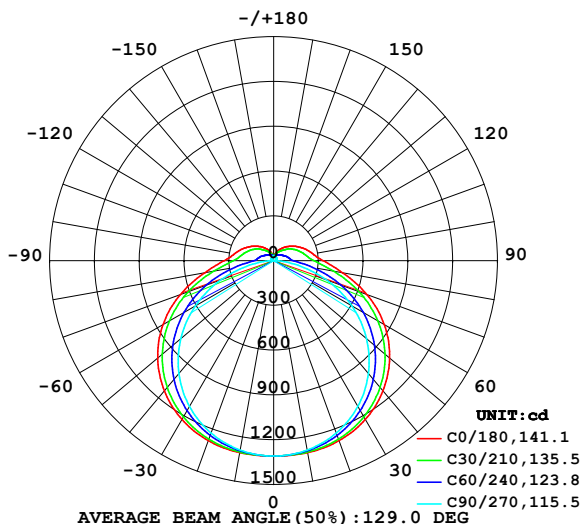


LUMINAIRE PHOTOMETRIC TEST REPORT

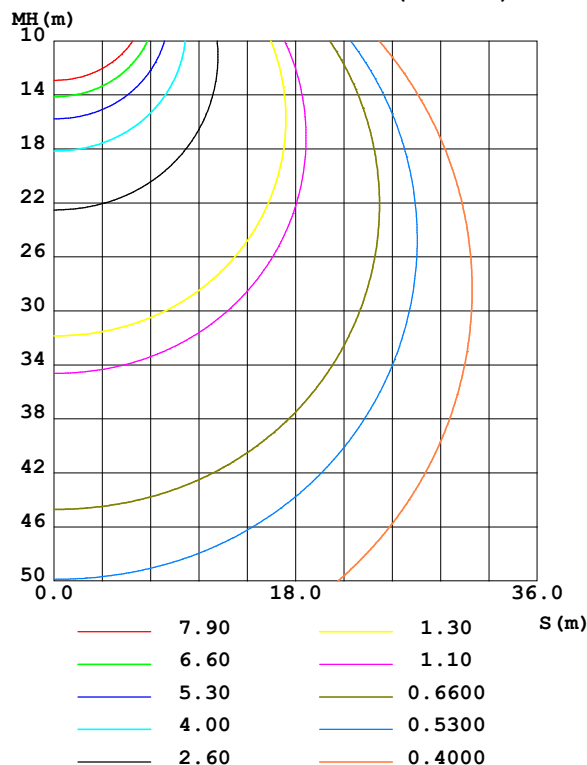
Test:U:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.32% KDisp:0.9610 Lamp Flux:5334.54x1 lm		
NAME: NU28-LC-44W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 124.81 lm/W			
MODEL	NU28	Imax (cd)	1309	S/MH(C0/180)	1.40
NOMINAL POWER(W)	44	LOR (%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	5334.5	□ UP,DN(C0-180)	6.5,43.5
NOMINAL FLUX(lm)	5334.54	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	6.5,43.5
LAMPS INSIDE	1	□ up (%)	12.9	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	□ down (%)	87.1	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	1306	1298	1289	1298	1306	1298	1289	1298	0- 10	124.4	124.4	2.33,2.33
20	1283	1260	1229	1260	1283	1260	1229	1260	10- 20	362.4	486.9	9.13,9.13
30	1229	1187	1128	1187	1229	1187	1128	1187	20- 30	565.2	1052	19.7,19.7
40	1139	1077	988.2	1077	1139	1077	988.2	1077	30- 40	708.3	1760	33,33
50	1015	931.6	812.1	931.6	1015	931.6	812.1	931.6	40- 50	773.0	2533	47.5,47.5
60	855.7	753.6	605.0	753.6	855.7	753.6	605.0	753.6	50- 60	748.6	3282	61.5,61.5
70	665.8	549.4	374.6	549.4	665.8	549.4	374.6	549.4	60- 70	635.8	3918	73.4,73.4
80	469.6	341.5	145.1	341.5	469.6	341.5	145.1	341.5	70- 80	454.5	4372	82,82
90	331.0	206.7	12.12	206.7	331.0	206.7	12.12	206.7	80- 90	271.7	4644	87.1,87.1
100	267.8	167.1	13.19	167.1	267.8	167.1	13.19	167.1	90-100	185.9	4830	90.5,90.5
110	227.4	141.8	15.73	141.8	227.4	141.8	15.73	141.8	100-110	152.5	4982	93.4,93.4
120	188.3	113.6	18.25	113.6	188.3	113.6	18.25	113.6	110-120	120.6	5103	95.7,95.7
130	152.1	90.08	20.87	90.08	152.1	90.08	20.87	90.08	120-130	89.62	5192	97.3,97.3
140	119.6	72.54	23.68	72.54	119.6	72.54	23.68	72.54	130-140	62.69	5255	98.5,98.5
150	89.56	57.42	26.24	57.42	89.56	57.42	26.24	57.42	140-150	40.99	5296	99.3,99.3
160	64.00	45.63	28.46	45.63	64.00	45.63	28.46	45.63	150-160	23.87	5320	99.7,99.7
170	41.81	35.29	30.09	35.29	41.81	35.29	30.09	35.29	160-170	11.39	5331	99.9,99.9
180	31.07	30.52	30.93	30.52	31.07	30.52	30.93	30.52	170-180	3.129	5335	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2144.2 lm

%lum = 40.2%

%lamp = 40.2%

Conical surface Flux(130deg): 3619 lm

%lum = 67.8%

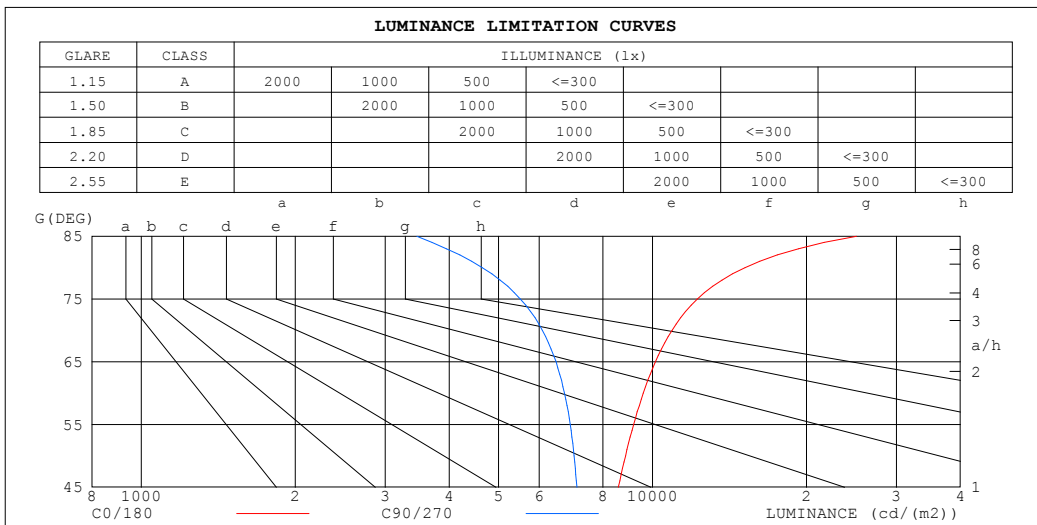
%lamp = 67.8%

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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.32% KDisp:0.9610 Lamp Flux:5334.54x1 lm		
NAME: NU28-LC-44W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	25069	3459
80	15160	4646
75	12244	5514
70	10913	6088
65	10133	6475
60	9594	6726
55	9184	6902
50	8852	7023
45	8575	7110

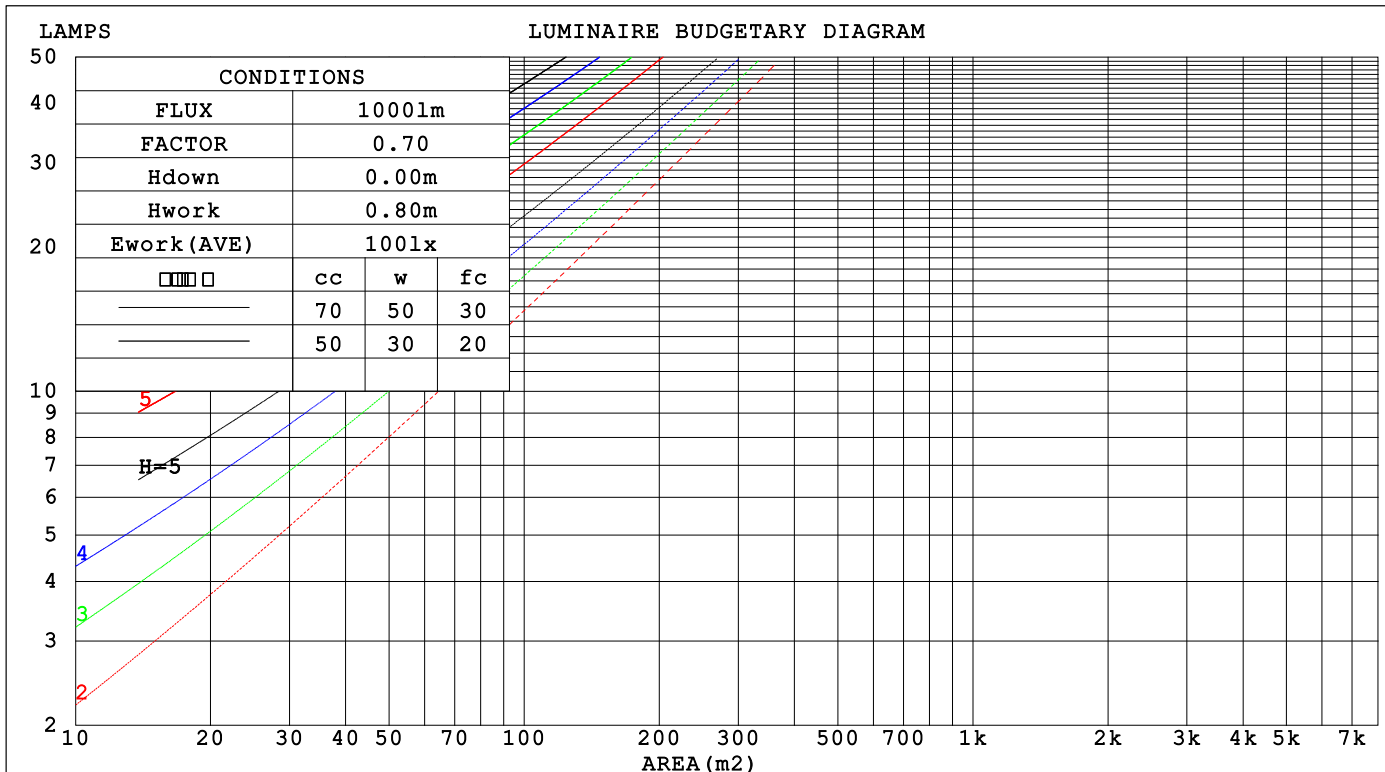
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3°C
 Operators:QC
 Test Date:2022-06-22

☐ 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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.32% KDisp:0.9610		Lamp Flux:5334.54x1 lm
NAME: NU28-LC-44W-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	.57	.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	.36	.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	.34	.28	.41	.33	.27	.39	.31	.26	.36	.30	.25	.34	.29	.24	.22														
9.0	.39	.30	.25	.37	.30	.24	.35	.28	.23	.33	.27	.23	.31	.26	.22	.20														
10.0	.36	.27	.22	.35	.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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.32% KDisp:0.9610		Lamp Flux:5334.54x1 lm
NAME: NU28-LC-44W-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 .135 .040	.253 .132 .039	.237 .126 .038	.223 .120 .036	.210 .114 .035	
5.0	.238 .122 .035	.231 .119 .035	.217 .113 .033	.205 .108 .032	.192 .103 .031	
6.0	.219 .110 .031	.213 .108 .031	.200 .103 .030	.189 .098 .029	.178 .094 .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 .077 .022	.144 .073 .021	
10.0	.165 .079 .022	.161 .078 .022	.152 .074 .021	.143 .071 .020	.136 .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	.289 .289 .289	.247 .247 .247	.169 .169 .169	.097 .097 .097	.031 .031 .031	
1.0	.283 .255 .230	.242 .219 .198	.166 .151 .137	.095 .087 .080	.031 .028 .026	
2.0	.276 .232 .195	.236 .200 .169	.162 .138 .118	.093 .080 .069	.030 .026 .022	
3.0	.268 .215 .173	.230 .186 .150	.158 .129 .105	.091 .075 .062	.029 .024 .020	
4.0	.261 .202 .158	.224 .175 .137	.154 .122 .096	.089 .071 .057	.029 .023 .019	
5.0	.253 .192 .147	.218 .166 .128	.150 .116 .091	.087 .068 .054	.028 .022 .018	
6.0	.246 .184 .140	.211 .160 .122	.146 .112 .086	.085 .066 .051	.027 .021 .017	
7.0	.239 .178 .135	.206 .154 .117	.142 .108 .083	.083 .064 .049	.027 .021 .016	
8.0	.232 .172 .131	.200 .149 .114	.138 .105 .081	.081 .062 .048	.026 .020 .016	
9.0	.226 .167 .127	.195 .145 .111	.135 .102 .079	.079 .060 .047	.025 .020 .016	
10.0	.220 .163 .125	.190 .142 .109	.132 .100 .077	.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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz UTHDi:0.21% ITHDi:11.32% KDisp:0.9610Lamp Flux:5334.54x1 lm											
NAME: NU28-LC-44W-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	14.9	16.1	16.7
4H		17.7	18.9	18.2	19.4	19.9	15.0	16.2	15.5	16.7	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	16.6	16.0	17.1	17.6
12H		20.2	21.3	20.7	21.8	22.4	15.5	16.5	16.0	17.1	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	21.5	22.1	16.8	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	17.8	17.6	18.4	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	18.6	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, 5335 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.8)
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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.32% KDisp:0.9610 Lamp Flux:5334.54x1 lm		
NAME: NU28-LC-44W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

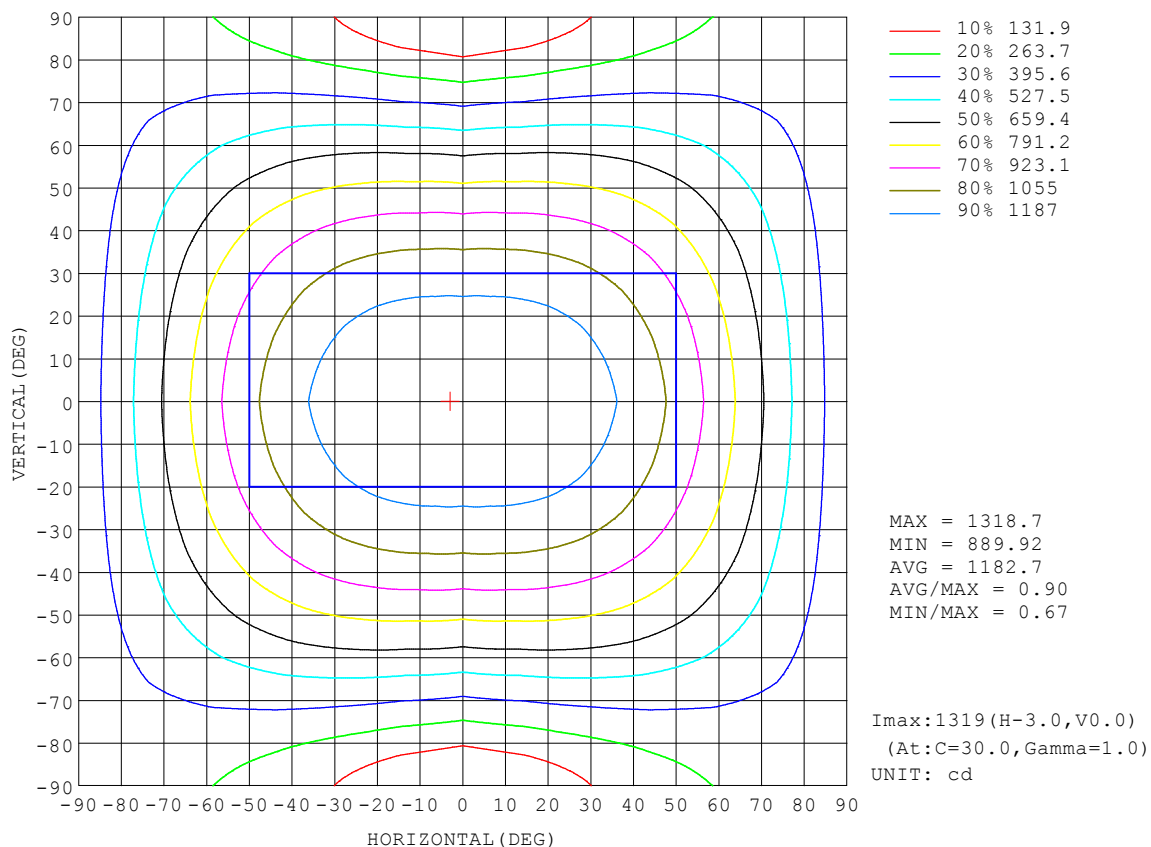
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	48	37	30	24
0.80	60	47	39	58	47	39	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	70	85	75	68	80	72	66	55
2.50	92	82	75	89	80	74	83	76	71	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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.32% KDisp:0.9610 Lamp Flux:5334.54x1 lm		
NAME: NU28-LC-44W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

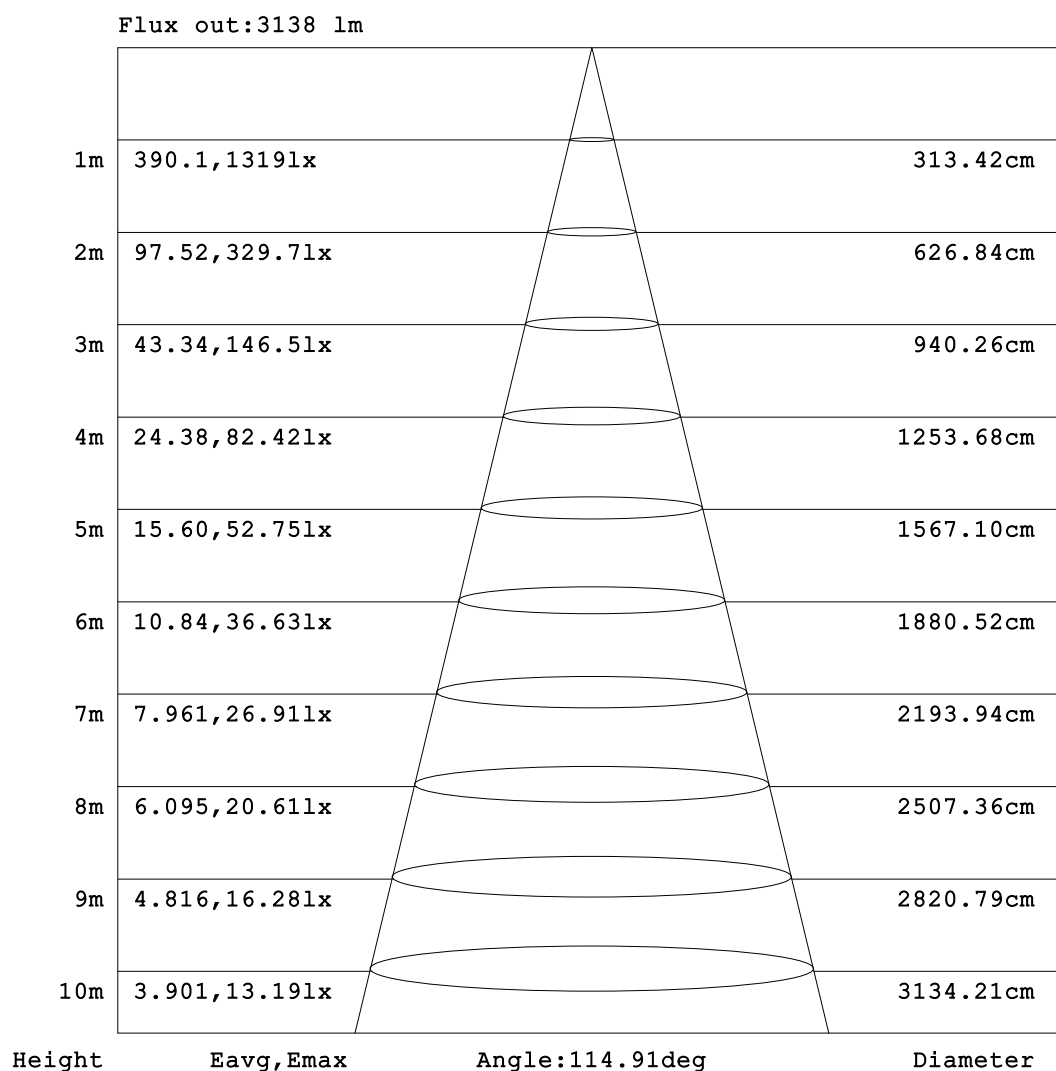


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3°C
Operators:QC
Test Date:2022-06-22

☐ 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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.32% KDisp:0.9610 Lamp Flux:5334.54x1 lm		
NAME: NU28-LC-44W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



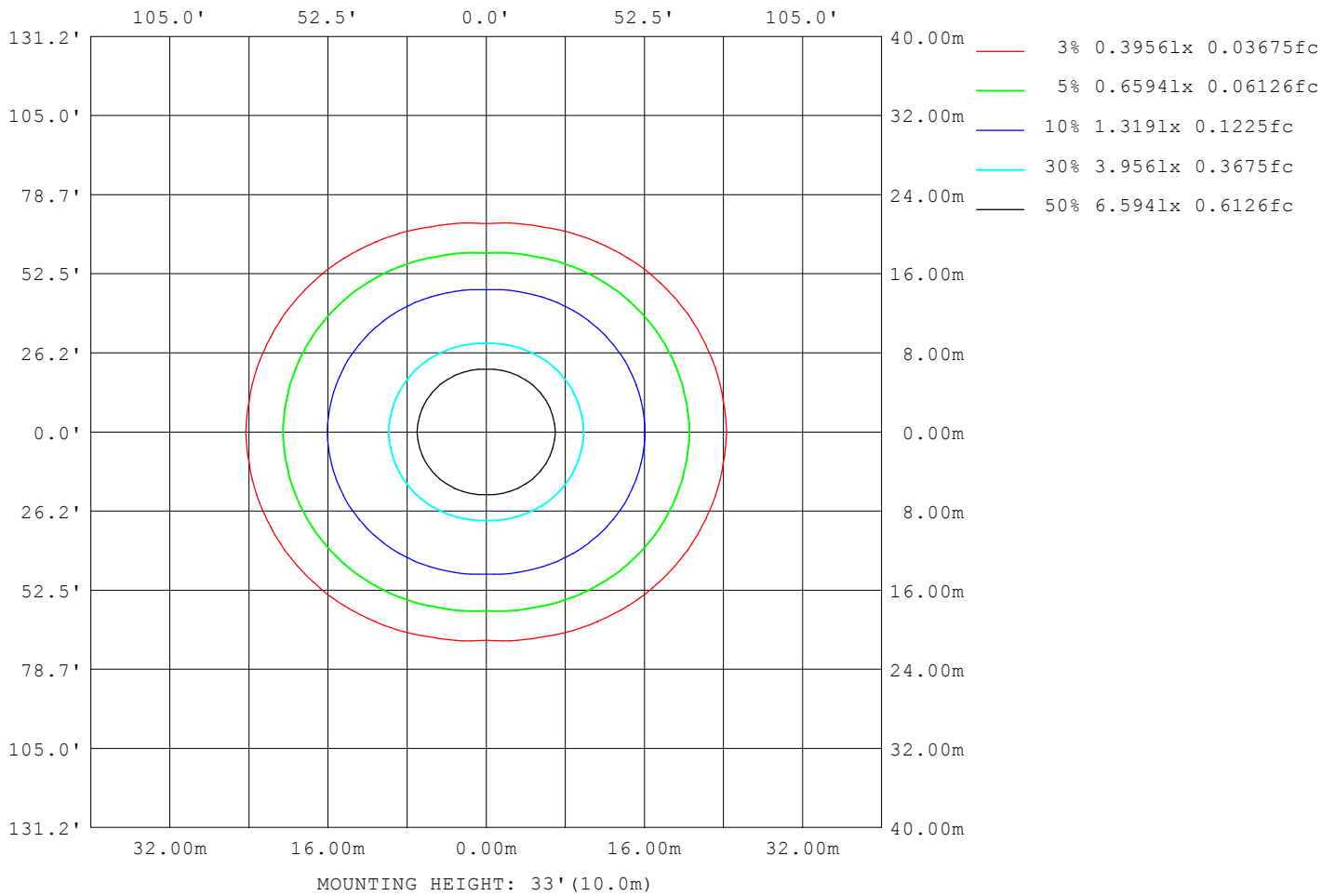
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

☐ 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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz UTHDi:0.21% ITHDi:11.32% KDisp:0.9610 Lamp Flux:5334.54x1 lm		
NAME: NU28-LC-44W-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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz UTHDi:0.21% ITHDi:11.32% KDisp:0.9610 Lamp Flux:5334.54x1 lm		
NAME: NU28-LC-44W-1500K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

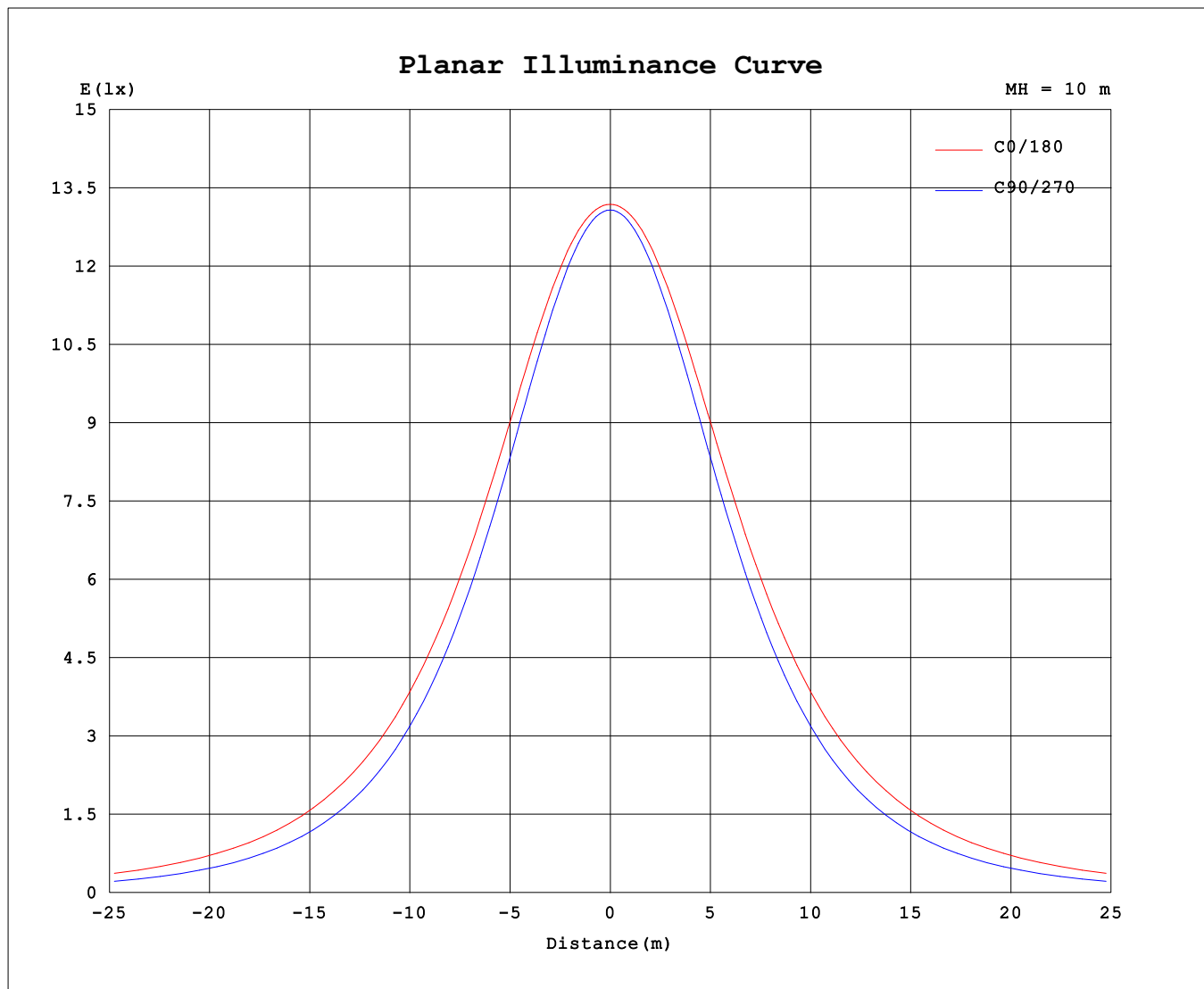
AvgL	cd/m2
L_0~180 (65) av	10058
L_0~180 (75) av	12153
L_0~180 (85) av	24884
L_90~270 (65) av	6482
L_90~270 (75) av	5520
L_90~270 (85) av	3462
L_45 (65) av	8611
L_45 (75) av	9522
L_45 (85) av	16540

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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.32% KDisp:0.9610 Lamp Flux:5334.54x1 lm		
NAME: NU28-LC-44W-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	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309	1309
5	1309	1308	1308	1306	1305	1304	1304	1304	1305	1306	1308	1308	1309	1308	1308	1306	1305	1304	1304
10	1306	1305	1302	1298	1294	1290	1289	1290	1294	1298	1302	1305	1306	1305	1302	1298	1294	1290	1289
15	1298	1296	1291	1283	1274	1267	1264	1267	1274	1283	1291	1296	1298	1296	1291	1283	1274	1267	1264
20	1283	1280	1272	1260	1245	1234	1229	1234	1245	1260	1272	1280	1283	1280	1272	1260	1245	1234	1229
25	1260	1256	1245	1228	1208	1191	1183	1191	1208	1228	1245	1256	1260	1256	1245	1228	1208	1191	1183
30	1229	1223	1209	1187	1161	1139	1128	1139	1161	1187	1209	1223	1229	1223	1209	1187	1161	1139	1128
35	1188	1181	1163	1136	1104	1077	1063	1077	1104	1136	1163	1181	1188	1181	1163	1136	1104	1077	1063
40	1139	1131	1109	1077	1039	1005	988	1005	1039	1077	1109	1131	1139	1131	1109	1077	1039	1005	988
45	1082	1072	1046	1009	965	925	904	925	965	1009	1046	1072	1082	1072	1046	1009	965	925	904
50	1015	1003	975	932	882	837	812	837	882	932	975	1003	1015	1003	975	932	882	837	812
55	940	927	894	846	791	740	712	740	791	846	894	927	940	927	894	846	791	740	712
60	856	841	806	754	693	637	605	637	693	754	806	841	856	841	806	754	693	637	605
65	764	748	710	654	589	528	492	528	589	654	710	748	764	748	710	654	589	528	492
70	666	649	608	549	480	414	375	414	480	549	608	649	666	649	608	549	480	414	375
75	565	548	505	443	370	300	257	300	370	443	505	548	565	548	505	443	370	300	257
80	470	452	407	342	265	191	145	191	265	342	407	452	470	452	407	342	265	191	145
85	390	371	326	259	180	103	54.2	103	180	259	326	371	390	371	326	259	180	103	54.2
90	331	313	270	207	131	57.8	12.1	57.8	131	207	270	313	331	313	270	207	131	57.8	12.1
95	292	277	238	181	114	49.8	11.9	49.8	114	181	238	277	292	277	238	181	114	49.8	11.9
100	268	254	219	167	105	46.4	13.2	46.4	105	167	219	254	268	254	219	167	105	46.4	13.2
105	247	235	202	155	97.4	43.9	14.6	43.9	97.4	155	202	235	247	235	202	155	97.4	43.9	14.6
110	227	216	186	142	88.6	41.0	15.7	41.0	88.6	142	186	216	227	216	186	142	88.6	41.0	15.7
115	208	197	171	130	79.4	38.9	17.0	38.9	79.4	130	171	197	208	197	171	130	79.4	38.9	17.0
120	188	179	154	114	71.9	37.3	18.3	37.3	71.9	114	154	179	188	179	154	114	71.9	37.3	18.3
125	170	162	140	101	65.5	36.0	19.6	36.0	65.5	101	140	162	170	162	140	101	65.5	36.0	19.6
130	152	145	122	90.1	60.5	34.7	20.9	34.7	60.5	90.1	122	145	152	145	122	90.1	60.5	34.7	20.9
135	135	128	105	81.4	55.6	33.7	22.3	33.7	55.6	81.4	105	128	135	128	105	81.4	55.6	33.7	22.3
140	120	114	91.3	72.5	51.2	33.1	23.7	33.1	51.2	72.5	91.3	114	120	114	91.3	72.5	51.2	33.1	23.7
145	105	99.3	80.4	64.9	47.5	32.8	25.0	32.8	47.5	64.9	80.4	99.3	105	99.3	80.4	64.9	47.5	32.8	25.0
150	89.6	83.1	70.4	57.4	44.4	32.4	26.2	32.4	44.4	57.4	70.4	83.1	89.6	83.1	70.4	57.4	44.4	32.4	26.2
155	76.6	69.1	61.2	51.3	41.2	31.9	27.4	31.9	41.2	51.3	61.2	69.1	76.6	69.1	61.2	51.3	41.2	31.9	27.4
160	64.0	56.0	51.8	45.6	38.1	31.4	28.5	31.4	38.1	45.6	51.8	56.0	64.0	56.0	51.8	45.6	38.1	31.4	28.5
165	52.2	46.2	43.8	40.1	35.2	31.0	29.4	31.0	35.2	40.1	43.8	46.2	52.2	46.2	43.8	40.1	35.2	31.0	29.4
170	41.8	38.2	37.2	35.3	32.7	30.7	30.1	30.7	32.7	35.3	37.2	38.2	41.8	38.2	37.2	35.3	32.7	30.7	30.1
175	33.8	32.1	32.1	31.5	31.0	30.7	30.7	30.7	31.0	31.5	32.1	32.1	33.8	32.1	32.1	31.5	31.0	30.7	30.7
180	31.1	30.2	30.3	30.5	30.7	30.9	30.9	30.9	30.7	30.5	30.3	30.2	31.1	30.2	30.3	30.5	30.7	30.9	30.9

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:230.36V I:0.1934A P:42.741W PF:0.9594 Freq:49.99Hz		
UTHDi:0.21% ITHDi:11.32% KDisp:0.9610 Lamp Flux:5334.54x1 lm		
NAME: NU28-LC-44W-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	1309	1309	1309	1309	1309													
5	1304	1305	1306	1308	1308													
10	1290	1294	1298	1302	1305													
15	1267	1274	1283	1291	1296													
20	1234	1245	1260	1272	1280													
25	1191	1208	1228	1245	1256													
30	1139	1161	1187	1209	1223													
35	1077	1104	1136	1163	1181													
40	1005	1039	1077	1109	1131													
45	925	965	1009	1046	1072													
50	837	882	932	975	1003													
55	740	791	846	894	927													
60	637	693	754	806	841													
65	528	589	654	710	748													
70	414	480	549	608	649													
75	300	370	443	505	548													
80	191	265	342	407	452													
85	103	180	259	326	371													
90	57.8	131	207	270	313													
95	49.8	114	181	238	277													
100	46.4	105	167	219	254													
105	43.9	97.4	155	202	235													
110	41.0	88.6	142	186	216													
115	38.9	79.4	130	171	197													
120	37.3	71.9	114	154	179													
125	36.0	65.5	101	140	162													
130	34.7	60.5	90.1	122	145													
135	33.7	55.6	81.4	105	128													
140	33.1	51.2	72.5	91.3	114													
145	32.8	47.5	64.9	80.4	99.3													
150	32.4	44.4	57.4	70.4	83.1													
155	31.9	41.2	51.3	61.2	69.1													
160	31.4	38.1	45.6	51.8	56.0													
165	31.0	35.2	40.1	43.8	46.2													
170	30.7	32.7	35.3	37.2	38.2													
175	30.7	31.0	31.5	32.1	32.1													
180	30.9	30.7	30.5	30.3	30.2													

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: