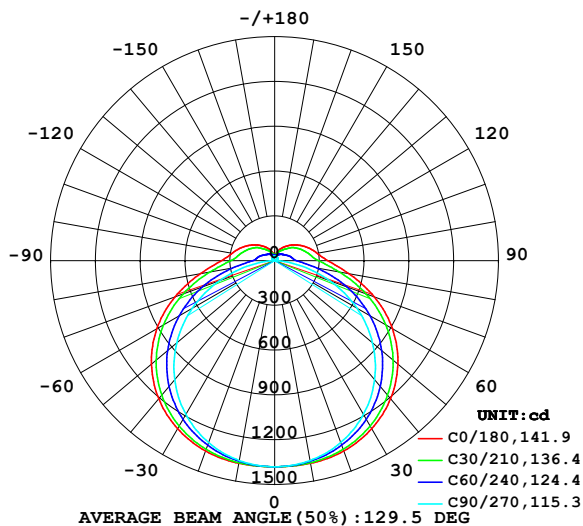


LUMINAIRE PHOTOMETRIC TEST REPORT

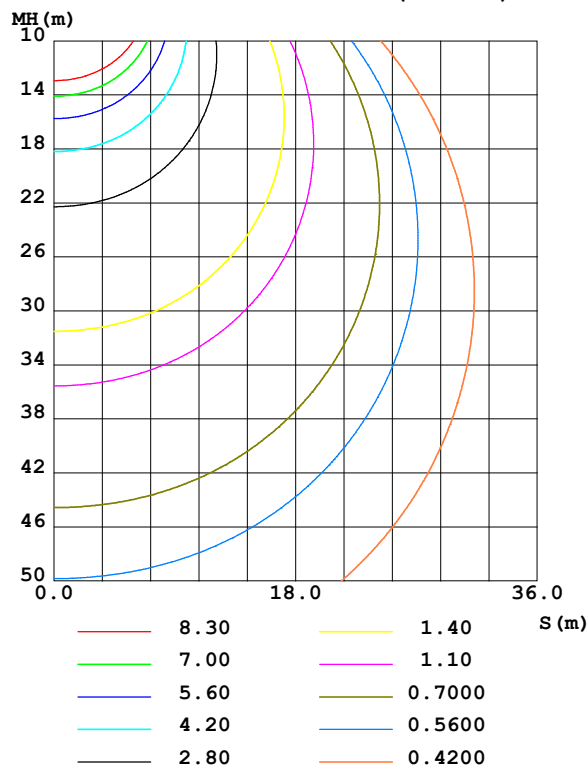
Test:U:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.13% KDisp:0.9620 Lamp Flux:5687.33x1 lm		
NAME: NU28-LC-44W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 131.50 lm/W			
MODEL	NU28	I _{max} (cd)	1381	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)	5687.3	□ UP,DN(C0-180)	6.6,43.4
NOMINAL FLUX(lm)	5687.33	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	6.6,43.4
LAMPS INSIDE	1	□ up (%)	13.3	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	□ down (%)	86.7	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	1379	1370	1360	1370	1379	1370	1360	1370	0- 10	131.3	131.3	2.31,2.31
20	1357	1331	1296	1331	1357	1331	1296	1331	10- 20	382.7	514.0	9.04,9.04
30	1301	1256	1190	1256	1301	1256	1190	1256	20- 30	597.4	1111	19.5,19.5
40	1208	1142	1042	1142	1208	1142	1042	1142	30- 40	749.7	1861	32.7,32.7
50	1078	990.2	855.8	990.2	1078	990.2	855.8	990.2	40- 50	819.4	2680	47.1,47.1
60	911.0	803.4	636.5	803.4	911.0	803.4	636.5	803.4	50- 60	795.1	3475	61.1,61.1
70	711.2	588.8	391.8	588.8	711.2	588.8	391.8	588.8	60- 70	677.2	4153	73,73
80	504.8	369.8	148.1	369.8	504.8	369.8	148.1	369.8	70- 80	486.5	4639	81.6,81.6
90	357.7	227.5	7.866	227.5	357.7	227.5	7.866	227.5	80- 90	294.1	4933	86.7,86.7
100	290.2	184.5	11.03	184.5	290.2	184.5	11.03	184.5	90-100	202.8	5136	90.3,90.3
110	246.8	157.7	14.09	157.7	246.8	157.7	14.09	157.7	100-110	166.8	5303	93.2,93.2
120	204.4	125.5	17.30	125.5	204.4	125.5	17.30	125.5	110-120	131.8	5435	95.6,95.6
130	165.3	98.46	20.58	98.46	165.3	98.46	20.58	98.46	120-130	98.00	5533	97.3,97.3
140	130.0	78.81	24.02	78.81	130.0	78.81	24.02	78.81	130-140	68.39	5601	98.5,98.5
150	98.33	62.69	26.93	62.69	98.33	62.69	26.93	62.69	140-150	44.62	5646	99.3,99.3
160	69.74	49.88	29.31	49.88	69.74	49.88	29.31	49.88	150-160	26.01	5672	99.7,99.7
170	45.08	38.28	31.04	38.28	45.08	38.28	31.04	38.28	160-170	12.33	5684	99.9,99.9
180	31.88	31.50	31.88	31.50	31.88	31.50	31.88	31.50	170-180	3.336	5687	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2267.7 lm

%lum = 39.9%

%lamp = 39.9%

Conical surface Flux(130deg): 3834.1 lm

%lum = 67.4%

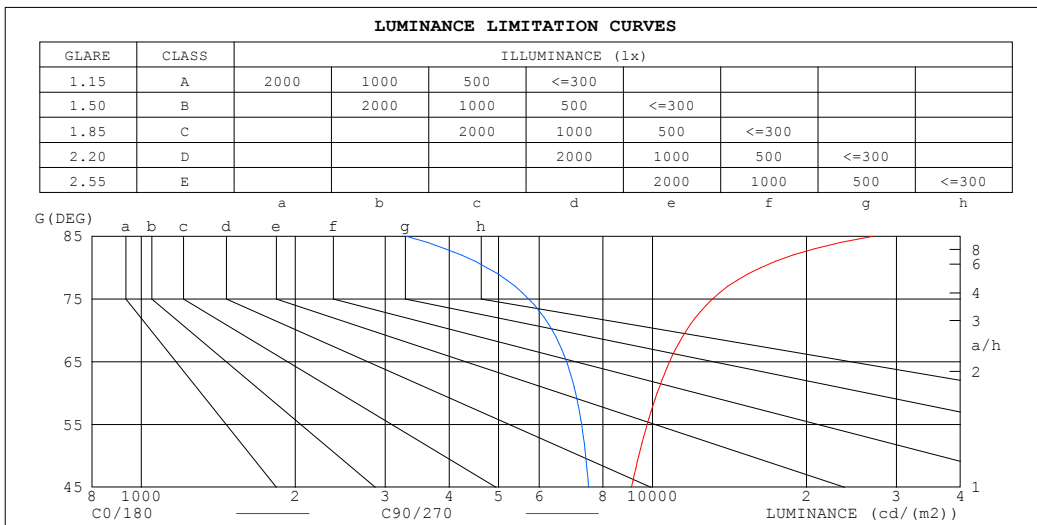
%lamp = 67.4%

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

□ 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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.13% KDisp:0.9620		Lamp Flux:5687.33x1 lm
NAME: NU28-LC-44W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	27009	3301
80	16287	4739
75	13099	5725
70	11651	6365
65	10799	6791
60	10209	7073
55	9762	7266
50	9398	7398
45	9095	7494

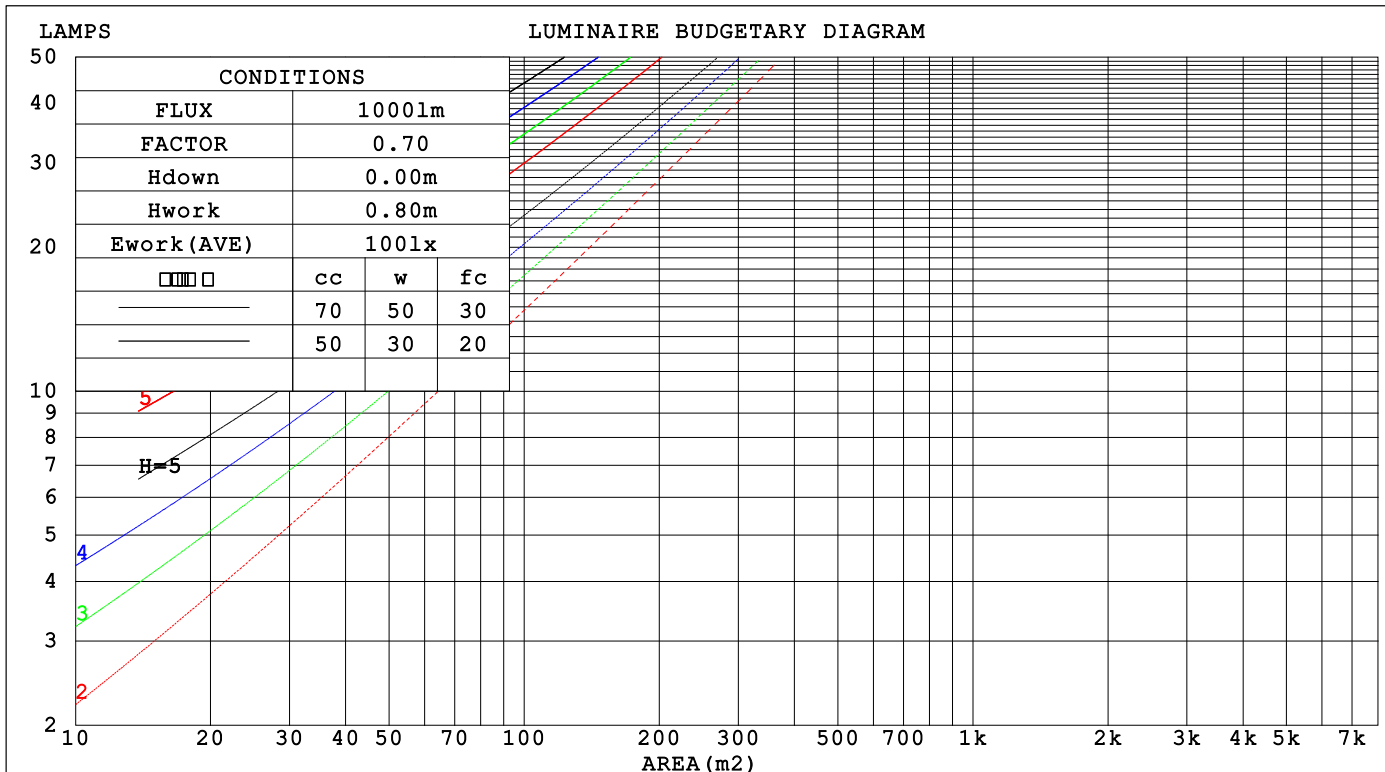
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:QC
Test Date:2022-06-24

☐ 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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.13% KDisp:0.9620		Lamp Flux:5687.33x1 lm
NAME: NU28-LC-44W-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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.13% KDisp:0.9620		Lamp Flux:5687.33x1 lm
NAME: NU28-LC-44W-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	.292 .292 .292	.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 .171	.163 .140 .119	.094 .081 .070	.030 .026 .023	
3.0	.271 .218 .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 .169 .130	.151 .118 .092	.088 .069 .055	.028 .023 .018	
6.0	.248 .187 .143	.214 .162 .124	.147 .113 .088	.085 .067 .052	.028 .022 .017	
7.0	.242 .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	.137 .104 .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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz UTHDi:0.21% ITHDi:11.13% KDisp:0.9620Lamp Flux:5687.33x1 lm										
NAME: NU28-LC-44W-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	12.8	14.2	13.3	14.7	15.1
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	20.0	14.9	16.1	15.4	16.6	17.1
6H	18.9	20.0	19.4	20.6	21.1	15.2	16.4	15.8	16.9	17.5
8H	19.5	20.6	20.0	21.2	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	17.5
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	18.3
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	22.9	16.8	17.7	17.4	18.3	18.9
12H	21.6	22.4	22.3	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	21.3	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	19.9
12H	22.6	23.2	23.3	23.8	24.6	18.2	18.7	18.8	19.3	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	20.7	21.3	21.3	21.9	22.6	18.0	18.6	18.6	19.3	20.0
8H	21.7	22.2	22.4	22.9	23.6	18.4	18.9	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, 5687 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 6.0)
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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.13% KDisp:0.9620 Lamp Flux:5687.33x1 lm		
NAME: NU28-LC-44W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

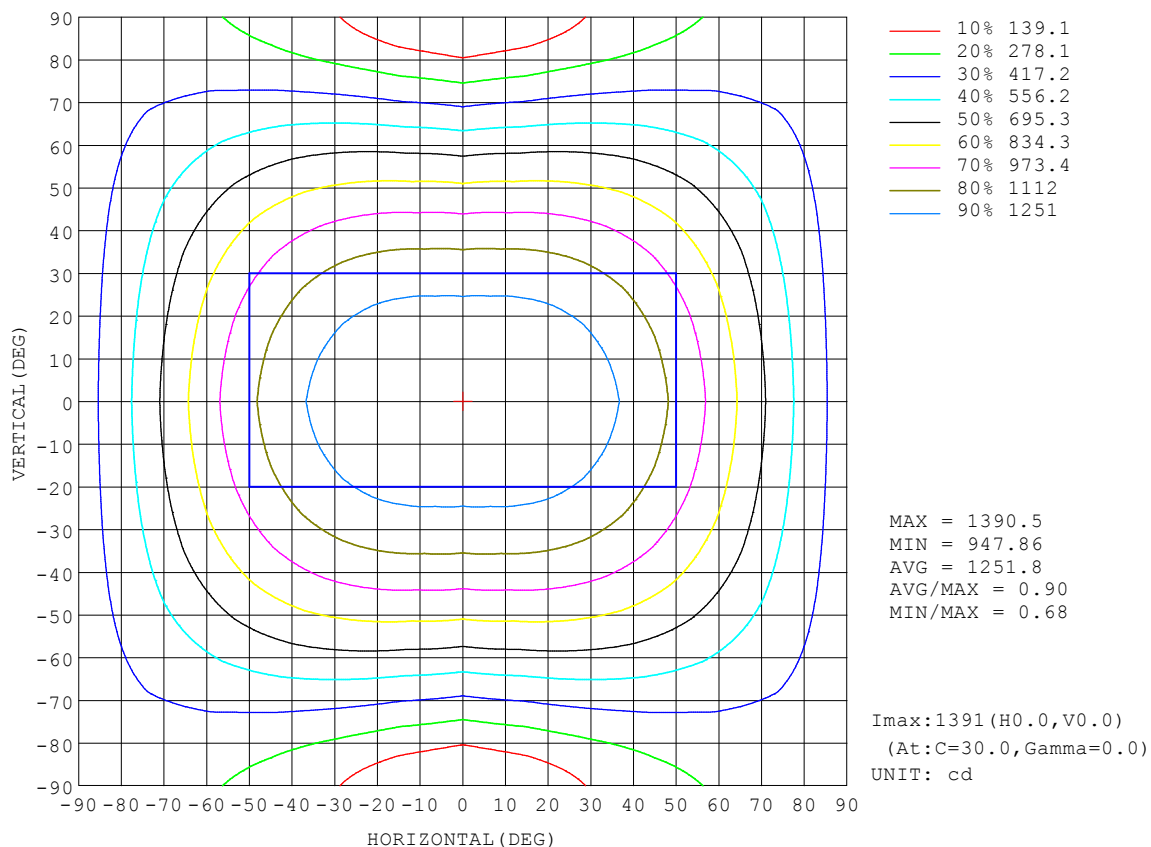
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	47	37	30	23
0.80	60	47	39	58	46	39	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	68	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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz UTHDi:0.21% ITHDi:11.13% KDisp:0.9620 Lamp Flux:5687.33x1 lm		
NAME: NU28-LC-44W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

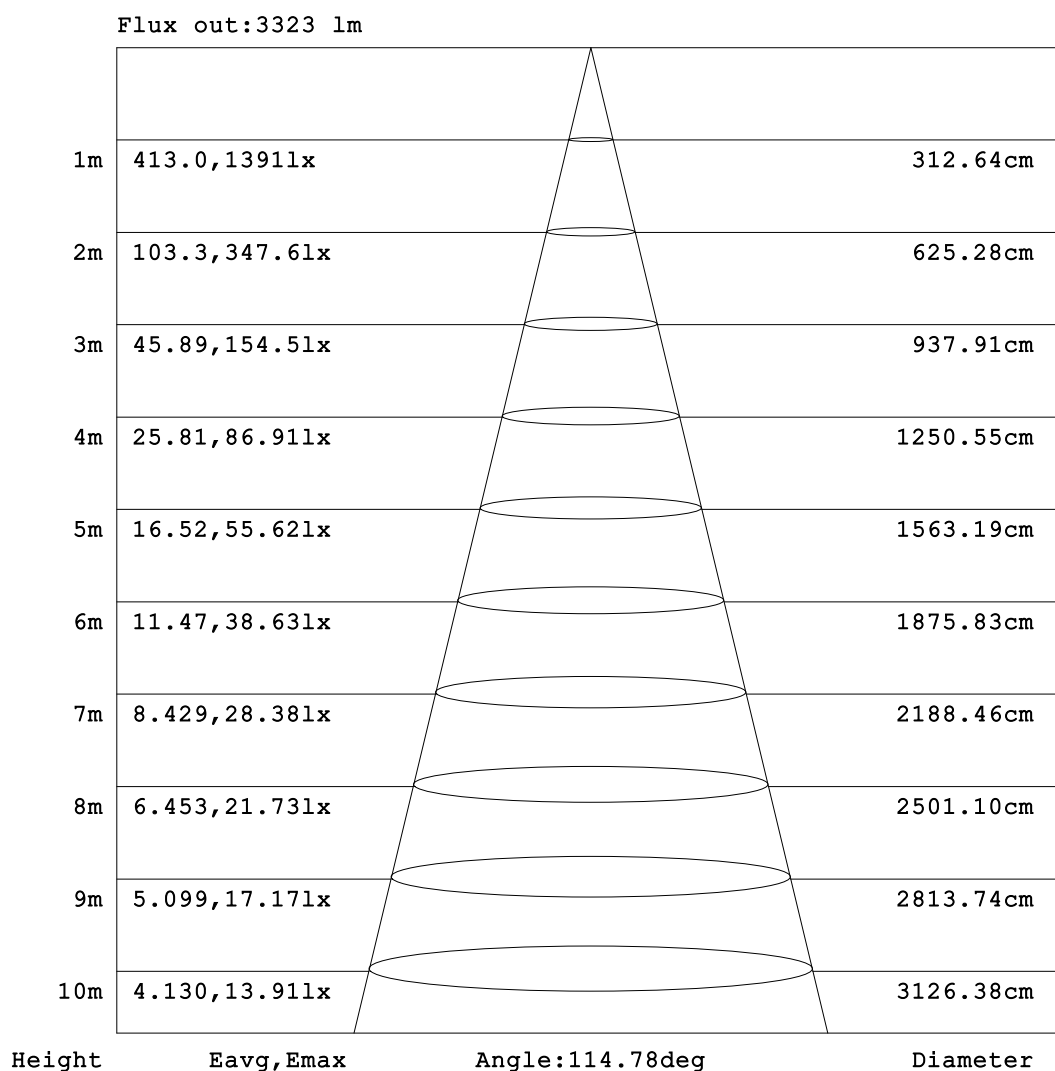


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:QC
 Test Date:2022-06-24

☐ 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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz UTHDi:0.21% ITHDi:11.13% KDisp:0.9620 Lamp Flux:5687.33x1 lm		
NAME: NU28-LC-44W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



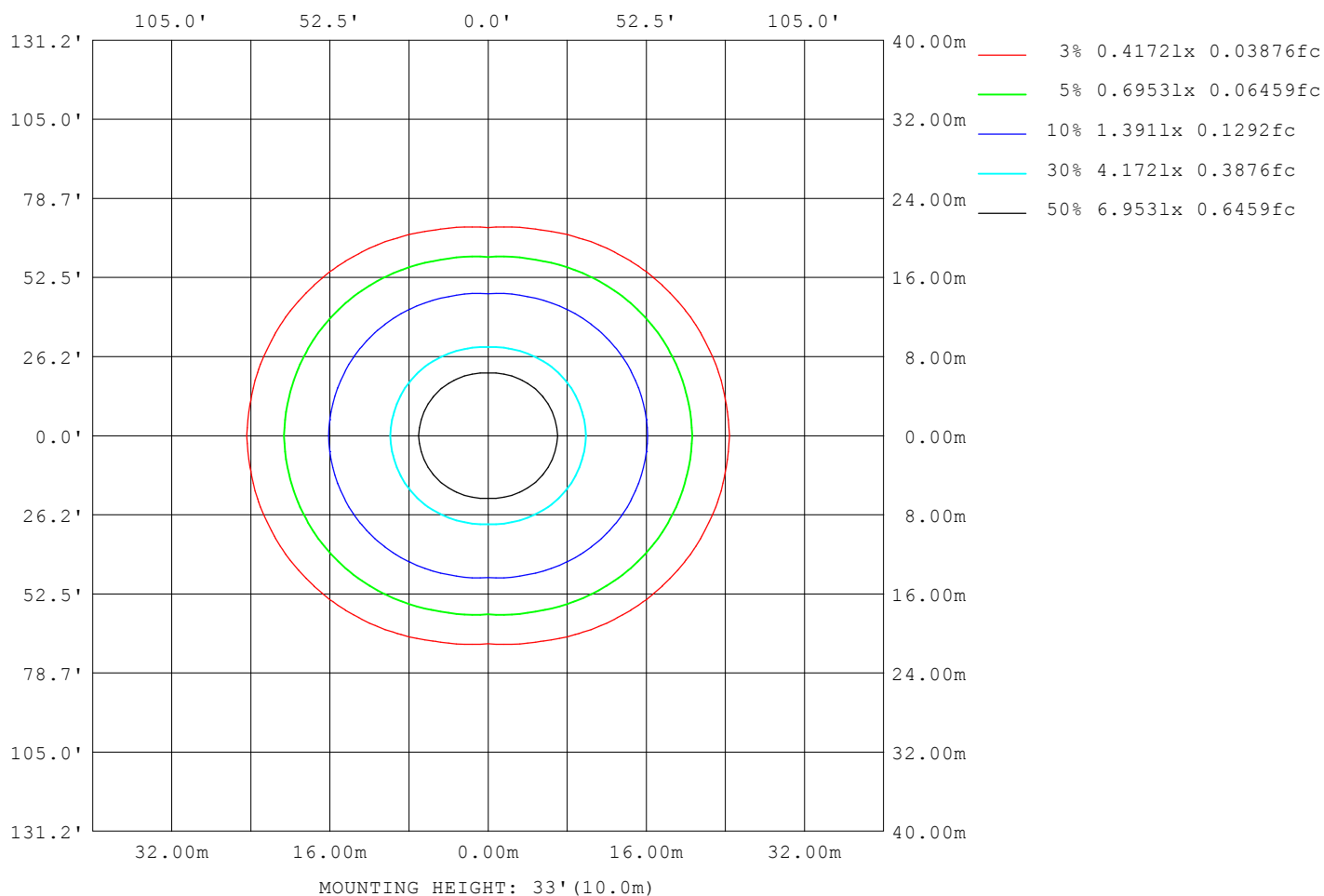
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°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:

ISOLUX DIAGRAM

Test:U:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.13% KDisp:0.9620 Lamp Flux:5687.33x1 lm		
NAME: NU28-LC-44W-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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz UTHDi:0.21% ITHDi:11.13% KDisp:0.9620 Lamp Flux:5687.33x1 lm		
NAME: NU28-LC-44W-1500K-40H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

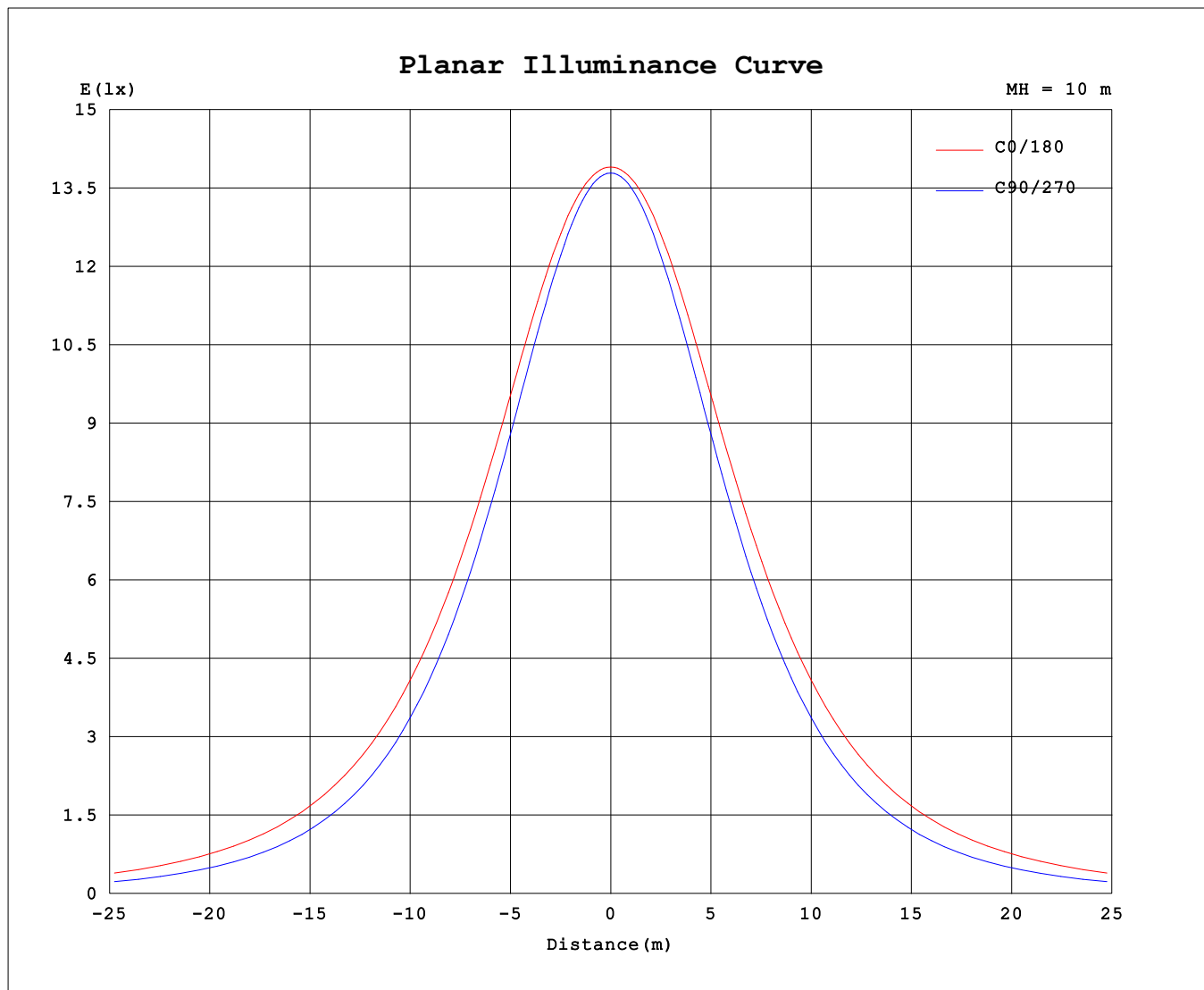
AvgL	cd/m2
L_0~180 (65) av	10725
L_0~180 (75) av	13009
L_0~180 (85) av	26824
L_90~270 (65) av	6801
L_90~270 (75) av	5733
L_90~270 (85) av	3306
L_45 (65) av	9199
L_45 (75) av	10246
L_45 (85) av	18077

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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.13% KDisp:0.9620		Lamp Flux:5687.33x1 lm
NAME: NU28-LC-44W-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	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381	1381
5	1381	1380	1380	1378	1377	1376	1376	1376	1377	1378	1380	1380	1381	1380	1380	1378	1377	1376	1376
10	1379	1378	1375	1370	1365	1361	1360	1361	1365	1370	1375	1378	1379	1378	1375	1370	1365	1361	1360
15	1371	1369	1364	1355	1345	1336	1334	1336	1345	1355	1364	1369	1371	1369	1364	1355	1345	1336	1334
20	1357	1353	1345	1331	1315	1302	1296	1302	1315	1331	1345	1353	1357	1353	1345	1331	1315	1302	1296
25	1333	1329	1317	1298	1277	1257	1248	1257	1277	1298	1317	1329	1333	1329	1317	1298	1277	1257	1248
30	1301	1295	1280	1256	1228	1202	1190	1202	1228	1256	1280	1295	1301	1295	1280	1256	1228	1202	1190
35	1259	1252	1233	1204	1169	1137	1121	1137	1169	1204	1233	1252	1259	1252	1233	1204	1169	1137	1121
40	1208	1199	1177	1142	1101	1062	1042	1062	1101	1142	1177	1199	1208	1199	1177	1142	1101	1062	1042
45	1148	1138	1111	1071	1023	977	954	977	1023	1071	1111	1138	1148	1138	1111	1071	1023	977	954
50	1078	1067	1036	990	936	884	856	884	936	990	1036	1067	1078	1067	1036	990	936	884	856
55	999	986	952	901	841	782	750	782	841	901	952	986	999	986	952	901	841	782	750
60	911	897	859	803	738	673	636	673	738	803	859	897	911	897	859	803	738	673	636
65	814	799	759	699	628	557	516	557	628	699	759	799	814	799	759	699	628	557	516
70	711	695	652	589	514	437	392	437	514	589	652	695	711	695	652	589	514	437	392
75	605	588	543	477	398	317	267	317	398	477	543	588	605	588	543	477	398	317	267
80	505	487	439	370	288	203	148	203	288	370	439	487	505	487	439	370	288	203	148
85	420	402	354	283	198	109	51.8	109	198	283	354	402	420	402	354	283	198	109	51.8
90	358	341	295	227	146	61.6	7.87	61.6	146	227	295	341	358	341	295	227	146	61.6	7.87
95	316	301	260	199	127	53.1	9.38	53.1	127	199	260	301	316	301	260	199	127	53.1	9.38
100	290	276	239	184	118	49.4	11.0	49.4	118	184	239	276	290	276	239	184	118	49.4	11.0
105	268	256	222	171	109	46.6	12.7	46.6	109	171	222	256	268	256	222	171	109	46.6	12.7
110	247	235	204	158	99.8	43.4	14.1	43.4	99.8	158	204	235	247	235	204	158	99.8	43.4	14.1
115	225	215	187	143	88.5	41.7	15.7	41.7	88.5	143	187	215	225	215	187	143	88.5	41.7	15.7
120	204	195	170	125	79.7	39.9	17.3	39.9	79.7	125	170	195	204	195	170	125	79.7	39.9	17.3
125	184	176	154	110	72.7	38.5	18.9	38.5	72.7	110	154	176	184	176	154	110	72.7	38.5	18.9
130	165	158	134	98.5	66.7	37.2	20.6	37.2	66.7	98.5	134	158	165	158	134	98.5	66.7	37.2	20.6
135	147	141	115	87.9	61.5	36.3	22.2	36.3	61.5	87.9	115	141	147	141	115	87.9	61.5	36.3	22.2
140	130	125	99.6	78.8	56.4	35.7	24.0	35.7	56.4	78.8	99.6	125	130	125	99.6	78.8	56.4	35.7	24.0
145	114	108	86.3	70.4	52.5	35.3	25.5	35.3	52.5	70.4	86.3	108	114	108	86.3	70.4	52.5	35.3	25.5
150	98.3	92.9	77.0	62.7	48.9	34.8	26.9	34.8	48.9	62.7	77.0	92.9	98.3	92.9	77.0	62.7	48.9	34.8	26.9
155	83.7	75.3	66.8	56.0	45.4	34.3	28.2	34.3	45.4	56.0	66.8	75.3	83.7	75.3	66.8	56.0	45.4	34.3	28.2
160	69.7	61.2	56.7	49.9	41.7	33.7	29.3	33.7	41.7	49.9	56.7	61.2	69.7	61.2	56.7	49.9	41.7	33.7	29.3
165	56.7	49.8	47.7	43.7	38.3	33.0	30.3	33.0	38.3	43.7	47.7	49.8	56.7	49.8	47.7	43.7	38.3	33.0	30.3
170	45.1	41.3	40.3	38.3	35.3	32.4	31.0	32.4	35.3	38.3	40.3	41.3	45.1	41.3	40.3	38.3	35.3	32.4	31.0
175	36.1	34.6	34.4	33.8	32.8	31.9	31.7	31.9	32.8	33.8	34.4	34.6	36.1	34.6	34.4	33.8	32.8	31.9	31.7
180	31.9	31.3	31.4	31.5	31.7	31.8	31.9	31.8	31.7	31.5	31.4	31.3	31.9	31.3	31.4	31.5	31.7	31.8	31.9

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:230.46V I:0.1956A P:43.248W PF:0.9592 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.13% KDisp:0.9620 Lamp Flux:5687.33x1 lm		
NAME: NU28-LC-44W-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	1381	1381	1381	1381	1381														
5	1376	1377	1378	1380	1380														
10	1361	1365	1370	1375	1378														
15	1336	1345	1355	1364	1369														
20	1302	1315	1331	1345	1353														
25	1257	1277	1298	1317	1329														
30	1202	1228	1256	1280	1295														
35	1137	1169	1204	1233	1252														
40	1062	1101	1142	1177	1199														
45	977	1023	1071	1111	1138														
50	884	936	990	1036	1067														
55	782	841	901	952	986														
60	673	738	803	859	897														
65	557	628	699	759	799														
70	437	514	589	652	695														
75	317	398	477	543	588														
80	203	288	370	439	487														
85	109	198	283	354	402														
90	61.6	146	227	295	341														
95	53.1	127	199	260	301														
100	49.4	118	184	239	276														
105	46.6	109	171	222	256														
110	43.4	99.8	158	204	235														
115	41.7	88.5	143	187	215														
120	39.9	79.7	125	170	195														
125	38.5	72.7	110	154	176														
130	37.2	66.7	98.5	134	158														
135	36.3	61.5	87.9	115	141														
140	35.7	56.4	78.8	99.6	125														
145	35.3	52.5	70.4	86.3	108														
150	34.8	48.9	62.7	77.0	92.9														
155	34.3	45.4	56.0	66.8	75.3														
160	33.7	41.7	49.9	56.7	61.2														
165	33.0	38.3	43.7	47.7	49.8														
170	32.4	35.3	38.3	40.3	41.3														
175	31.9	32.8	33.8	34.4	34.6														
180	31.8	31.7	31.5	31.4	31.3														

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: