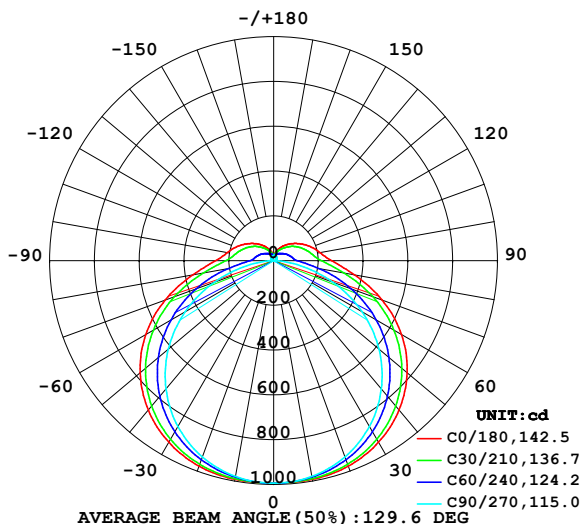


LUMINAIRE PHOTOMETRIC TEST REPORT

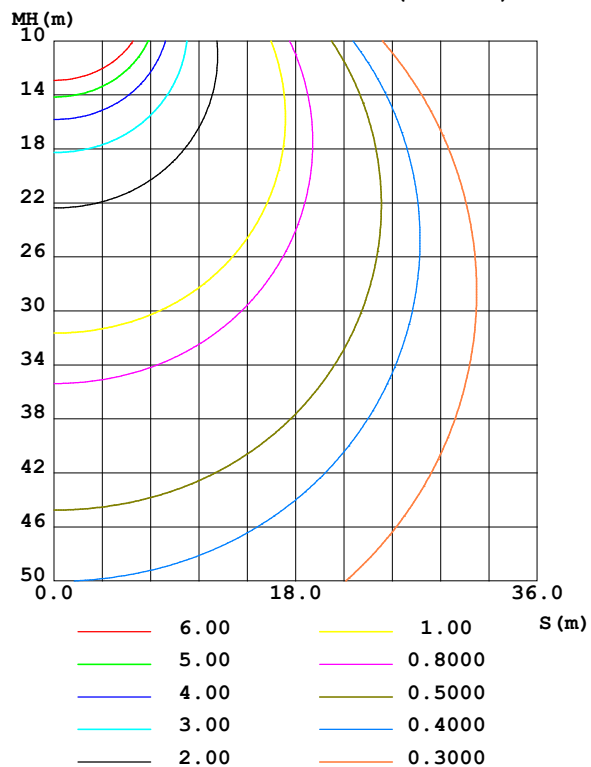
Test:U:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511 Lamp Flux:4104.43x1 lm		
NAME: NU28-LC-34W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 127.55 lm/W			
MODEL	NU28	I <sub>max</sub> (cd)	994.1	S/MH(C0/180)	1.41
NOMINAL POWER(W)	34	LOR(%)	100.0	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	4104.4	□ UP,DN(C0-180)	6.7,43.3
NOMINAL FLUX(lm)	4104.43	CIE CLASS	SEMI-D.	□ UP,DN(C180-360)	6.7,43.3
LAMPS INSIDE	1	□ up (%)	13.4	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	□ down (%)	86.6	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:2022-06-21

□ 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	992.0	985.7	978.7	985.7	992.0	985.7	978.7	985.7	0- 10	94.48	94.48	2.3,2.3
20	976.2	957.5	932.6	957.5	976.2	957.5	932.6	957.5	10- 20	275.3	369.8	9.01,9.01
30	936.7	903.5	855.3	903.5	936.7	903.5	855.3	903.5	20- 30	429.8	799.6	19.5,19.5
40	871.1	821.5	748.4	821.5	871.1	821.5	748.4	821.5	30- 40	539.4	1339	32.6,32.6
50	778.4	712.4	613.7	712.4	778.4	712.4	613.7	712.4	40- 50	589.6	1929	47,47
60	659.1	578.2	455.5	578.2	659.1	578.2	455.5	578.2	50- 60	572.3	2501	60.9,60.9
70	515.8	423.9	280.4	423.9	515.8	423.9	280.4	423.9	60- 70	488.0	2989	72.8,72.8
80	366.2	266.8	106.2	266.8	366.2	266.8	106.2	266.8	70- 80	351.2	3340	81.4,81.4
90	259.6	164.0	5.647	164.0	259.6	164.0	5.647	164.0	80- 90	212.6	3553	86.6,86.6
100	210.8	133.5	7.818	133.5	210.8	133.5	7.818	133.5	90-100	146.9	3700	90.1,90.1
110	179.3	114.4	10.26	114.4	179.3	114.4	10.26	114.4	100-110	121.1	3821	93.1,93.1
120	148.6	94.34	12.45	94.34	148.6	94.34	12.45	94.34	110-120	96.57	3917	95.4,95.4
130	120.2	74.80	14.86	74.80	120.2	74.80	14.86	74.80	120-130	72.43	3990	97.2,97.2
140	94.73	59.31	17.17	59.31	94.73	59.31	17.17	59.31	130-140	50.85	4041	98.4,98.4
150	71.83	46.78	19.44	46.78	71.83	46.78	19.44	46.78	140-150	33.09	4074	99.2,99.2
160	51.36	36.44	21.14	36.44	51.36	36.44	21.14	36.44	150-160	19.22	4093	99.7,99.7
170	33.17	28.30	22.40	28.30	33.17	28.30	22.40	28.30	160-170	9.128	4102	99.9,99.9
180	22.90	22.81	22.99	22.81	22.90	22.81	22.99	22.81	170-180	2.460	4104	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1631.6 lm

%lum = 39.8%

%lamp = 39.8%

Conical surface Flux(130deg): 2759.3 lm

%lum = 67.2%

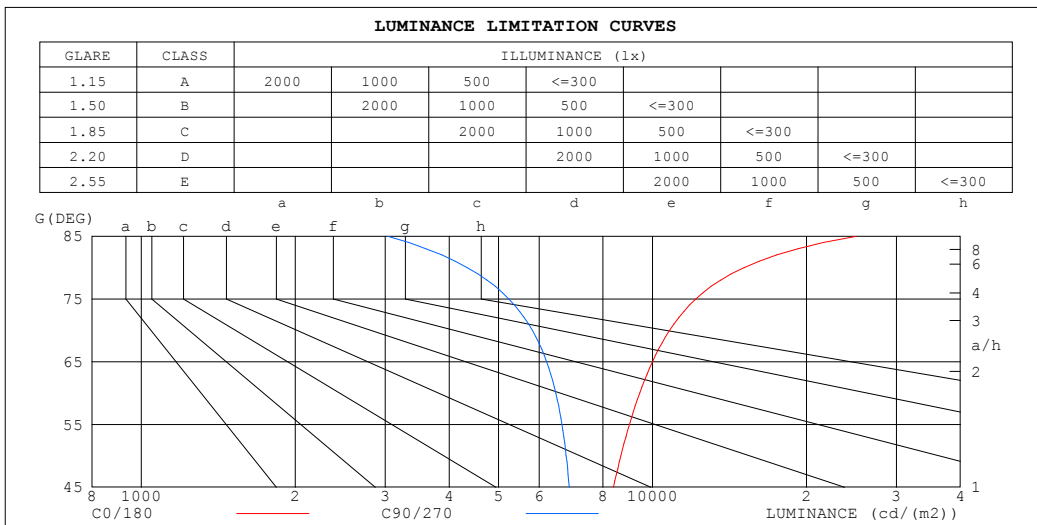
%lamp = 67.2%

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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511 Lamp Flux:4104.43x1 lm		
NAME: NU28-LC-34W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	25051	3036
80	15100	4341
75	12153	5235
70	10797	5818
65	9994	6206
60	9438	6466
55	9014	6651
50	8671	6777
45	8386	6868

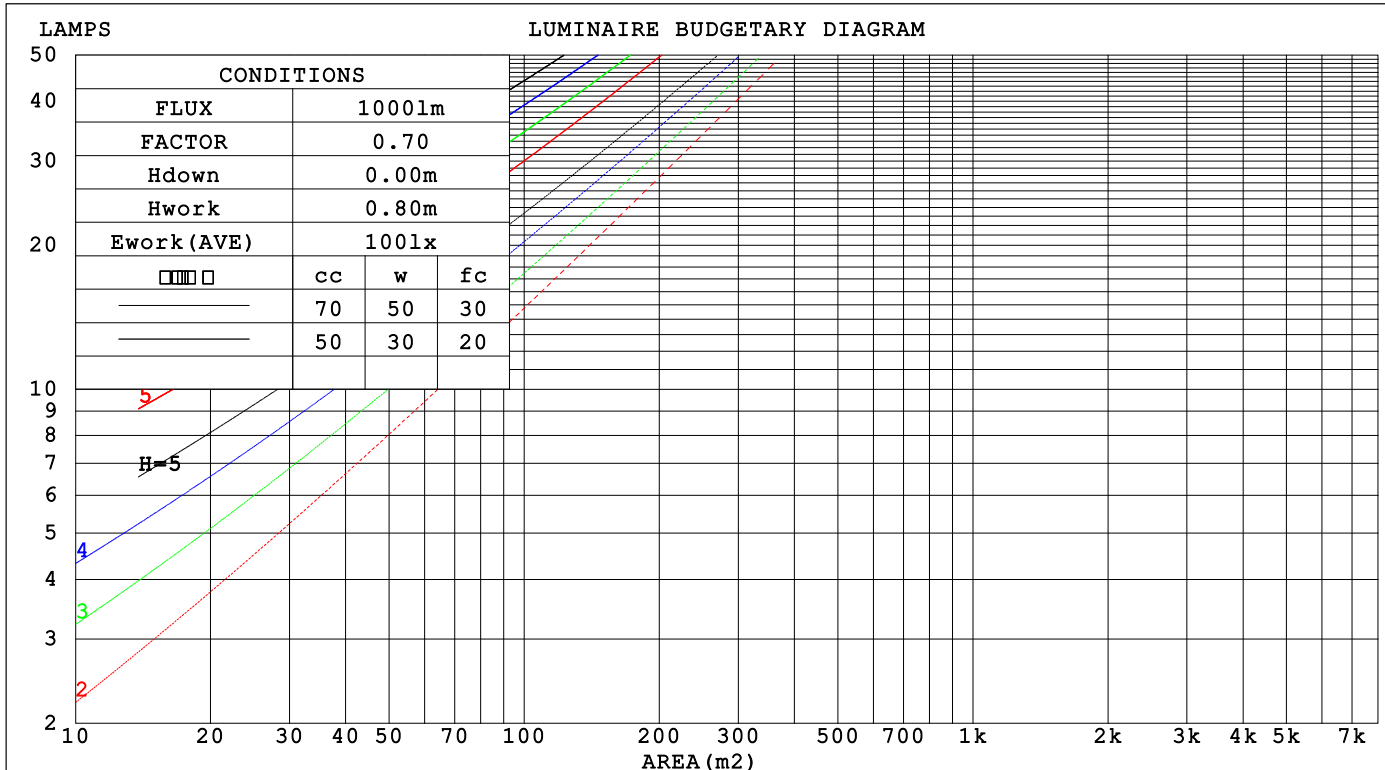
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2022-06-21

☐ 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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511		Lamp Flux:4104.43x1 lm
NAME: NU28-LC-34W-1200K-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	.96	.96	.96	.90	.90	.90	.87														
1.0	.98	.93	.89	.95	.90	.86	.88	.84	.81	.82	.79	.76	.76	.74	.71	.68														
2.0	.84	.77	.71	.81	.74	.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	.48	.46														
4.0	.65	.55	.48	.62	.54	.47	.58	.51	.45	.54	.48	.43	.50	.45	.41	.38														
5.0	.57	.48	.41	.55	.47	.40	.52	.44	.38	.48	.42	.37	.45	.40	.35	.33														
6.0	.51	.42	.35	.50	.41	.35	.46	.39	.33	.43	.37	.32	.41	.35	.31	.28														
7.0	.46	.37	.31	.45	.36	.30	.42	.35	.29	.39	.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	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.26	.22	.20														
10.0	.35	.27	.22	.34	.27	.22	.32	.26	.21	.31	.25	.20	.29	.23	.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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511 Lamp Flux:4104.43x1 lm		
NAME: NU28-LC-34W-1200K-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	.357 .203 .064	.346 .197 .063	.325 .186 .059	.305 .176 .057	.287 .167 .054	
2.0	.319 .175 .054	.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	.230 .128 .039	
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	.185 .094 .027	.175 .089 .026	.164 .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	.161 .080 .023	.152 .076 .022	.144 .073 .021	
10.0	.165 .079 .022	.161 .078 .022	.152 .074 .021	.143 .071 .020	.135 .068 .019	

<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	.293 .293 .293	.250 .250 .250	.171 .171 .171	.098 .098 .098	.031 .031 .031	
1.0	.287 .259 .234	.245 .222 .201	.168 .153 .139	.097 .088 .081	.031 .028 .026	
2.0	.280 .236 .199	.240 .203 .172	.164 .140 .120	.095 .082 .070	.030 .026 .023	
3.0	.272 .219 .176	.233 .189 .153	.160 .131 .107	.093 .077 .063	.030 .025 .021	
4.0	.265 .206 .162	.227 .178 .140	.156 .124 .099	.090 .073 .058	.029 .024 .019	
5.0	.257 .196 .151	.221 .170 .132	.152 .119 .093	.088 .070 .055	.028 .023 .018	
6.0	.250 .188 .144	.215 .163 .125	.148 .114 .089	.086 .067 .053	.028 .022 .017	
7.0	.243 .182 .139	.209 .157 .121	.144 .110 .086	.084 .065 .051	.027 .021 .017	
8.0	.236 .176 .134	.203 .153 .117	.141 .107 .083	.082 .063 .050	.026 .021 .016	
9.0	.230 .171 .131	.198 .149 .114	.137 .104 .081	.080 .062 .048	.026 .020 .016	
10.0	.224 .167 .129	.193 .145 .112	.134 .102 .080	.078 .060 .048	.025 .020 .016	

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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz UTHDi:0.20% ITHDi:11.41% KDisp:0.9511Lamp Flux:4104.43x1 lm											
NAME: NU28-LC-34W-1200K-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		15.2	16.6	15.6	17.0	17.5	13.6	15.1	14.1	15.5	16.0
3H		17.4	18.7	17.9	19.2	19.7	15.1	16.4	15.6	16.9	17.4
4H		18.6	19.8	19.1	20.3	20.8	15.7	16.9	16.2	17.4	17.9
6H		19.8	20.9	20.3	21.4	22.0	16.0	17.2	16.6	17.7	18.3
8H		20.4	21.5	20.9	22.0	22.6	16.1	17.2	16.7	17.8	18.3
12H		21.1	22.2	21.7	22.7	23.3	16.1	17.2	16.7	17.8	18.3
4H 2H		15.7	17.0	16.2	17.4	18.0	14.6	15.8	15.1	16.3	16.8
3H		18.2	19.3	18.7	19.8	20.4	16.3	17.4	16.8	17.9	18.5
4H		19.5	20.5	20.1	21.1	21.7	17.0	18.0	17.6	18.5	19.2
6H		20.9	21.8	21.5	22.4	23.0	17.5	18.4	18.1	19.0	19.6
8H		21.7	22.5	22.3	23.1	23.7	17.6	18.5	18.2	19.1	19.7
12H		22.5	23.3	23.1	23.9	24.6	17.7	18.5	18.3	19.1	19.8
8H 4H		19.8	20.6	20.4	21.2	21.9	17.7	18.5	18.3	19.1	19.8
6H		21.4	22.1	22.1	22.8	23.5	18.5	19.2	19.1	19.8	20.5
8H		22.4	23.0	23.0	23.6	24.4	18.8	19.4	19.4	20.0	20.8
12H		23.5	24.0	24.2	24.7	25.5	19.0	19.5	19.6	20.2	20.9
12H 4H		19.8	20.6	20.4	21.2	21.8	17.9	18.6	18.5	19.2	19.9
6H		21.5	22.1	22.2	22.8	23.5	18.8	19.4	19.5	20.1	20.8
8H		22.6	23.1	23.2	23.8	24.5	19.2	19.8	19.9	20.4	21.2
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, 4104 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.9)  
Area: 0.1407 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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511 Lamp Flux:4104.43x1 lm		
NAME: NU28-LC-34W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

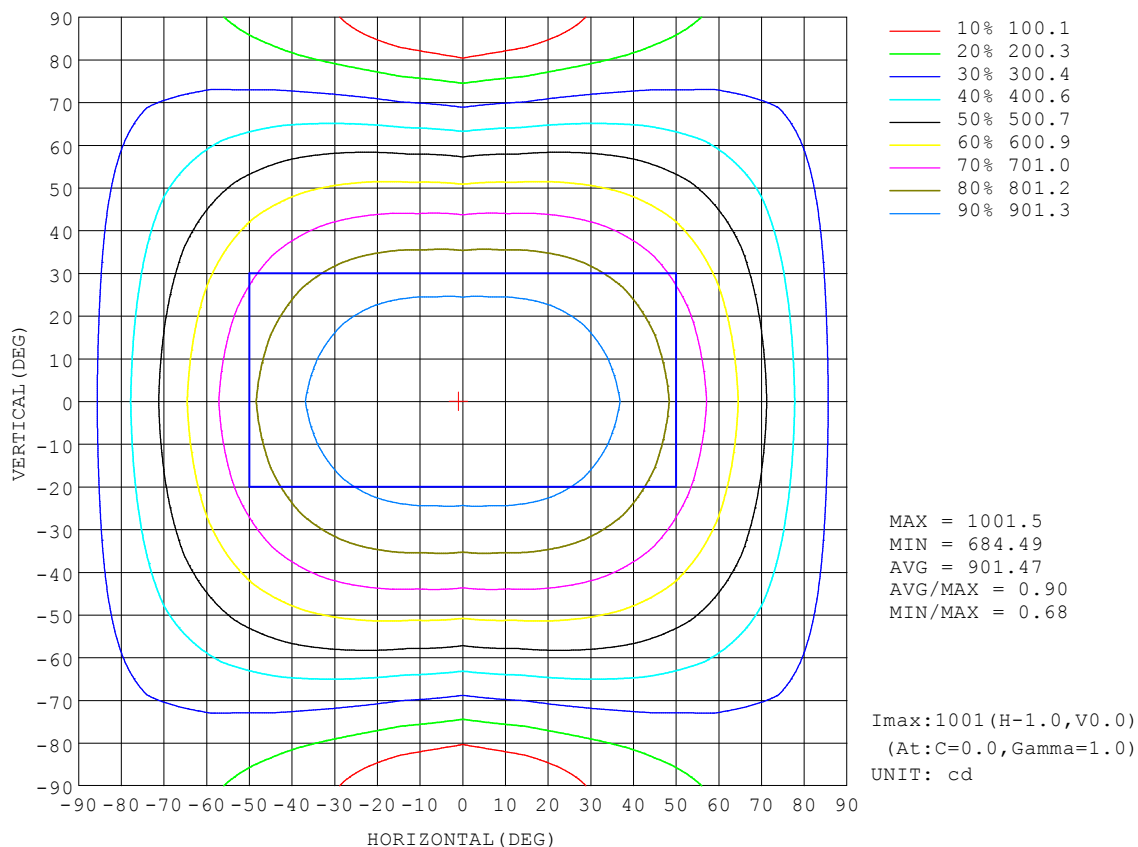
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	50	38	31	49	38	31	47	37	30	23
0.80	60	47	39	58	46	39	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	52	43
1.50	80	68	60	77	67	59	73	64	58	48
2.00	87	77	69	84	75	68	79	71	65	55
2.50	92	82	75	88	80	73	83	76	70	59
3.00	95	87	80	92	84	78	86	80	74	62
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: 2022-06-21

☐ 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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511 Lamp Flux:4104.43x1 lm		
NAME: NU28-LC-34W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



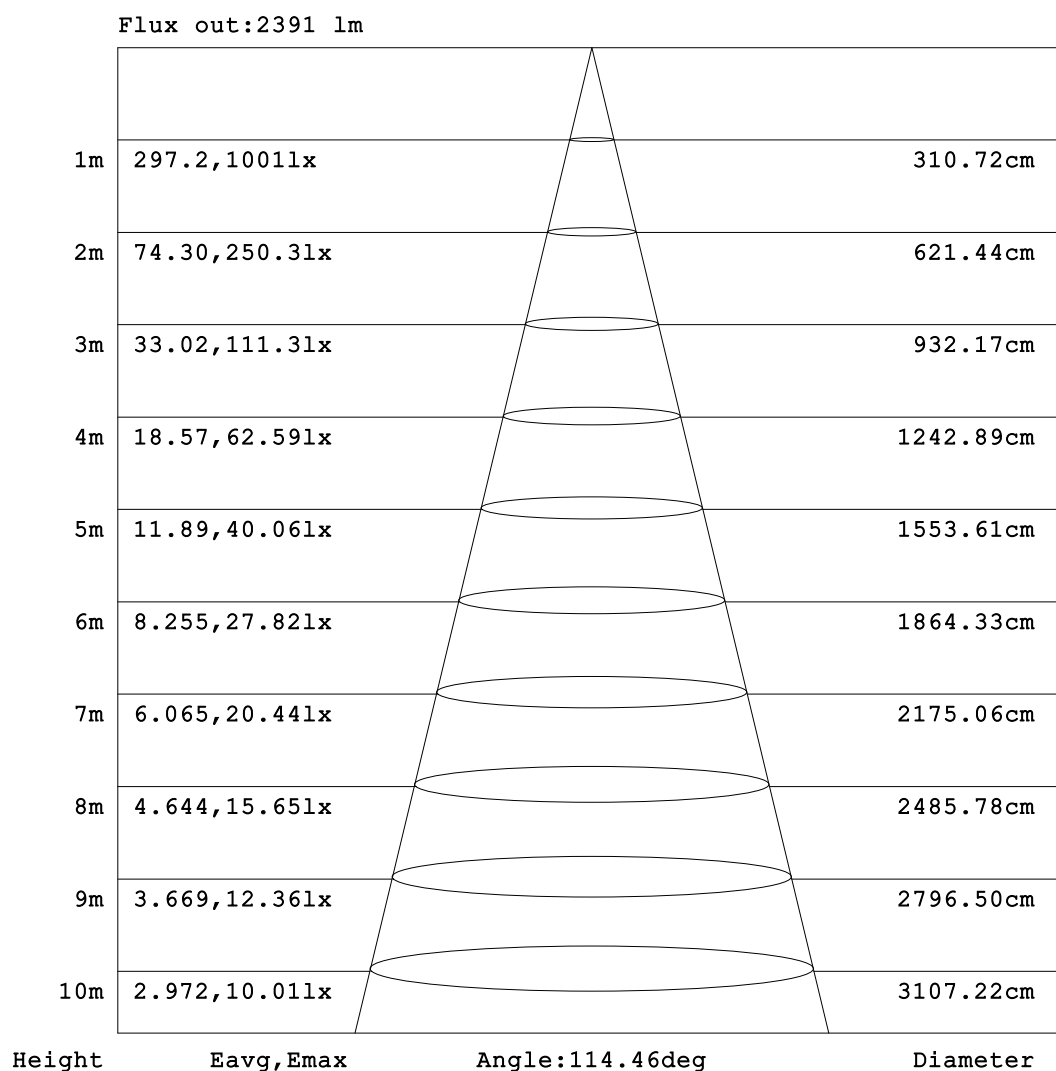
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3°C  
Operators:QC  
Test Date:2022-06-21

☐ 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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511 Lamp Flux:4104.43x1 lm		
NAME: NU28-LC-34W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:



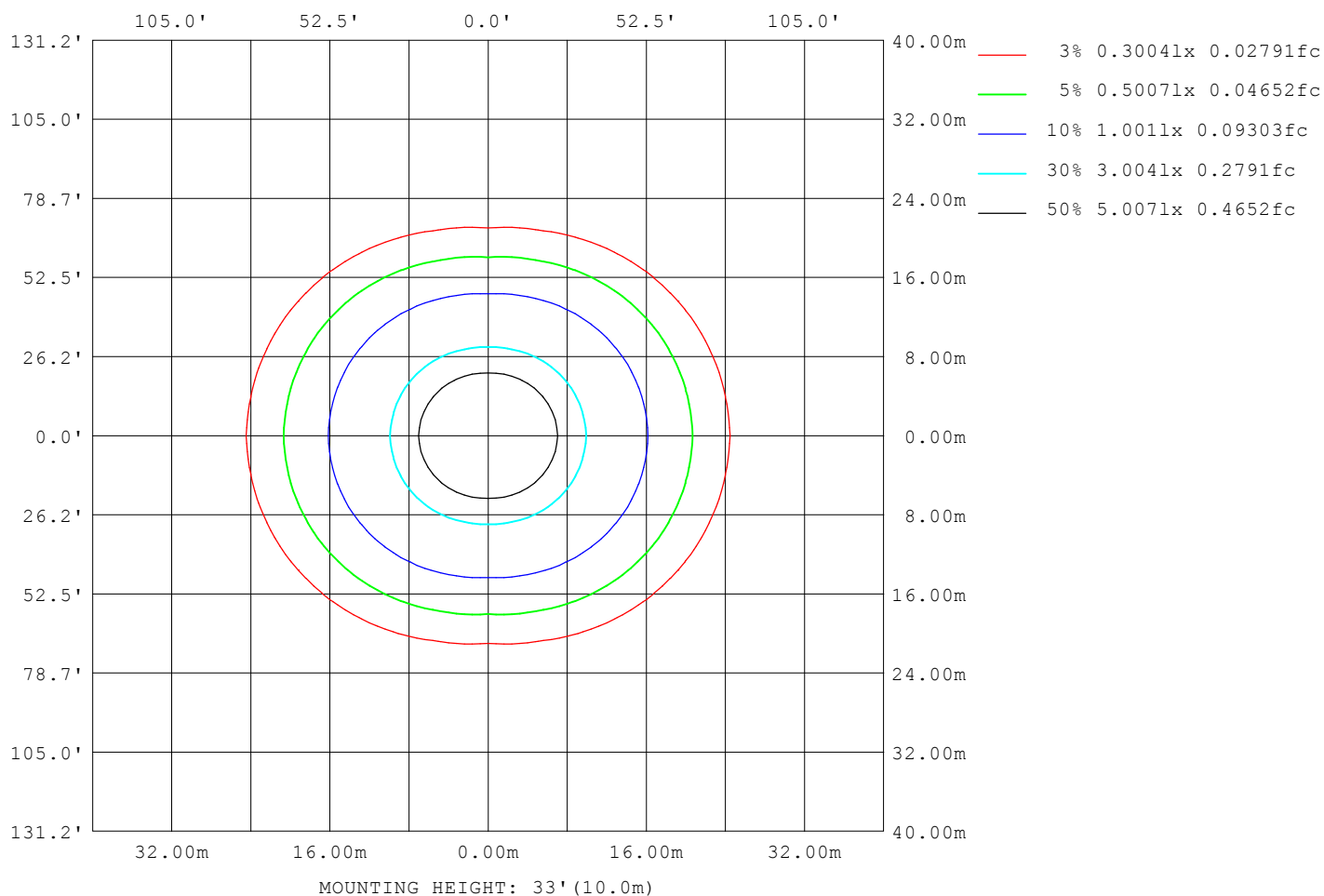
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511 Lamp Flux:4104.43x1 lm		
NAME: NU28-LC-34W-1200K-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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511 Lamp Flux:4104.43x1 lm		
NAME: NU28-LC-34W-1200K-30H	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Ervan	SUR.:	Shielding Angle:

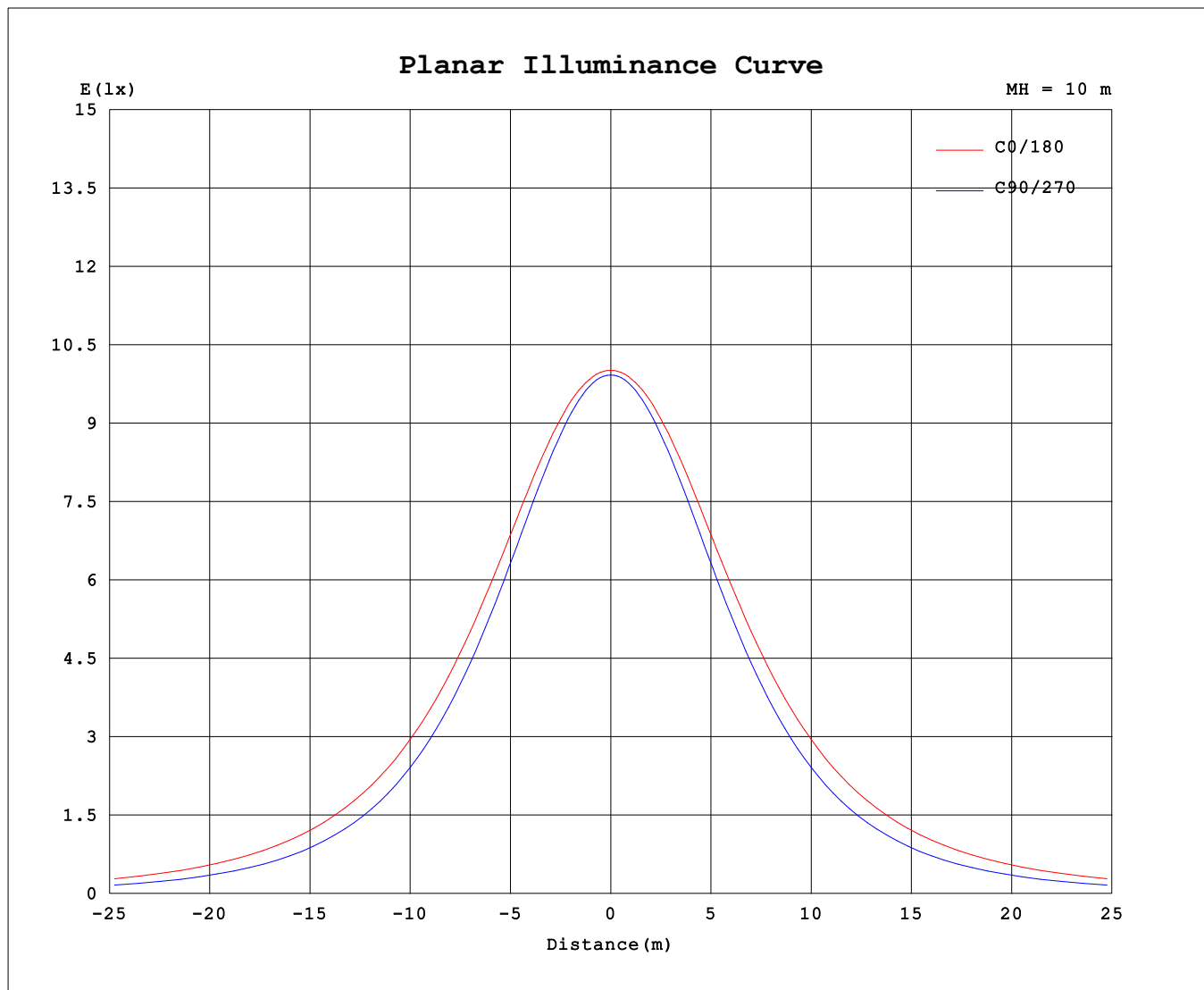
AvgL	cd/m2
L_0~180 (65) av	9920
L_0~180 (75) av	12063
L_0~180 (85) av	24866
L_90~270 (65) av	6214
L_90~270 (75) av	5242
L_90~270 (85) av	3040
L_45 (65) av	8462
L_45 (75) av	9434
L_45 (85) av	16643

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:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511		Lamp Flux:4104.43x1 lm
NAME: NU28-LC-34W-1200K-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	994	994	994	994	994	994	994	994	994	994	994	994	994	994	994	994	994	994	994
5	993	993	993	992	991	990	990	990	991	992	993	993	993	993	993	992	991	990	990
10	992	991	989	986	982	980	979	980	982	986	989	991	992	991	989	986	982	980	979
15	987	985	981	975	967	961	959	961	967	975	981	985	987	985	981	975	967	961	959
20	976	974	967	958	946	936	933	936	946	958	967	974	976	974	967	958	946	936	933
25	960	957	948	934	918	904	898	904	918	934	948	957	960	957	948	934	918	904	898
30	937	933	921	903	883	864	855	864	883	903	921	933	937	933	921	903	883	864	855
35	907	902	888	866	840	816	806	816	840	866	888	902	907	902	888	866	840	816	806
40	871	865	847	822	791	762	748	762	791	822	847	865	871	865	847	822	791	762	748
45	828	821	801	770	735	701	684	701	735	770	801	821	828	821	801	770	735	701	684
50	778	770	747	712	672	634	614	634	672	712	747	770	778	770	747	712	672	634	614
55	722	713	687	648	604	560	537	560	604	648	687	713	722	713	687	648	604	560	537
60	659	649	620	578	529	482	456	482	529	578	620	649	659	649	620	578	529	482	456
65	590	579	548	503	451	399	369	399	451	503	548	579	590	579	548	503	451	399	369
70	516	504	471	424	369	313	280	313	369	424	471	504	516	504	471	424	369	313	280
75	439	427	393	344	286	227	191	227	286	344	393	427	439	427	393	344	286	227	191
80	366	353	318	267	207	145	106	145	207	267	318	353	366	353	318	267	207	145	106
85	305	292	257	204	142	78.3	37.3	78.3	142	204	257	292	305	292	257	204	142	78.3	37.3
90	260	247	214	164	105	44.1	5.65	44.1	105	164	214	247	260	247	214	164	105	44.1	5.65
95	230	219	189	144	91.7	38.0	6.64	38.0	91.7	144	189	219	230	219	189	144	91.7	38.0	6.64
100	211	201	174	133	85.0	35.5	7.82	35.5	85.0	133	174	201	211	201	174	133	85.0	35.5	7.82
105	195	186	161	124	78.9	34.0	9.06	34.0	78.9	124	161	186	195	186	161	124	78.9	34.0	9.06
110	179	171	149	114	72.9	32.2	10.3	32.2	72.9	114	149	171	179	171	149	114	72.9	32.2	10.3
115	164	157	136	105	67.2	30.8	11.3	30.8	67.2	105	136	157	164	157	136	105	67.2	30.8	11.3
120	149	142	124	94.3	60.7	29.9	12.4	29.9	60.7	94.3	124	142	149	142	124	94.3	60.7	29.9	12.4
125	134	128	112	84.5	54.9	28.9	13.6	28.9	54.9	84.5	112	128	134	128	112	84.5	54.9	28.9	13.6
130	120	115	99.5	74.8	50.4	27.9	14.9	27.9	50.4	74.8	99.5	115	120	115	99.5	74.8	50.4	27.9	14.9
135	107	103	87.7	66.5	46.3	27.3	16.0	27.3	46.3	66.5	87.7	103	107	103	87.7	66.5	46.3	27.3	16.0
140	94.7	91.1	76.0	59.3	42.6	26.6	17.2	26.6	42.6	59.3	76.0	91.1	94.7	91.1	76.0	59.3	42.6	26.6	17.2
145	83.0	79.8	65.7	53.0	39.0	26.0	18.3	26.0	39.0	53.0	65.7	79.8	83.0	79.8	65.7	53.0	39.0	26.0	18.3
150	71.8	68.6	56.8	46.8	35.8	25.6	19.4	25.6	35.8	46.8	56.8	68.6	71.8	68.6	56.8	46.8	35.8	25.6	19.4
155	61.3	57.2	49.1	41.2	33.2	25.2	20.4	25.2	33.2	41.2	49.1	57.2	61.3	57.2	49.1	41.2	33.2	25.2	20.4
160	51.4	46.8	41.7	36.4	30.7	24.8	21.1	24.8	30.7	36.4	41.7	46.8	51.4	46.8	41.7	36.4	30.7	24.8	21.1
165	41.8	37.9	35.2	32.2	28.3	24.3	21.8	24.3	28.3	32.2	35.2	37.9	41.8	37.9	35.2	32.2	28.3	24.3	21.8
170	33.2	31.1	29.8	28.3	26.1	23.8	22.4	23.8	26.1	28.3	29.8	31.1	33.2	31.1	29.8	28.3	26.1	23.8	22.4
175	26.6	25.8	25.5	25.0	24.2	23.3	22.8	23.3	24.2	25.0	25.5	25.8	26.6	25.8	25.5	25.0	24.2	23.3	22.8
180	22.9	22.8	22.8	22.8	22.9	22.9	23.0	22.9	22.9	22.8	22.8	22.8	22.9	22.8	22.8	22.8	22.9	22.9	23.0

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:

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.32V I:0.1466A P:32.178W PF:0.9531 Freq:49.99Hz		
UTHDi:0.20% ITHDi:11.41% KDisp:0.9511		Lamp Flux:4104.43x1 lm
NAME: NU28-LC-34W-1200K-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	994	994	994	994	994													
5	990	991	992	993	993													
10	980	982	986	989	991													
15	961	967	975	981	985													
20	936	946	958	967	974													
25	904	918	934	948	957													
30	864	883	903	921	933													
35	816	840	866	888	902													
40	762	791	822	847	865													
45	701	735	770	801	821													
50	634	672	712	747	770													
55	560	604	648	687	713													
60	482	529	578	620	649													
65	399	451	503	548	579													
70	313	369	424	471	504													
75	227	286	344	393	427													
80	145	207	267	318	353													
85	78.3	142	204	257	292													
90	44.1	105	164	214	247													
95	38.0	91.7	144	189	219													
100	35.5	85.0	133	174	201													
105	34.0	78.9	124	161	186													
110	32.2	72.9	114	149	171													
115	30.8	67.2	105	136	157													
120	29.9	60.7	94.3	124	142													
125	28.9	54.9	84.5	112	128													
130	27.9	50.4	74.8	99.5	115													
135	27.3	46.3	66.5	87.7	103													
140	26.6	42.6	59.3	76.0	91.1													
145	26.0	39.0	53.0	65.7	79.8													
150	25.6	35.8	46.8	56.8	68.6													
155	25.2	33.2	41.2	49.1	57.2													
160	24.8	30.7	36.4	41.7	46.8													
165	24.3	28.3	32.2	35.2	37.9													
170	23.8	26.1	28.3	29.8	31.1													
175	23.3	24.2	25.0	25.5	25.8													
180	22.9	22.9	22.8	22.8	22.8													

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: