	936	962	985	1000													
40	850	880	912	940	957													
45	782	818	855	886	907													
50	707	748	790	826	850													
55	625	671	718	758	785													
60	538	589	640	683	713													
65	445	501	556	603	634													
70	349	409	467	517	551													
75	253	316	377	429	465													
80	161	228	292	346	383													
85	86.4	156	222	278	316													
90	48.3	114	178	231	266													
95	41.5	99.5	156	203	235													
100	38.6	92.0	144	187	216													
105	36.4	84.9	133	173	199													
110	34.2	77.4	123	159	183													
115	32.6	69.4	112	146	167													
120	31.2	62.6	97.8	133	152													
125	30.1	57.1	86.3	118	137													
130	29.0	52.4	77.8	105	123													
135	28.3	48.2	69.6	90.0	110													
140	27.8	44.2	62.2	78.2	96.4													
145	27.5	40.8	55.5	68.6	84.5													
150	27.2	38.2	49.1	60.4	72.1													
155	26.8	35.3	43.8	52.2	58.8													
160	26.5	32.6	38.9	44.2	47.9													
165	26.1	30.0	34.2	37.2	39.1													
170	25.8	27.8	30.0	31.5	32.3													
175	26.0	26.2	26.7	27.1	27.2													
180	26.0	25.9	25.8	25.6	25.4													

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:QC  
Test Date:2022-06-22

☐ 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: