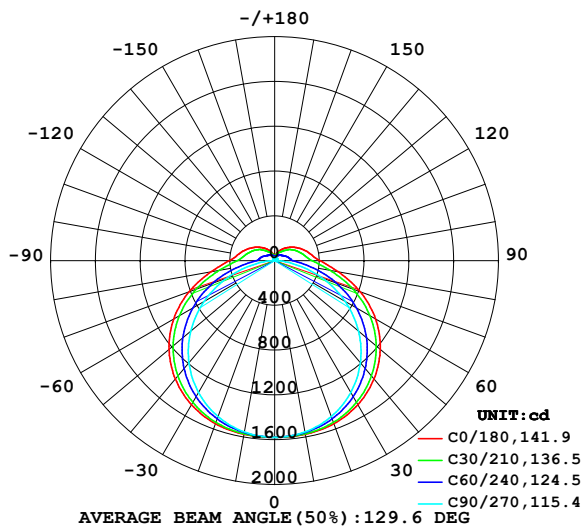


LUMINAIRE PHOTOMETRIC TEST REPORT

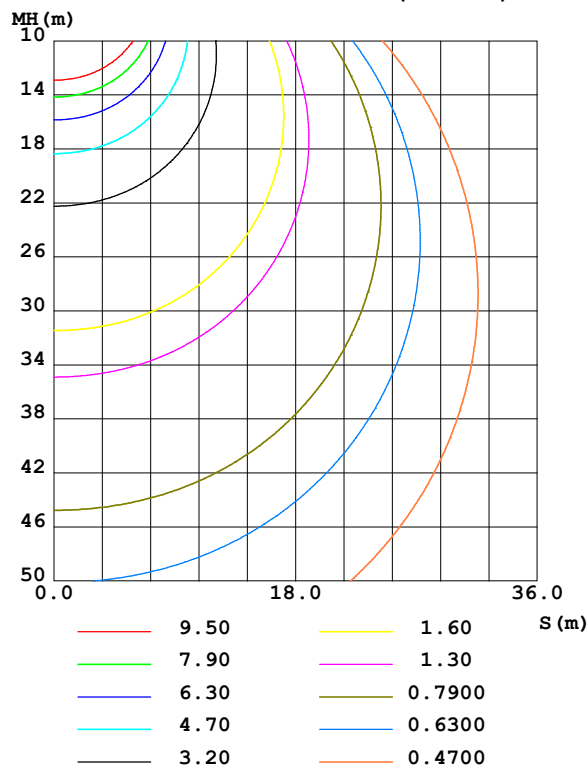
Test:U:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz		
UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 130.12 lm/W			
MODEL	NU28	Imax (cd)	1578	S/MH(C0/180)	1.41
NOMINAL POWER(W)	52	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	6499.1	□ UP,DN(C0-180)	6.6,43.4
NOMINAL FLUX(lm)	6499.08	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°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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	1576	1566	1554	1566	1576	1566	1554	1566	0- 10	150.0	150.0	2.31,2.31
20	1550	1521	1481	1521	1550	1521	1481	1521	10- 20	437.3	587.4	9.04,9.04
30	1486	1435	1360	1435	1486	1435	1360	1435	20- 30	682.8	1270	19.5,19.5
40	1380	1305	1192	1305	1380	1305	1192	1305	30- 40	857.0	2127	32.7,32.7
50	1232	1132	978.9	1132	1232	1132	978.9	1132	40- 50	936.7	3064	47.1,47.1
60	1041	919.0	728.4	919.0	1041	919.0	728.4	919.0	50- 60	909.1	3973	61.1,61.1
70	812.4	673.4	449.5	673.4	812.4	673.4	449.5	673.4	60- 70	774.6	4747	73,73
80	575.3	422.7	170.9	422.7	575.3	422.7	170.9	422.7	70- 80	556.5	5304	81.6,81.6
90	407.0	259.5	10.09	259.5	407.0	259.5	10.09	259.5	80- 90	335.6	5639	86.8,86.8
100	330.7	210.7	13.01	210.7	330.7	210.7	13.01	210.7	90-100	231.3	5871	90.3,90.3
110	281.5	179.3	16.57	179.3	281.5	179.3	16.57	179.3	100-110	190.1	6061	93.3,93.3
120	233.1	142.5	20.19	142.5	233.1	142.5	20.19	142.5	110-120	150.2	6211	95.6,95.6
130	188.4	112.5	23.75	112.5	188.4	112.5	23.75	112.5	120-130	111.7	6323	97.3,97.3
140	148.1	89.93	27.45	89.93	148.1	89.93	27.45	89.93	130-140	77.95	6401	98.5,98.5
150	111.8	71.75	30.45	71.75	111.8	71.75	30.45	71.75	140-150	50.90	6452	99.3,99.3
160	79.27	56.99	32.92	56.99	79.27	56.99	32.92	56.99	150-160	29.63	6481	99.7,99.7
170	51.09	43.48	34.74	43.48	51.09	43.48	34.74	43.48	160-170	14.03	6495	99.9,99.9
180	35.27	35.20	35.56	35.20	35.27	35.20	35.56	35.20	170-180	3.777	6499	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2592 lm

%lum = 39.9%

%lamp = 39.9%

Conical surface Flux(130deg): 4383.1 lm

%lum = 67.4%

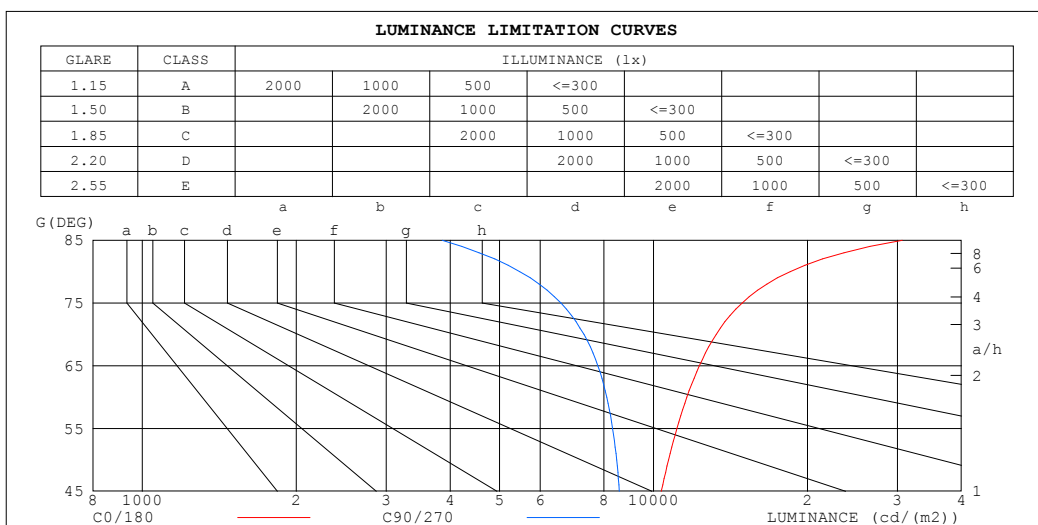
%lamp = 67.4%

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

□ 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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	30646	3863
80	18498	5474
75	14903	6590
70	13262	7307
65	12294	7784
60	11623	8100
55	11112	8316
50	10699	8467
45	10355	8573

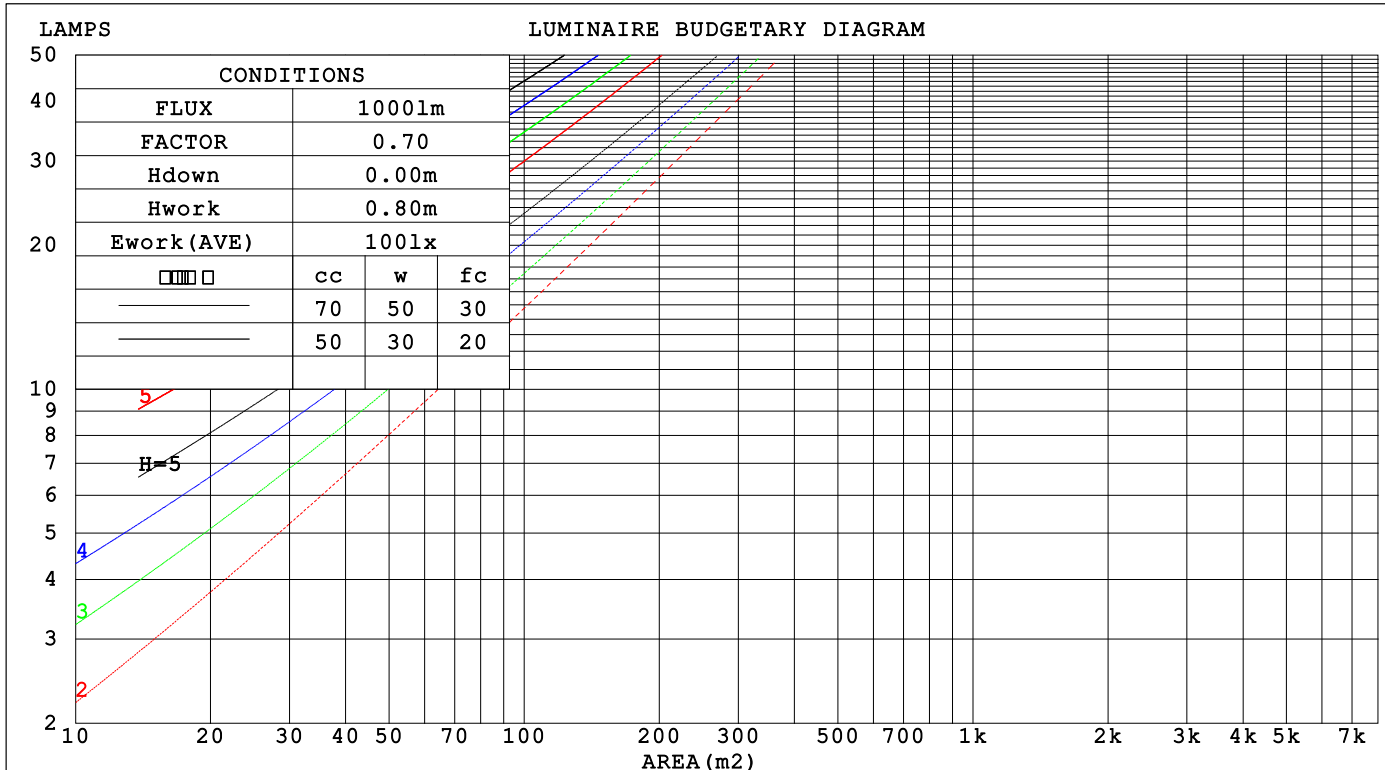
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: QC
Test Date: 2022-06-22

☐ 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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz		
UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-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:2022-06-22

☐ 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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz		
UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-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	.309 .170 .052	.290 .161 .050	.272 .153 .048	.256 .145 .046	
3.0	.287 .153 .046	.278 .149 .045	.261 .142 .043	.245 .135 .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 .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	.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 .257 .232	.244 .221 .200	.167 .152 .138	.096 .088 .080	.031 .028 .026	
2.0	.278 .234 .197	.238 .201 .170	.163 .139 .119	.094 .081 .070	.030 .026 .023	
3.0	.271 .217 .175	.232 .187 .151	.159 .130 .106	.092 .076 .063	.030 .025 .021	
4.0	.263 .205 .160	.226 .177 .139	.155 .123 .098	.090 .072 .058	.029 .023 .019	
5.0	.256 .195 .150	.219 .168 .130	.151 .118 .092	.088 .069 .055	.028 .023 .018	
6.0	.248 .187 .142	.213 .162 .124	.147 .113 .088	.085 .067 .052	.028 .022 .017	
7.0	.241 .180 .137	.208 .156 .119	.143 .109 .084	.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 .169 .130	.197 .147 .113	.136 .103 .080	.079 .061 .048	.026 .020 .016	
10.0	.223 .165 .127	.192 .143 .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:2022-06-22

☐ 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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm										
NAME: NU28-LC-52W-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	16.2	16.6	12.9	14.3	13.3	14.7	15.2
3H	16.6	17.9	17.0	18.3	18.8	14.3	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	15.4	16.5	15.9	17.0	17.6
12H	20.2	21.3	20.8	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	16.0
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	17.8	18.4
6H	20.0	20.9	20.6	21.5	22.1	16.7	17.6	17.3	18.2	18.8
8H	20.8	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	17.6	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	20.6	21.3	21.2	21.9	22.6	17.7	18.4	18.3	19.0	19.7
8H	21.5	22.1	22.2	22.8	23.5	18.0	18.6	18.6	19.2	20.0
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, 6499 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 6.5)
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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz		
UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

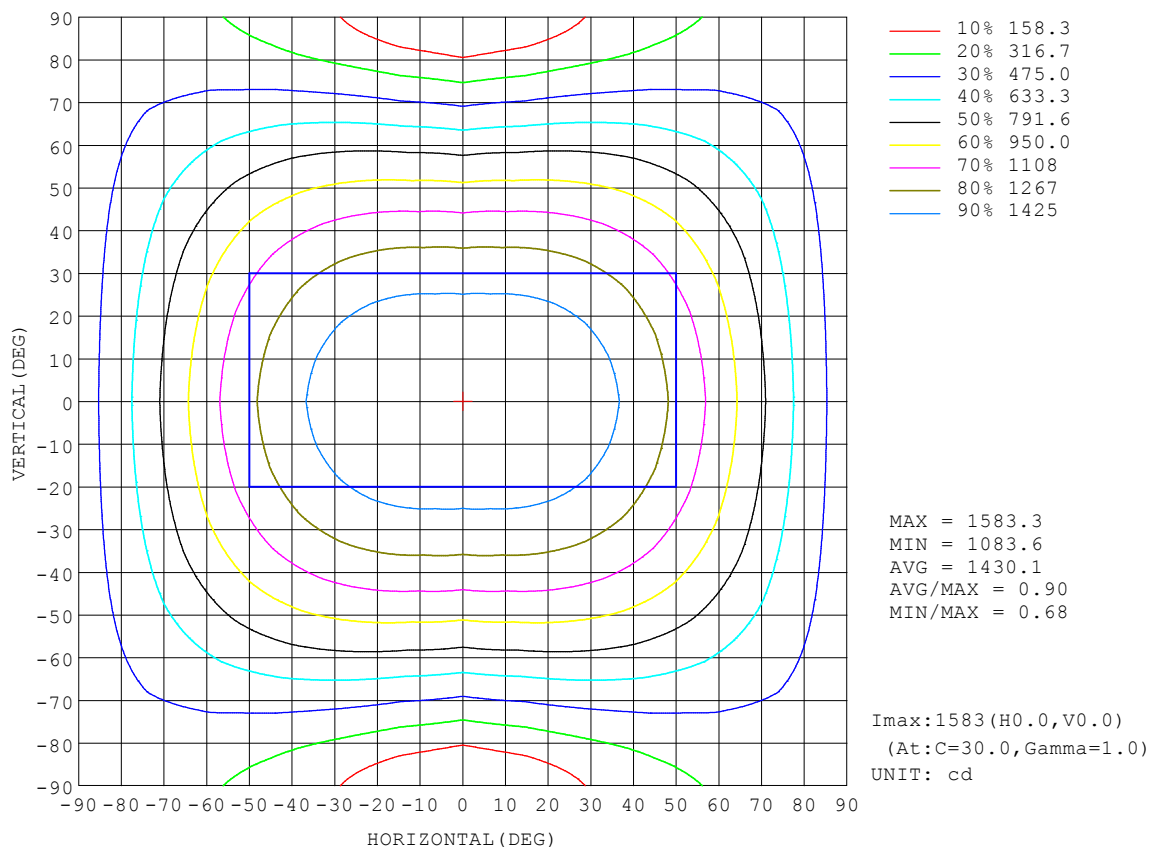
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	47	37	30	23
0.80	60	47	39	58	46	39	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:2022-06-22

☐ 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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

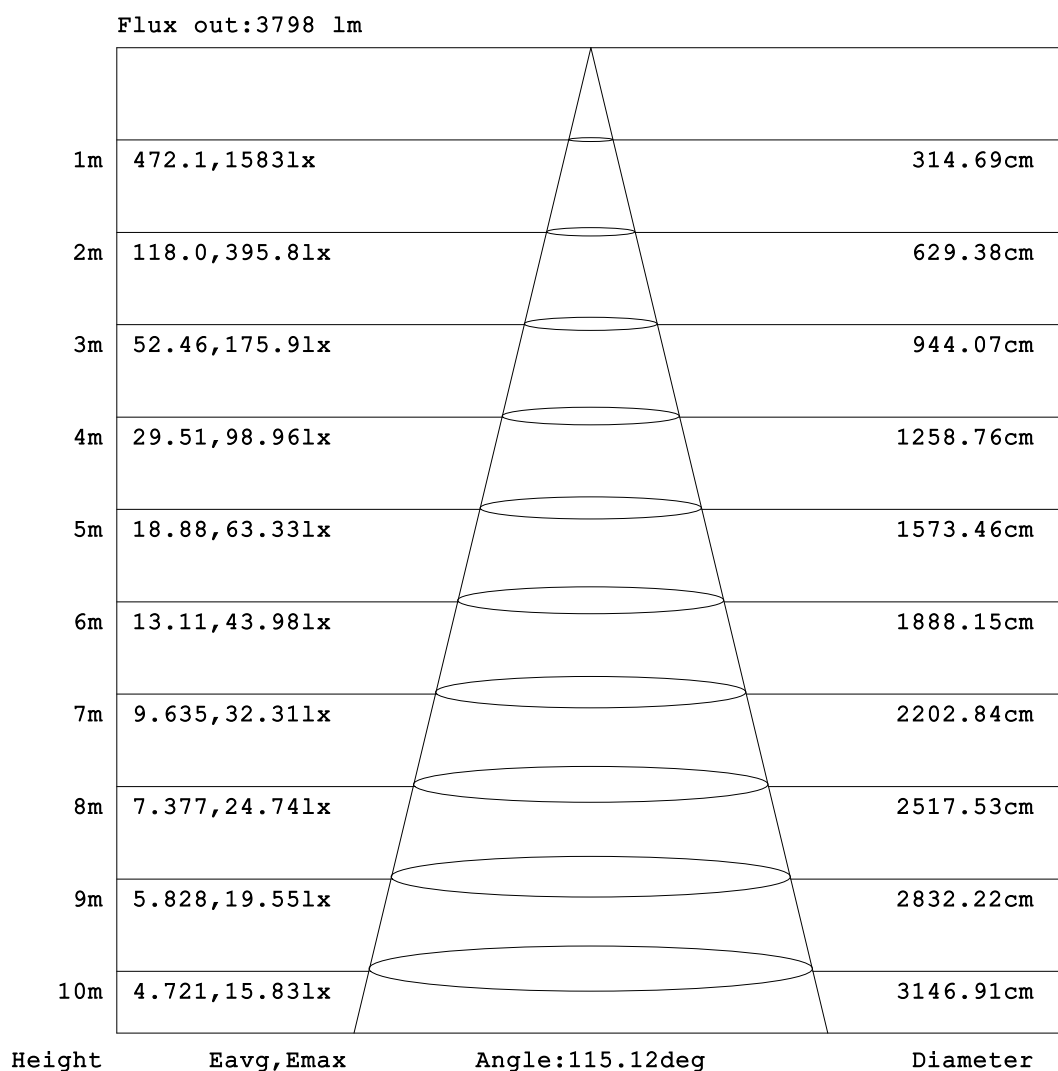


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:QC
Test Date:2022-06-22

☐ 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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



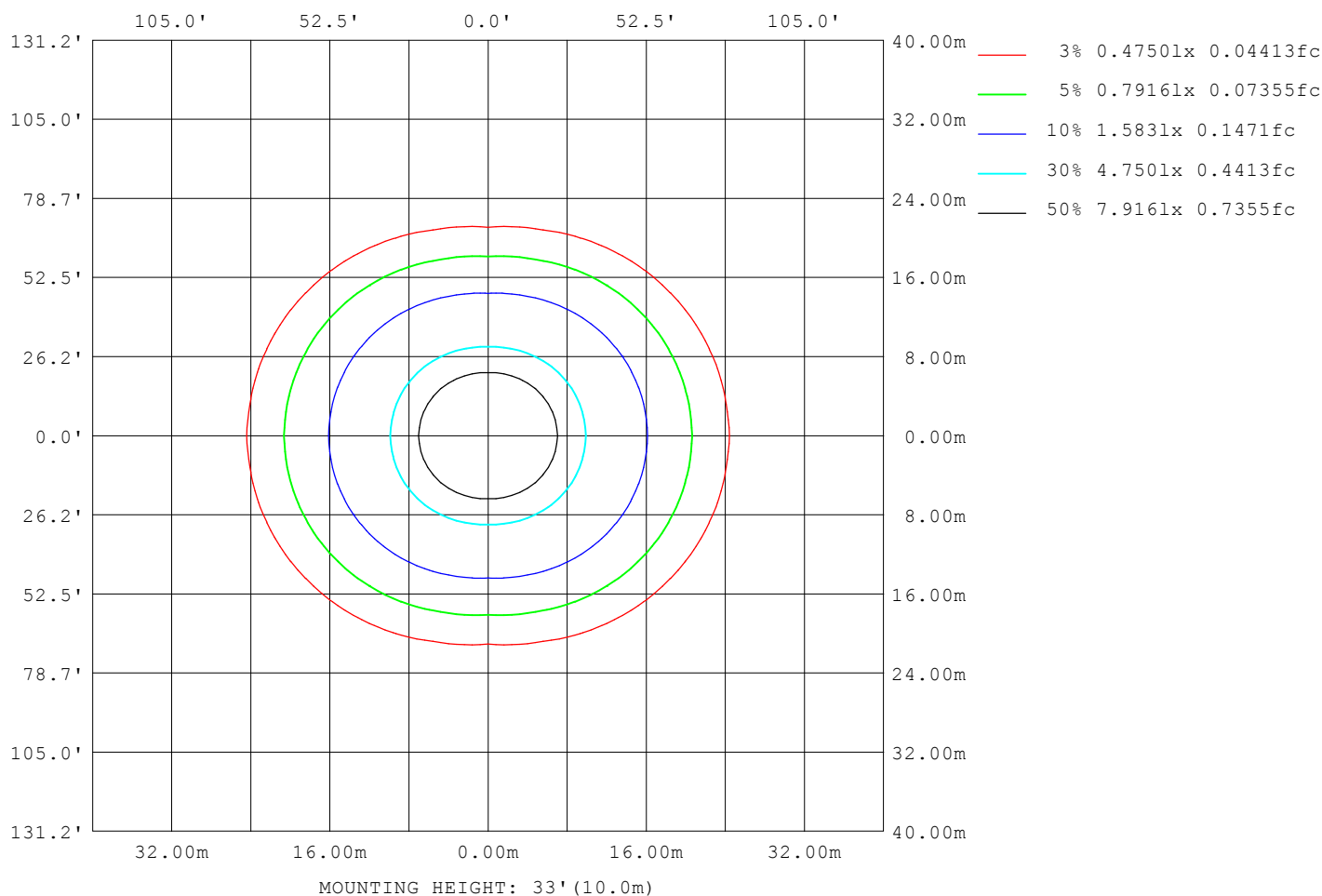
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

☐ 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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-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:2022-06-22

☐ 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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

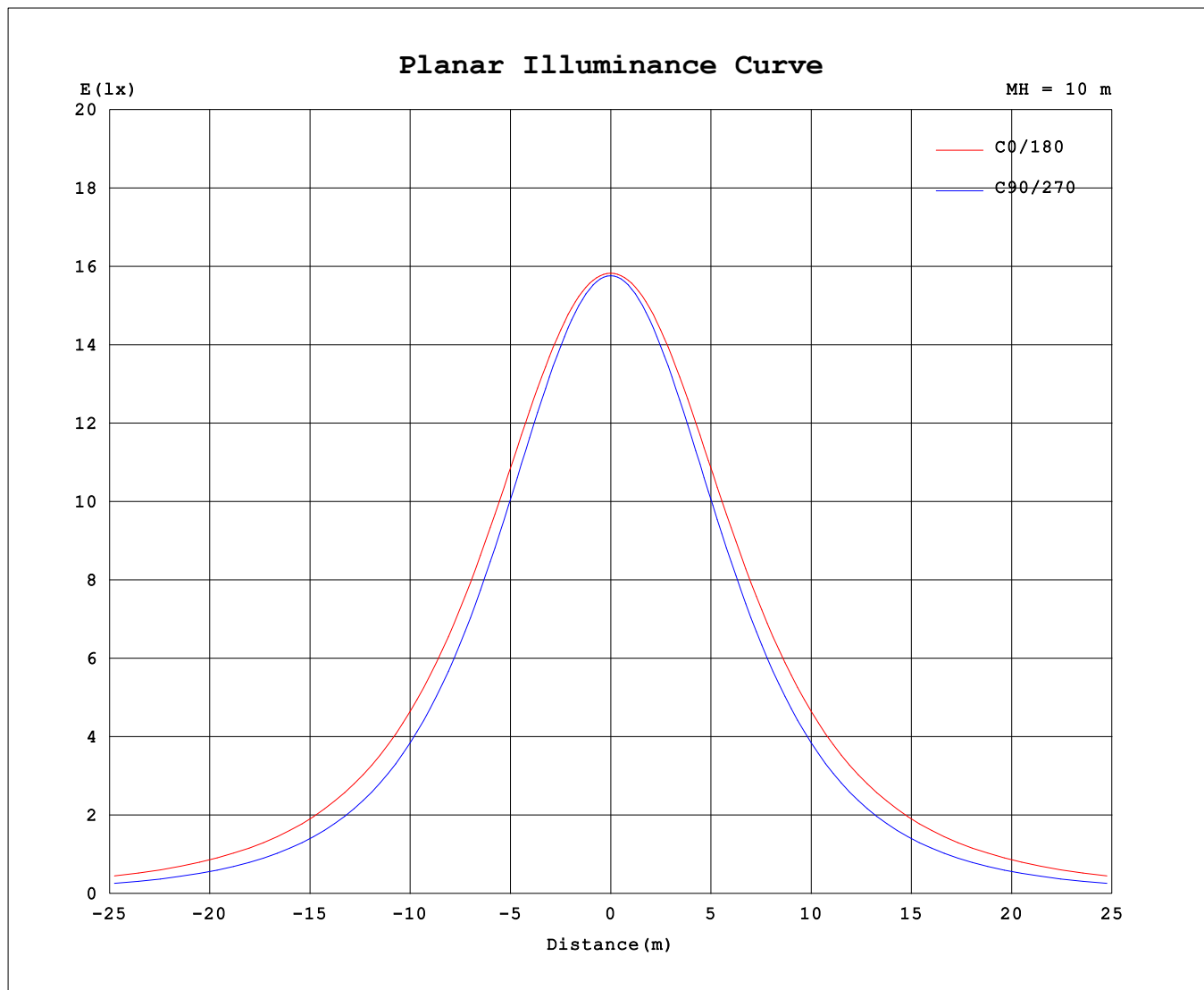
AvgL	cd/m2
L_0~180 (65) av	12254
L_0~180 (75) av	14854
L_0~180 (85) av	30546
L_90~270 (65) av	7790
L_90~270 (75) av	6595
L_90~270 (85) av	3866
L_45 (65) av	10523
L_45 (75) av	11726
L_45 (85) av	20618

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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz		
UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-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	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578	1578
5	1578	1578	1577	1575	1573	1572	1572	1572	1573	1575	1577	1578	1578	1578	1577	1575	1573	1572	1572
10	1576	1574	1571	1566	1560	1556	1554	1556	1560	1566	1571	1574	1576	1574	1571	1566	1560	1556	1554
15	1567	1565	1559	1549	1537	1527	1524	1527	1537	1549	1559	1565	1567	1565	1559	1549	1537	1527	1524
20	1550	1547	1537	1521	1503	1488	1481	1488	1503	1521	1537	1547	1550	1547	1537	1521	1503	1488	1481
25	1523	1519	1505	1484	1459	1436	1427	1436	1459	1484	1505	1519	1523	1519	1505	1484	1459	1436	1427
30	1486	1480	1462	1435	1404	1374	1360	1374	1404	1435	1462	1480	1486	1480	1462	1435	1404	1374	1360
35	1439	1431	1409	1376	1337	1299	1282	1299	1337	1376	1409	1431	1439	1431	1409	1376	1337	1299	1282
40	1380	1371	1345	1305	1259	1214	1192	1214	1259	1305	1345	1371	1380	1371	1345	1305	1259	1214	1192
45	1311	1300	1270	1224	1170	1117	1090	1117	1170	1224	1270	1300	1311	1300	1270	1224	1170	1117	1090
50	1232	1219	1184	1132	1071	1011	979	1011	1071	1132	1184	1219	1232	1219	1184	1132	1071	1011	979
55	1142	1127	1088	1030	962	895	858	895	962	1030	1088	1127	1142	1127	1088	1030	962	895	858
60	1041	1025	982	919	844	770	728	770	844	919	982	1025	1041	1025	982	919	844	770	728
65	931	914	867	799	719	638	592	638	719	799	867	914	931	914	867	799	719	638	592
70	812	794	745	673	588	501	449	501	588	673	745	794	812	794	745	673	588	501	449
75	691	672	621	545	456	363	307	363	456	545	621	672	691	672	621	545	456	363	307
80	575	556	502	423	329	233	171	233	329	423	502	556	575	556	502	423	329	233	171
85	478	459	404	323	226	125	60.5	125	226	323	404	459	478	459	404	323	226	125	60.5
90	407	388	336	260	167	70.5	10.1	70.5	167	260	336	388	407	388	336	260	167	70.5	10.1
95	360	343	296	228	146	60.7	11.2	60.7	146	228	296	343	360	343	296	228	146	60.7	11.2
100	331	315	274	211	135	56.5	13.0	56.5	135	211	274	315	331	315	274	211	135	56.5	13.0
105	306	291	253	195	124	53.0	14.9	53.0	124	195	253	291	306	291	253	195	124	53.0	14.9
110	281	268	233	179	113	49.8	16.6	49.8	113	179	233	268	281	268	233	179	113	49.8	16.6
115	257	245	213	163	101	47.4	18.4	47.4	101	163	213	245	257	245	213	163	101	47.4	18.4
120	233	222	194	143	90.8	45.6	20.2	45.6	90.8	143	194	222	233	222	194	143	90.8	45.6	20.2
125	210	201	175	126	82.8	44.0	22.0	44.0	82.8	126	175	201	210	201	175	126	82.8	44.0	22.0
130	188	180	153	112	76.3	42.7	23.8	42.7	76.3	112	153	180	188	180	153	112	76.3	42.7	23.8
135	168	161	131	101	70.3	41.5	25.5	41.5	70.3	101	131	161	168	161	131	101	70.3	41.5	25.5
140	148	142	113	89.9	64.5	40.9	27.5	40.9	64.5	89.9	113	142	148	142	113	89.9	64.5	40.9	27.5
145	129	124	99.7	80.4	60.1	40.4	29.0	40.4	60.1	80.4	99.7	124	129	124	99.7	80.4	60.1	40.4	29.0
150	112	104	87.9	71.7	56.0	39.7	30.4	39.7	56.0	71.7	87.9	104	112	104	87.9	71.7	56.0	39.7	30.4
155	95.2	85.6	76.2	64.1	51.8	39.0	31.8	39.0	51.8	64.1	76.2	85.6	95.2	85.6	76.2	64.1	51.8	39.0	31.8
160	79.3	69.4	64.6	57.0	47.5	38.2	32.9	38.2	47.5	57.0	64.6	69.4	79.3	69.4	64.6	57.0	47.5	38.2	32.9
165	64.1	57.2	54.6	49.9	43.6	37.5	33.9	37.5	43.6	49.9	54.6	57.2	64.1	57.2	54.6	49.9	43.6	37.5	33.9
170	51.1	47.2	46.0	43.5	40.0	36.7	34.7	36.7	40.0	43.5	46.0	47.2	51.1	47.2	46.0	43.5	40.0	36.7	34.7
175	40.7	39.3	39.1	38.3	37.2	35.9	35.3	35.9	37.2	38.3	39.1	39.3	40.7	39.3	39.1	38.3	37.2	35.9	35.3
180	35.3	35.0	35.1	35.2	35.4	35.5	35.6	35.5	35.4	35.2	35.1	35.0	35.3	35.0	35.1	35.2	35.4	35.5	35.6

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:230.34V I:0.2238A P:49.949W PF:0.9688 Freq:49.99Hz		
UTHDi:0.22% ITHDi:9.04% KDisp:0.9729 Lamp Flux:6499.08x1 lm		
NAME: NU28-LC-52W-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	1578	1578	1578	1578	1578														
5	1572	1573	1575	1577	1578														
10	1556	1560	1566	1571	1574														
15	1527	1537	1549	1559	1565														
20	1488	1503	1521	1537	1547														
25	1436	1459	1484	1505	1519														
30	1374	1404	1435	1462	1480														
35	1299	1337	1376	1409	1431														
40	1214	1259	1305	1345	1371														
45	1117	1170	1224	1270	1300														
50	1011	1071	1132	1184	1219														
55	895	962	1030	1088	1127														
60	770	844	919	982	1025														
65	638	719	799	867	914														
70	501	588	673	745	794														
75	363	456	545	621	672														
80	233	329	423	502	556														
85	125	226	323	404	459														
90	70.5	167	260	336	388														
95	60.7	146	228	296	343														
100	56.5	135	211	274	315														
105	53.0	124	195	253	291														
110	49.8	113	179	233	268														
115	47.4	101	163	213	245														
120	45.6	90.8	143	194	222														
125	44.0	82.8	126	175	201														
130	42.7	76.3	112	153	180														
135	41.5	70.3	101	131	161														
140	40.9	64.5	89.9	113	142														
145	40.4	60.1	80.4	99.7	124														
150	39.7	56.0	71.7	87.9	104														
155	39.0	51.8	64.1	76.2	85.6														
160	38.2	47.5	57.0	64.6	69.4														
165	37.5	43.6	49.9	54.6	57.2														
170	36.7	40.0	43.5	46.0	47.2														
175	35.9	37.2	38.3	39.1	39.3														
180	35.5	35.4	35.2	35.1	35.0														

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: