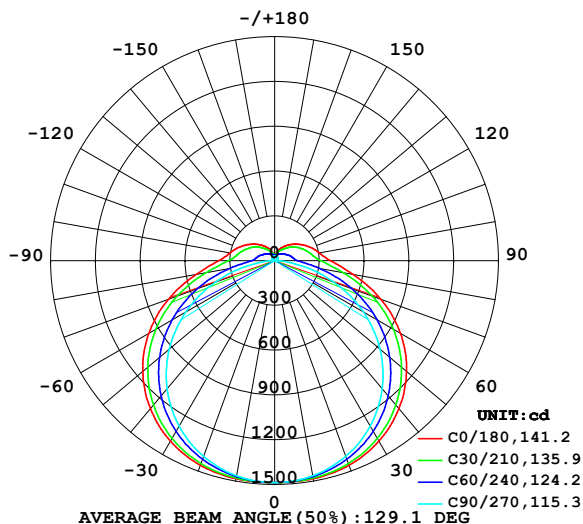


LUMINAIRE PHOTOMETRIC TEST REPORT

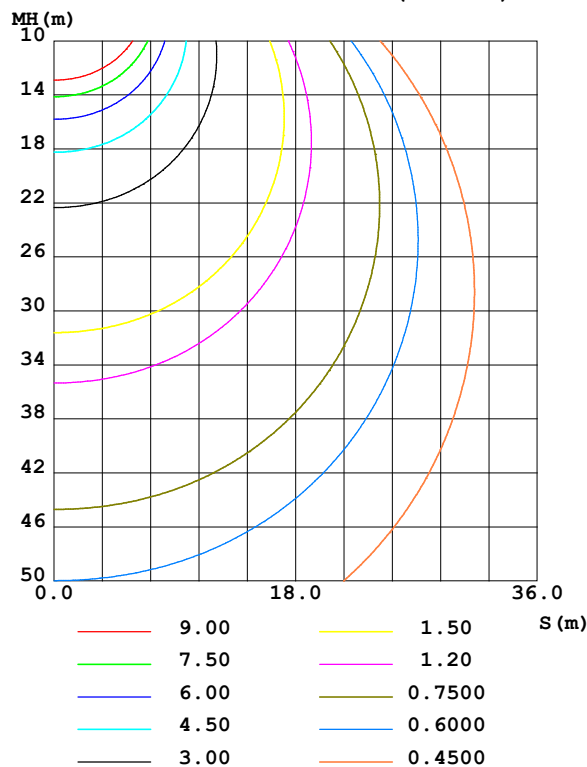
Test:U:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz		
UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 121.25 lm/W			
MODEL	NU28	Imax (cd)	1486	S/MH(C0/180)	1.40
NOMINAL POWER(W)	52	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	6083.8	□ UP,DN(C0-180)	6.5,43.5
NOMINAL FLUX(lm)	6083.81	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	6.5,43.5
LAMPS INSIDE	1	□ up (%)	13.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	□ down (%)	86.9	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°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:

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	1484	1475	1464	1475	1484	1475	1464	1475	0- 10	141.3	141.3	2.32,2.32
20	1458	1432	1395	1432	1458	1432	1395	1432	10- 20	411.8	553.1	9.09,9.09
30	1396	1350	1281	1350	1396	1350	1281	1350	20- 30	642.5	1196	19.7,19.7
40	1295	1226	1122	1226	1295	1226	1122	1226	30- 40	805.6	2001	32.9,32.9
50	1154	1062	921.3	1062	1154	1062	921.3	1062	40- 50	879.6	2881	47.4,47.4
60	972.9	860.5	685.5	860.5	972.9	860.5	685.5	860.5	50- 60	852.5	3733	61.4,61.4
70	757.1	629.1	422.8	629.1	757.1	629.1	422.8	629.1	60- 70	724.9	4458	73.3,73.3
80	533.5	392.5	160.8	392.5	533.5	392.5	160.8	392.5	70- 80	519.0	4977	81.8,81.8
90	375.3	238.7	9.049	238.7	375.3	238.7	9.049	238.7	80- 90	310.7	5288	86.9,86.9
100	304.4	193.7	11.98	193.7	304.4	193.7	11.98	193.7	90-100	212.9	5501	90.4,90.4
110	259.0	165.6	15.27	165.6	259.0	165.6	15.27	165.6	100-110	175.2	5676	93.3,93.3
120	214.6	133.3	18.57	133.3	214.6	133.3	18.57	133.3	110-120	139.1	5815	95.6,95.6
130	173.5	106.2	21.91	106.2	173.5	106.2	21.91	106.2	120-130	103.8	5919	97.3,97.3
140	136.5	85.20	25.31	85.20	136.5	85.20	25.31	85.20	130-140	72.87	5992	98.5,98.5
150	103.1	67.61	28.38	67.61	103.1	67.61	28.38	67.61	140-150	47.56	6039	99.3,99.3
160	73.41	53.22	30.82	53.22	73.41	53.22	30.82	53.22	150-160	27.73	6067	99.7,99.7
170	47.06	40.51	32.61	40.51	47.06	40.51	32.61	40.51	160-170	13.11	6080	99.9,99.9
180	33.58	33.11	33.47	33.11	33.58	33.11	33.47	33.11	170-180	3.526	6084	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2437.9 lm

%lum = 40.1%

%lamp = 40.1%

Conical surface Flux(130deg): 4117.5 lm

%lum = 67.7%

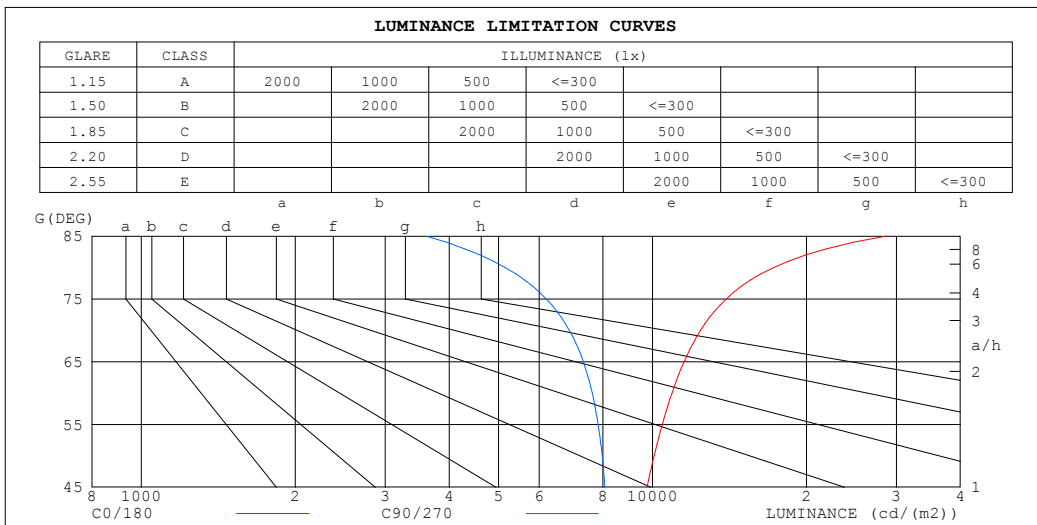
%lamp = 67.7%

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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz		
UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	28473	3618
80	17237	5149
75	13927	6196
70	12419	6873
65	11530	7326
60	10918	7622
55	10450	7826
50	10071	7968
45	9755	8070

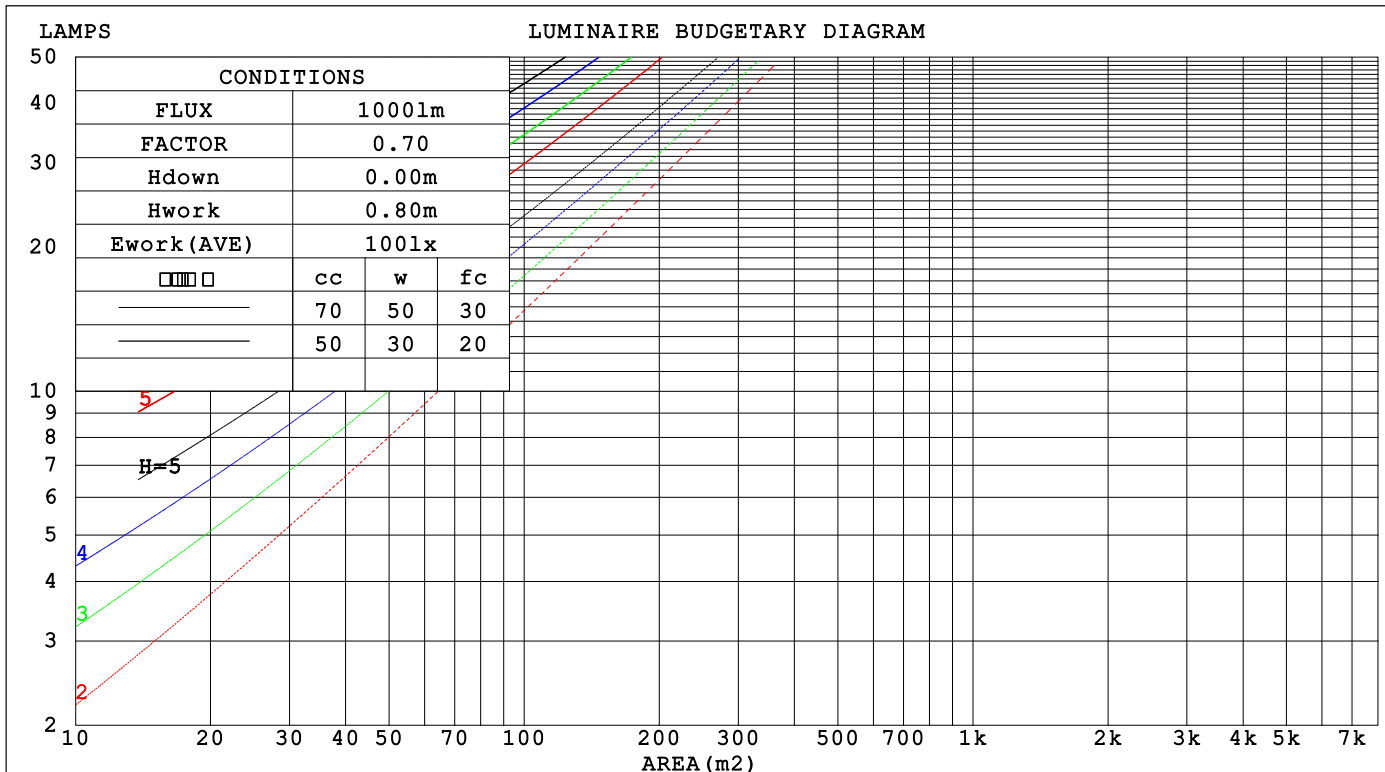
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2022-06-21

☐ 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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz		
UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-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	.81	.75	.69	.76	.70	.65	.70	.66	.62	.66	.62	.59	.56														
3.0	.74	.65	.58	.71	.63	.56	.66	.59	.54	.61	.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	.55	.47	.40	.52	.44	.39	.48	.42	.37	.45	.40	.35	.33														
6.0	.51	.42	.36	.50	.41	.35	.47	.39	.34	.44	.37	.32	.41	.35	.31	.28														
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	.38	.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:2022-06-21

□ 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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz		
UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-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	.188 .098 .029	.177 .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	.284 .256 .231	.243 .220 .199	.166 .151 .138	.096 .088 .080	.031 .028 .026	
2.0	.277 .233 .196	.237 .201 .169	.163 .139 .118	.094 .081 .069	.030 .026 .023	
3.0	.269 .216 .174	.231 .186 .151	.159 .130 .106	.092 .076 .062	.029 .025 .020	
4.0	.262 .203 .159	.225 .176 .138	.155 .122 .097	.089 .072 .057	.029 .023 .019	
5.0	.254 .193 .148	.218 .167 .129	.150 .117 .091	.087 .069 .054	.028 .022 .018	
6.0	.247 .185 .141	.212 .161 .123	.147 .112 .087	.085 .066 .052	.027 .022 .017	
7.0	.240 .179 .136	.207 .155 .118	.143 .109 .084	.083 .064 .050	.027 .021 .016	
8.0	.234 .173 .132	.201 .150 .115	.139 .105 .081	.081 .062 .048	.026 .020 .016	
9.0	.227 .168 .128	.196 .146 .112	.136 .103 .080	.079 .061 .047	.026 .020 .016	
10.0	.222 .164 .126	.191 .142 .110	.132 .100 .078	.077 .059 .047	.025 .019 .015	

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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz											
UTHDi:0.23% ITHDi:10.43% KDisp:0.9684						Lamp Flux:6083.81x1 lm					
NAME: NU28-LC-52W-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	16.6	17.9	17.0	18.3	18.8	14.4	15.7	14.8	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	18.9	20.0	19.4	20.5	21.1	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	21.3	20.7	21.8	22.4	15.4	16.5	15.9	17.0	17.6
4H 2H	14.9	16.1	15.4	16.6	17.1	13.8	15.0	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	21.5	22.1	16.7	17.6	17.3	18.2	18.8
	8H	20.7	21.6	21.3	22.2	22.8	16.9	17.7	17.5	18.3	19.0
	12H	21.6	22.4	22.2	23.0	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	23.8	24.5	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	21.2	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 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 6084 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 6.3)  
Area: 0.1797 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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz		
UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

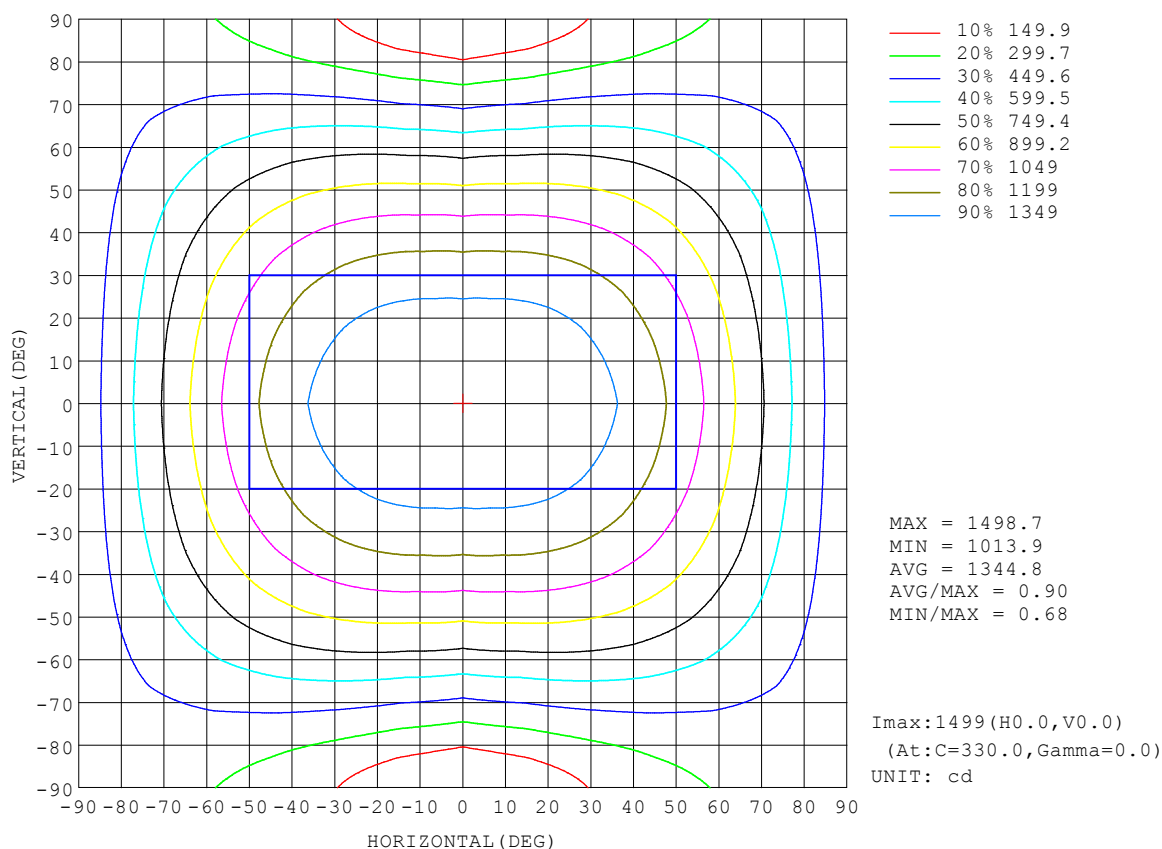
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	48	37	30	24
0.80	60	47	39	58	47	39	56	45	38	31
1.00	68	56	47	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	73	83	76	70	59
3.00	95	87	80	92	84	78	86	80	75	63
4.00	100	93	87	96	90	85	90	85	80	67
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: 2022-06-21

☐ 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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



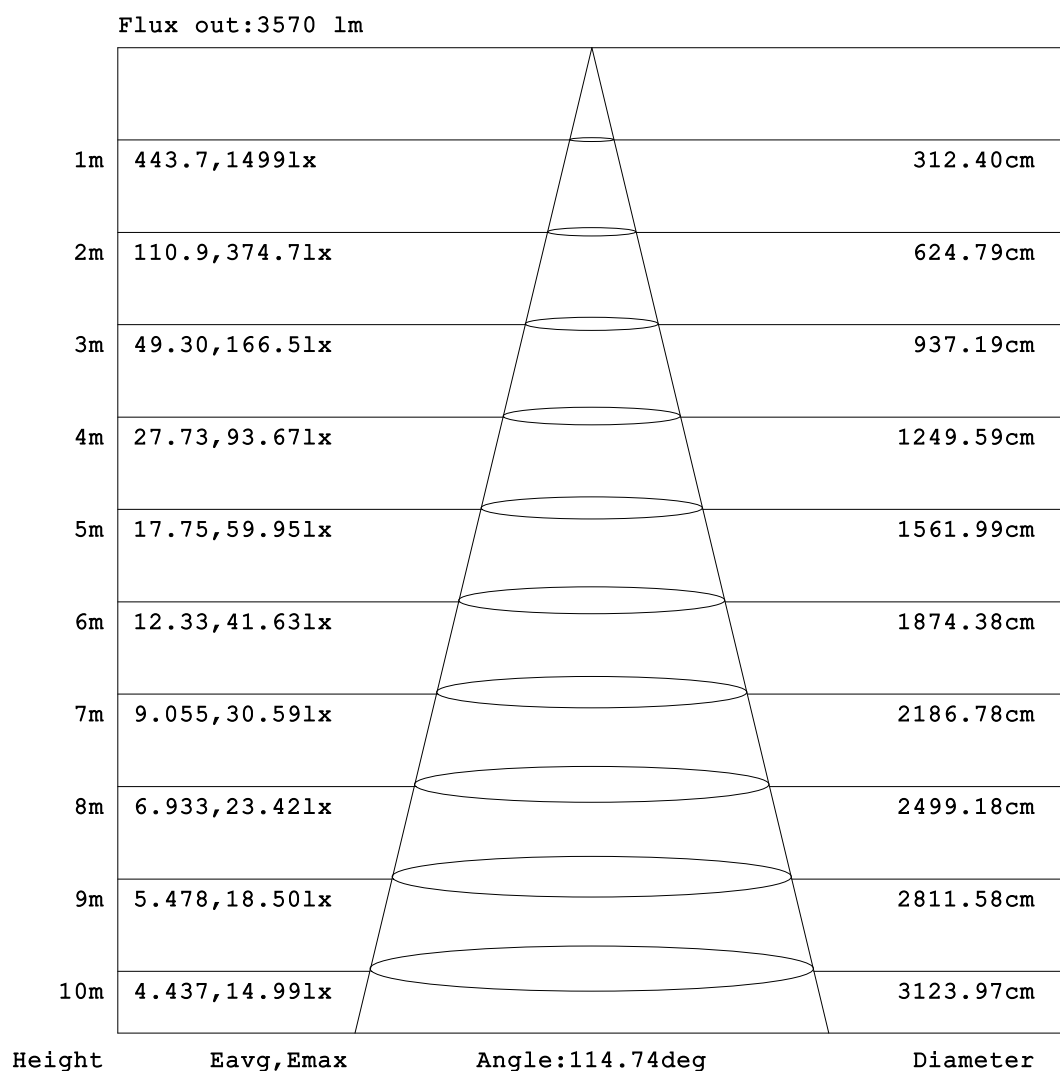
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3°C  
 Operators:QC  
 Test Date:2022-06-21

☐ 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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz		
UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



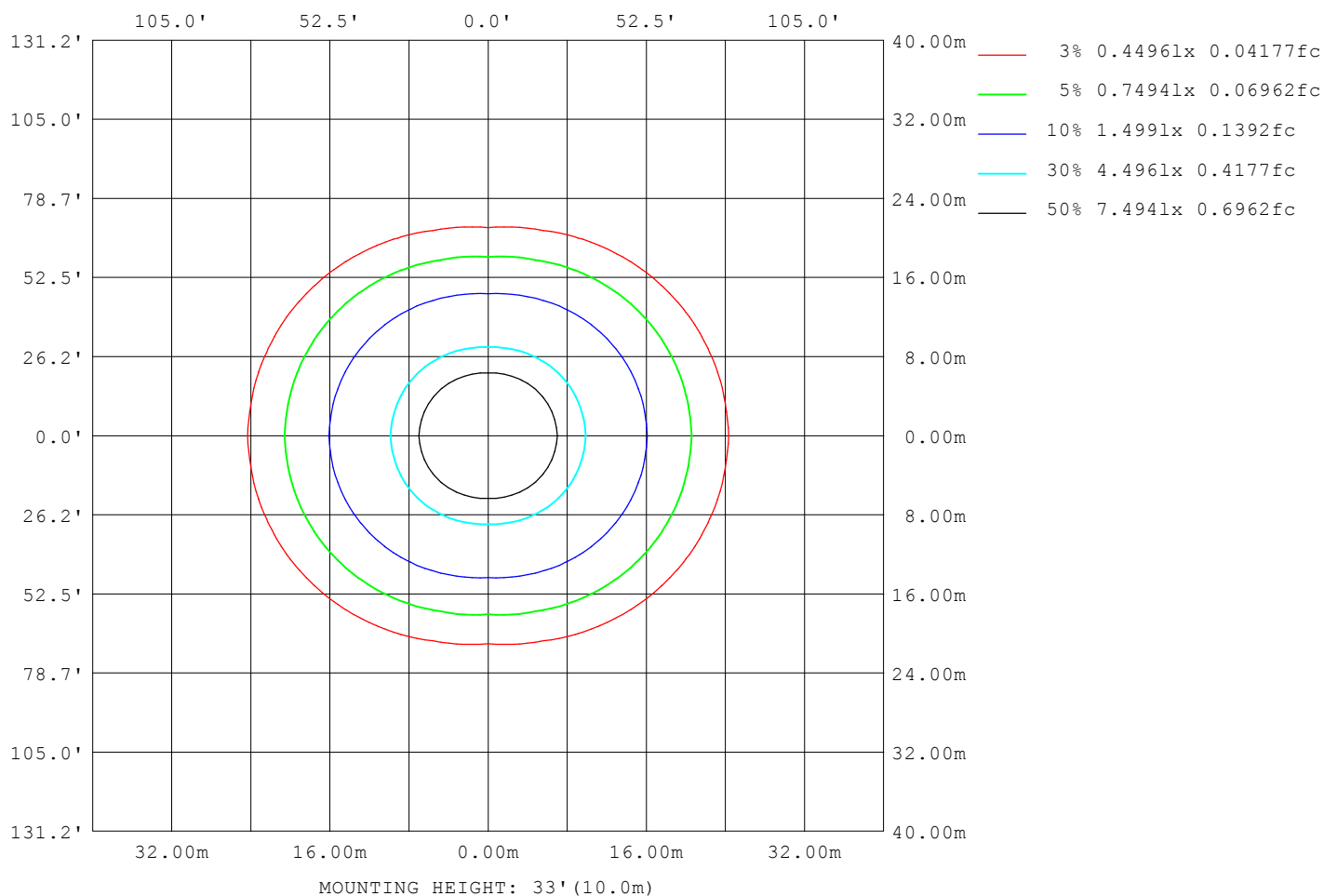
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-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:2022-06-21

☐ 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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

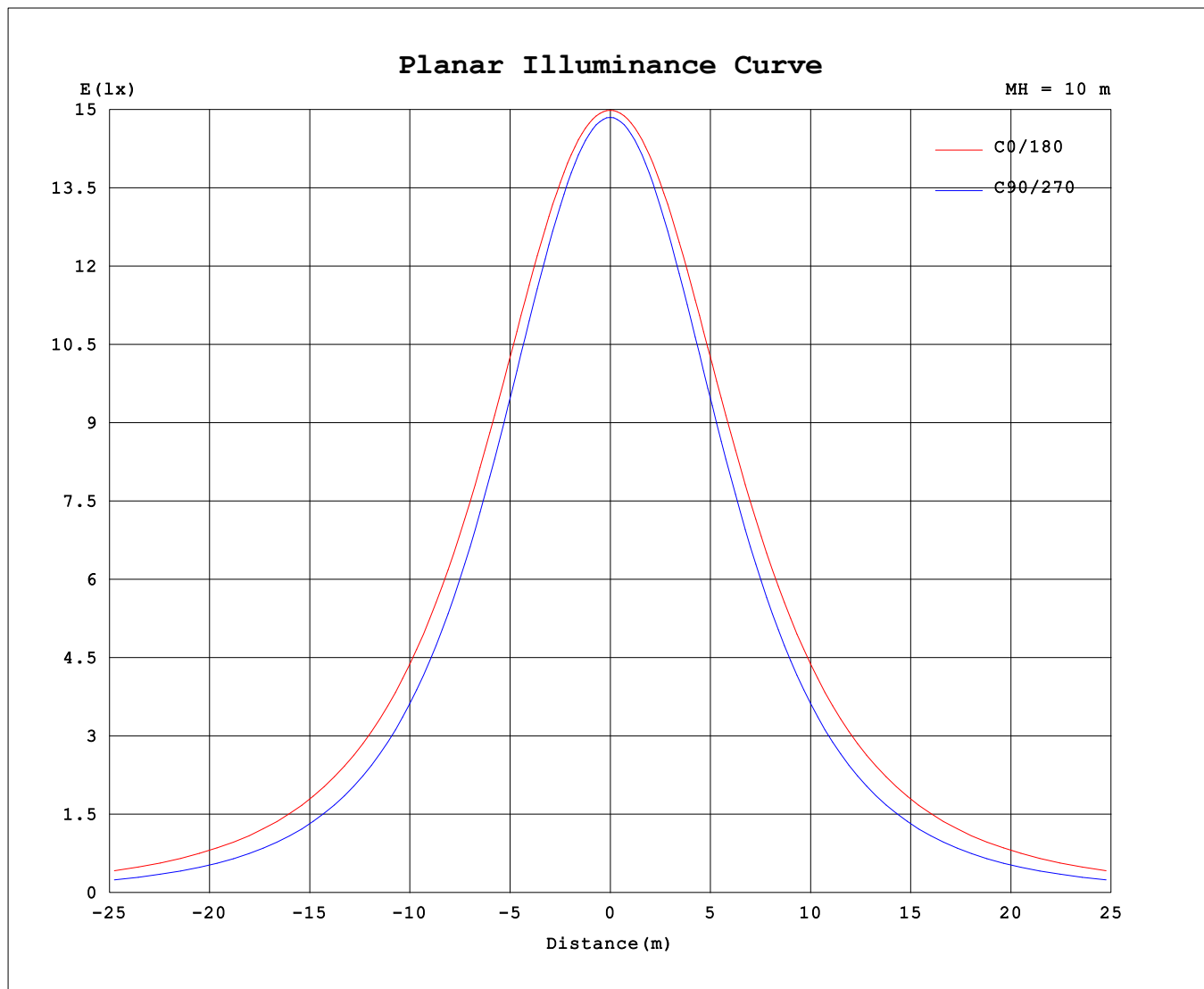
AvgL	cd/m2
L_0~180 (65) av	11436
L_0~180 (75) av	13813
L_0~180 (85) av	28241
L_90~270 (65) av	7333
L_90~270 (75) av	6202
L_90~270 (85) av	3622
L_45 (65) av	9845
L_45 (75) av	10919
L_45 (85) av	19053

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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz		
UTHDi:0.23% ITHDi:10.43% KDisp:0.9684		Lamp Flux:6083.81x1 lm
NAME: NU28-LC-52W-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	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486	1486
5	1486	1486	1485	1484	1482	1481	1481	1481	1482	1484	1485	1486	1486	1486	1485	1484	1482	1481	1481
10	1484	1483	1480	1475	1469	1465	1464	1465	1469	1475	1480	1483	1484	1483	1480	1475	1469	1465	1464
15	1475	1473	1467	1458	1447	1439	1435	1439	1447	1458	1467	1473	1475	1473	1467	1458	1447	1439	1435
20	1458	1455	1446	1432	1416	1401	1395	1401	1416	1432	1446	1455	1458	1455	1446	1432	1416	1401	1395
25	1432	1428	1416	1396	1374	1353	1344	1353	1374	1396	1416	1428	1432	1428	1416	1396	1374	1353	1344
30	1396	1391	1375	1350	1321	1293	1281	1293	1321	1350	1375	1391	1396	1391	1375	1350	1321	1293	1281
35	1351	1344	1324	1294	1257	1223	1207	1223	1257	1294	1324	1344	1351	1344	1324	1294	1257	1223	1207
40	1295	1287	1263	1226	1183	1142	1122	1142	1183	1226	1263	1287	1295	1287	1263	1226	1183	1142	1122
45	1229	1219	1191	1149	1099	1051	1026	1051	1099	1149	1191	1219	1229	1219	1191	1149	1099	1051	1026
50	1154	1142	1110	1062	1006	951	921	951	1006	1062	1110	1142	1154	1142	1110	1062	1006	951	921
55	1068	1055	1019	966	903	841	807	841	903	966	1019	1055	1068	1055	1019	966	903	841	807
60	973	958	919	861	792	724	685	724	792	861	919	958	973	958	919	861	792	724	685
65	869	853	810	748	674	599	557	599	674	748	810	853	869	853	810	748	674	599	557
70	757	740	695	629	551	470	423	470	551	629	695	740	757	740	695	629	551	470	423
75	642	625	578	508	425	341	288	341	425	508	578	625	642	625	578	508	425	341	288
80	533	515	466	392	307	218	161	218	307	392	466	515	533	515	466	392	307	218	161
85	442	424	373	298	209	117	56.7	117	209	298	373	424	442	424	373	298	209	117	56.7
90	375	358	310	239	154	65.0	9.05	65.0	154	239	310	358	375	358	310	239	154	65.0	9.05
95	332	316	273	209	134	55.9	10.3	55.9	134	209	273	316	332	316	273	209	134	55.9	10.3
100	304	290	251	194	124	52.0	12.0	52.0	124	194	251	290	304	290	251	194	124	52.0	12.0
105	282	269	233	179	115	49.3	13.7	49.3	115	179	233	269	282	269	233	179	115	49.3	13.7
110	259	247	215	166	105	46.7	15.3	46.7	105	166	215	247	259	247	215	166	105	46.7	15.3
115	236	226	196	152	94.5	44.5	16.9	44.5	94.5	152	196	226	236	226	196	152	94.5	44.5	16.9
120	215	205	179	133	85.8	42.8	18.6	42.8	85.8	133	179	205	215	205	179	133	85.8	42.8	18.6
125	194	185	162	119	78.3	41.3	20.2	41.3	78.3	119	162	185	194	185	162	119	78.3	41.3	20.2
130	173	166	143	106	72.0	40.0	21.9	40.0	72.0	106	143	166	173	166	143	106	72.0	40.0	21.9
135	154	148	124	95.2	66.3	38.9	23.6	38.9	66.3	95.2	124	148	154	148	124	95.2	66.3	38.9	23.6
140	136	131	107	85.2	61.0	38.1	25.3	38.1	61.0	85.2	107	131	136	131	107	85.2	61.0	38.1	25.3
145	119	115	94.1	76.2	56.2	37.6	26.9	37.6	56.2	76.2	94.1	115	119	115	94.1	76.2	56.2	37.6	26.9
150	103	97.6	82.5	67.6	52.2	37.0	28.4	37.0	52.2	67.6	82.5	97.6	103	97.6	82.5	67.6	52.2	37.0	28.4
155	87.8	81.1	71.6	60.0	48.3	36.3	29.7	36.3	48.3	60.0	71.6	81.1	87.8	81.1	71.6	60.0	48.3	36.3	29.7
160	73.4	66.2	60.8	53.2	44.3	35.6	30.8	35.6	44.3	53.2	60.8	66.2	73.4	66.2	60.8	53.2	44.3	35.6	30.8
165	59.0	53.8	51.0	46.5	40.6	34.9	31.8	34.9	40.6	46.5	51.0	53.8	59.0	53.8	51.0	46.5	40.6	34.9	31.8
170	47.1	44.4	42.9	40.5	37.3	34.3	32.6	34.3	37.3	40.5	42.9	44.4	47.1	44.4	42.9	40.5	37.3	34.3	32.6
175	38.0	36.7	36.5	35.7	34.7	33.7	33.2	33.7	34.7	35.7	36.5	36.7	38.0	36.7	36.5	35.7	34.7	33.7	33.2
180	33.6	33.0	33.0	33.1	33.3	33.4	33.5	33.4	33.3	33.1	33.0	33.0	33.6	33.0	33.0	33.1	33.3	33.4	33.5

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:230.39V I:0.2252A P:50.175W PF:0.9669 Freq:49.99Hz		
UTHDi:0.23% ITHDi:10.43% KDisp:0.9684 Lamp Flux:6083.81x1 lm		
NAME: NU28-LC-52W-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	1486	1486	1486	1486	1486													
5	1481	1482	1484	1485	1486													
10	1465	1469	1475	1480	1483													
15	1439	1447	1458	1467	1473													
20	1401	1416	1432	1446	1455													
25	1353	1374	1396	1416	1428													
30	1293	1321	1350	1375	1391													
35	1223	1257	1294	1324	1344													
40	1142	1183	1226	1263	1287													
45	1051	1099	1149	1191	1219													
50	951	1006	1062	1110	1142													
55	841	903	966	1019	1055													
60	724	792	861	919	958													
65	599	674	748	810	853													
70	470	551	629	695	740													
75	341	425	508	578	625													
80	218	307	392	466	515													
85	117	209	298	373	424													
90	65.0	154	239	310	358													
95	55.9	134	209	273	316													
100	52.0	124	194	251	290													
105	49.3	115	179	233	269													
110	46.7	105	166	215	247													
115	44.5	94.5	152	196	226													
120	42.8	85.8	133	179	205													
125	41.3	78.3	119	162	185													
130	40.0	72.0	106	143	166													
135	38.9	66.3	95.2	124	148													
140	38.1	61.0	85.2	107	131													
145	37.6	56.2	76.2	94.1	115													
150	37.0	52.2	67.6	82.5	97.6													
155	36.3	48.3	60.0	71.6	81.1													
160	35.6	44.3	53.2	60.8	66.2													
165	34.9	40.6	46.5	51.0	53.8													
170	34.3	37.3	40.5	42.9	44.4													
175	33.7	34.7	35.7	36.5	36.7													
180	33.4	33.3	33.1	33.0	33.0													

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: