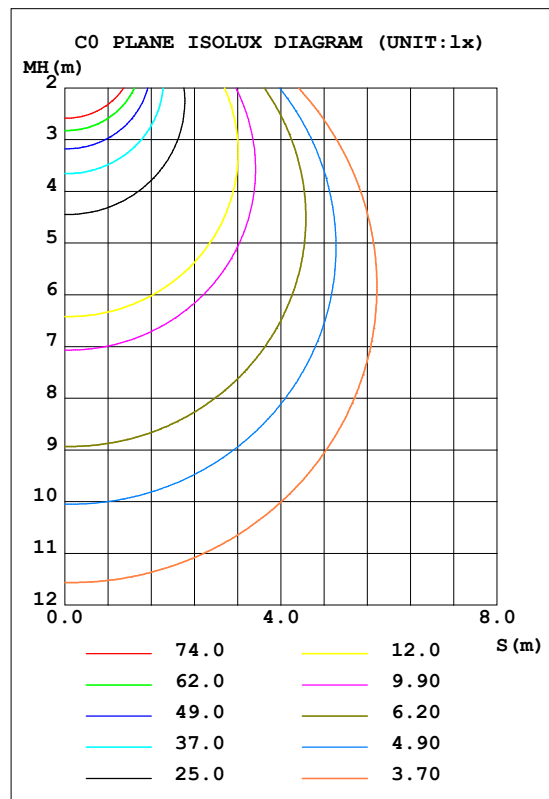
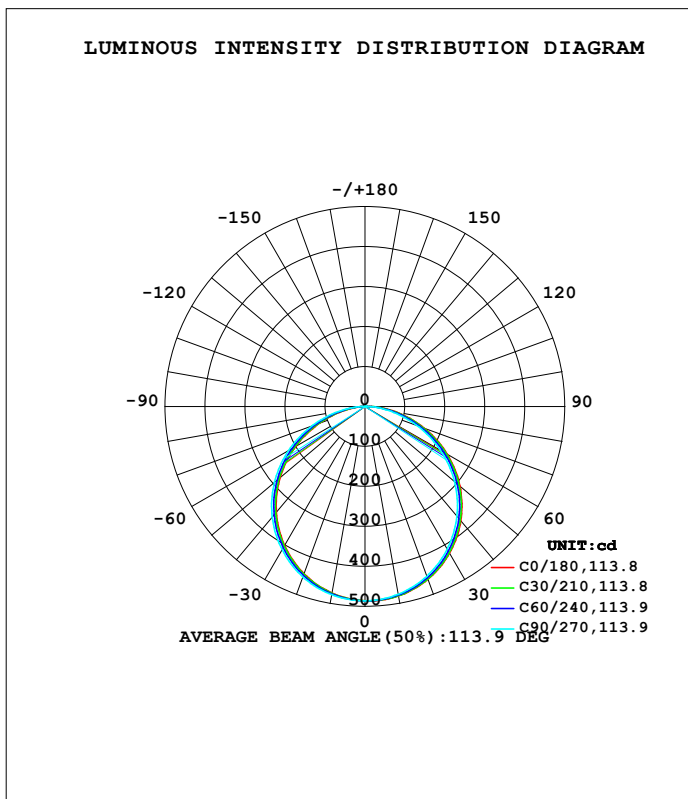


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 72.19 lm/W
MODEL	LNS3201	I _{max} (cd)	486.5	S/MH (C0/180)		1.24
NOMINAL POWER (W)	21	LOR (%)	100.0	S/MH (C90/270)		1.27
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	1428.1	η UP, DN (C0-180)		0.4, 49.6
NOMINAL FLUX (lm)	1428.07	CIE CLASS	DIRECT	η UP, DN (C180-360)		0.4, 49.6
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM		1.25
TEST VOLTAGE (V)	230.0	η down (%)	99.2	CIBSE SHR MAX		1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

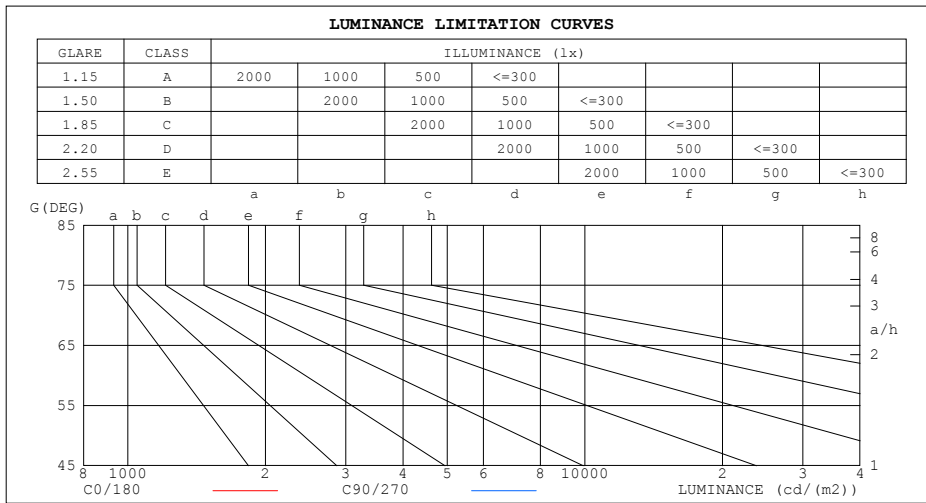
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	481.4	480.2	477.1	474.6	473.7	474.9	478.1	480.6	0- 10	45.99	45.99	3.22,3.22
20	460.4	458.2	452.2	447.0	445.3	447.6	453.9	458.8	10- 20	131.9	177.9	12.5,12.5
30	423.6	420.5	411.8	404.4	401.9	405.2	414.3	421.3	20- 30	200.4	378.2	26.5,26.5
40	373.0	369.1	357.9	348.7	345.2	349.4	361.0	369.7	30- 40	242.5	620.8	43.5,43.5
50	310.2	305.8	292.7	281.6	277.3	282.3	296.0	306.3	40- 50	253.0	873.7	61.2,61.2
60	237.3	232.5	217.7	205.4	200.3	205.8	221.4	232.7	50- 60	230.2	1104	77.3,77.3
70	157.4	152.0	137.0	124.2	119.0	124.6	140.1	152.5	60- 70	177.1	1281	89.7,89.7
80	78.30	72.60	59.63	48.60	43.97	48.85	61.51	73.23	70- 80	104.2	1385	97,97
90	12.24	9.019	2.799	2.556	2.389	2.352	3.117	8.621	80- 90	31.90	1417	99.2,99.2
100	1.984	1.525	2.032	2.314	2.177	2.176	1.841	1.622	90-100	2.768	1420	99.4,99.4
110	0.7905	0.7386	1.262	1.328	2.160	1.304	1.288	0.6972	100-110	1.602	1422	99.5,99.5
120	1.342	1.367	1.035	1.494	2.060	1.490	1.046	1.306	110-120	1.235	1423	99.6,99.6
130	1.994	1.392	1.370	1.579	2.102	1.568	1.360	1.416	120-130	1.337	1424	99.7,99.7
140	2.026	1.663	1.621	1.646	2.107	1.673	1.597	1.593	130-140	1.283	1425	99.8,99.8
150	1.970	1.817	1.763	1.795	2.025	1.750	1.756	1.798	140-150	1.127	1427	99.9,99.9
160	1.986	1.873	1.832	1.862	1.898	1.799	1.840	1.837	150-160	0.8566	1427	100,100
170	1.904	1.901	1.869	1.915	1.901	1.856	1.865	1.851	160-170	0.5302	1428	100,100
180	1.949	1.965	1.929	1.954	1.953	1.961	1.932	1.933	170-180	0.1818	1428	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:7.110m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	548	339
80	510	381
75	510	417
70	520	444
65	530	466
60	537	482
55	542	495
50	546	505
45	549	512

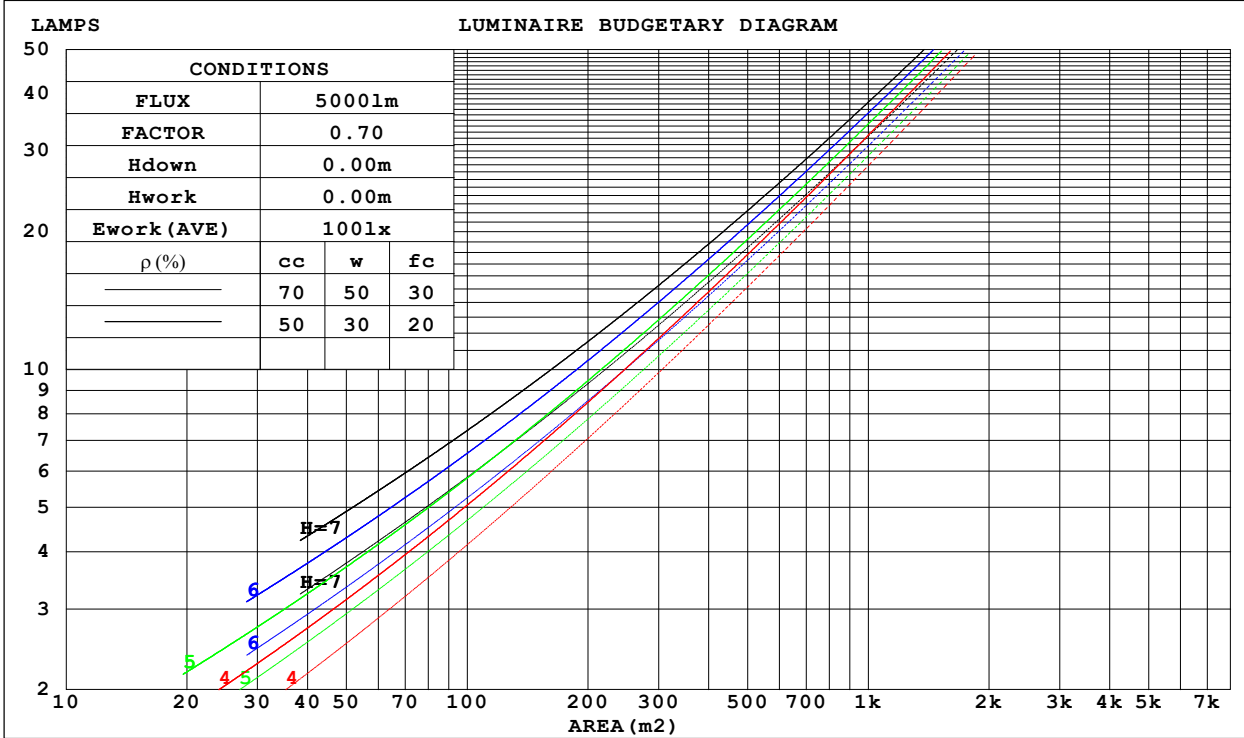
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.87	.89	.87	.85	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.66	.61	.68	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.54	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.37	.30	.26	.36	.30	.25	.36	.30	.25	.23



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.316	.180	.057	.308	.176	.056	.295	.169	.054	.282	.163	.052	.270	.157	.051	
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.255	.144	.046	
3.0	.273	.145	.043	.267	.143	.043	.256	.139	.042	.246	.135	.041	.237	.131	.041	
4.0	.251	.131	.038	.246	.129	.038	.237	.125	.037	.228	.122	.037	.219	.119	.036	
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033	
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030	
7.0	.200	.099	.028	.196	.098	.028	.189	.096	.028	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.026	.177	.089	.025	.171	.087	.025	.166	.085	.025	
9.0	.175	.084	.024	.172	.084	.023	.166	.082	.023	.161	.081	.023	.156	.079	.023	
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.075	.021	.148	.074	.021	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.196	.196	.196	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.187	.162	.140	.160	.139	.120	.109	.096	.083	.063	.055	.048	.020	.018	.016	
2.0	.179	.138	.103	.153	.119	.089	.105	.082	.062	.060	.048	.037	.019	.015	.012	
3.0	.171	.120	.080	.147	.104	.069	.101	.072	.049	.058	.042	.029	.019	.014	.009	
4.0	.163	.107	.064	.140	.092	.056	.096	.064	.039	.056	.038	.023	.018	.012	.008	
5.0	.156	.097	.053	.134	.084	.046	.092	.058	.033	.053	.034	.019	.017	.011	.006	
6.0	.149	.088	.045	.128	.076	.039	.088	.054	.028	.051	.031	.016	.017	.010	.005	
7.0	.142	.081	.039	.122	.071	.034	.084	.049	.024	.049	.029	.014	.016	.010	.005	
8.0	.135	.076	.035	.116	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004	
9.0	.129	.071	.031	.111	.061	.027	.077	.043	.019	.045	.025	.012	.015	.008	.004	
10.0	.123	.066	.028	.106	.058	.025	.074	.041	.018	.043	.024	.011	.014	.008	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:7.110m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: LNS3201		TYPE:					WEIGHT:					
SPEC.:		DIM.:					SERIAL No.:					
MFR.:		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		9.7	11.2	10.0	11.5	11.7	9.3	10.8	9.6	11.1	11.3	
	3H	11.4	12.8	11.7	13.1	13.3	10.9	12.3	11.2	12.5	12.8	
	4H	12.2	13.5	12.5	13.8	14.0	11.5	12.8	11.8	13.1	13.4	
	6H	12.8	14.0	13.1	14.3	14.6	12.0	13.2	12.3	13.5	13.8	
	8H	13.0	14.2	13.4	14.5	14.8	12.1	13.3	12.5	13.6	13.9	
	12H	13.2	14.4	13.6	14.7	15.0	12.2	13.4	12.6	13.7	14.0	
	4H	2H	10.3	11.7	10.7	11.9	12.2	10.0	11.4	10.4	11.6	11.9
		3H	12.2	13.4	12.6	13.7	14.0	11.8	12.9	12.1	13.3	13.6
		4H	13.1	14.2	13.5	14.5	14.9	12.5	13.6	12.9	13.9	14.3
		6H	13.9	14.8	14.3	15.2	15.6	13.1	14.1	13.5	14.4	14.8
		8H	14.2	15.1	14.6	15.5	15.9	13.3	14.2	13.8	14.6	15.0
		12H	14.5	15.3	14.9	15.7	16.1	13.5	14.3	13.9	14.7	15.1
	8H	4H	13.4	14.3	13.8	14.7	15.1	12.9	13.8	13.3	14.2	14.6
		6H	14.3	15.1	14.8	15.5	15.9	13.7	14.4	14.1	14.8	15.3
		8H	14.8	15.4	15.2	15.9	16.3	14.0	14.6	14.4	15.1	15.5
		12H	15.2	15.7	15.7	16.2	16.7	14.2	14.8	14.7	15.2	15.7
	12H	4H	13.4	14.2	13.9	14.6	15.1	12.9	13.7	13.4	14.1	14.6
		6H	14.4	15.1	14.9	15.5	16.0	13.8	14.4	14.2	14.9	15.3
		8H	14.9	15.5	15.4	15.9	16.4	14.1	14.7	14.6	15.2	15.7
Variations with the observer position at spacings:												
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2					
	1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
	2.0H	+ 0.1 / - 0.3					+ 0.2 / - 0.4					

CIE Pub.117, 1428 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.2)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

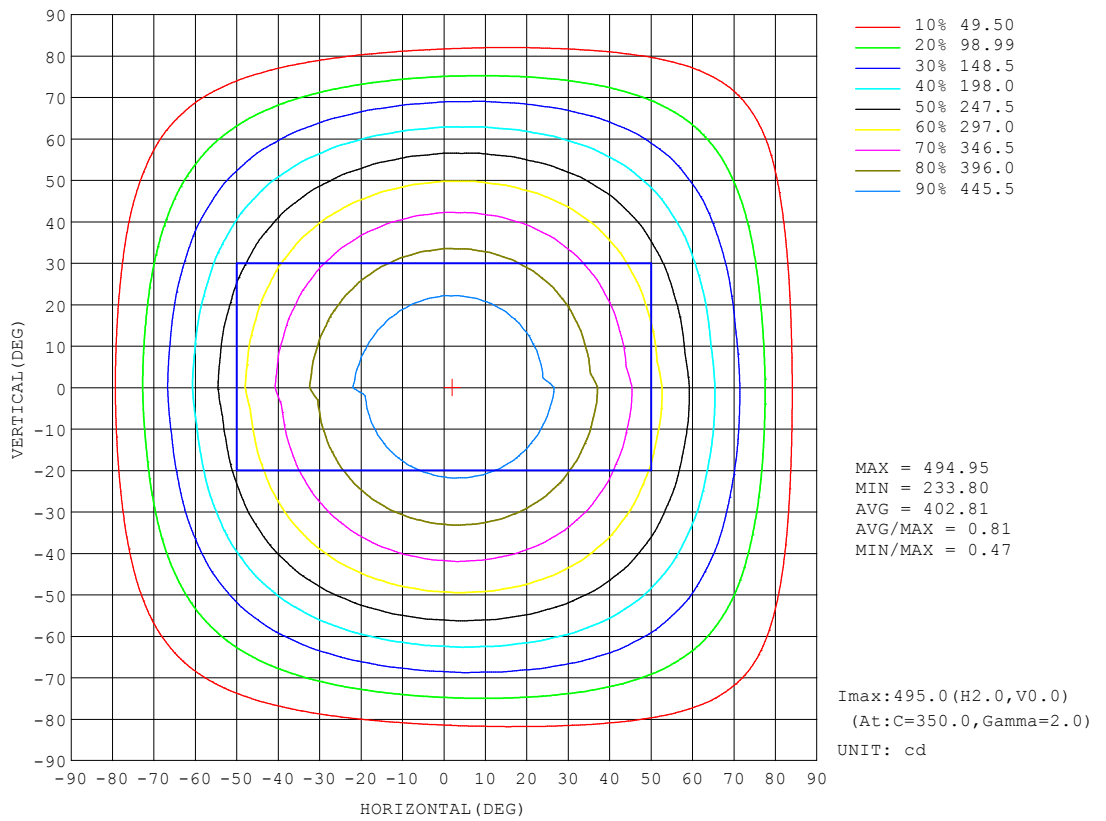
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	83	75	69	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	97	101	97	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



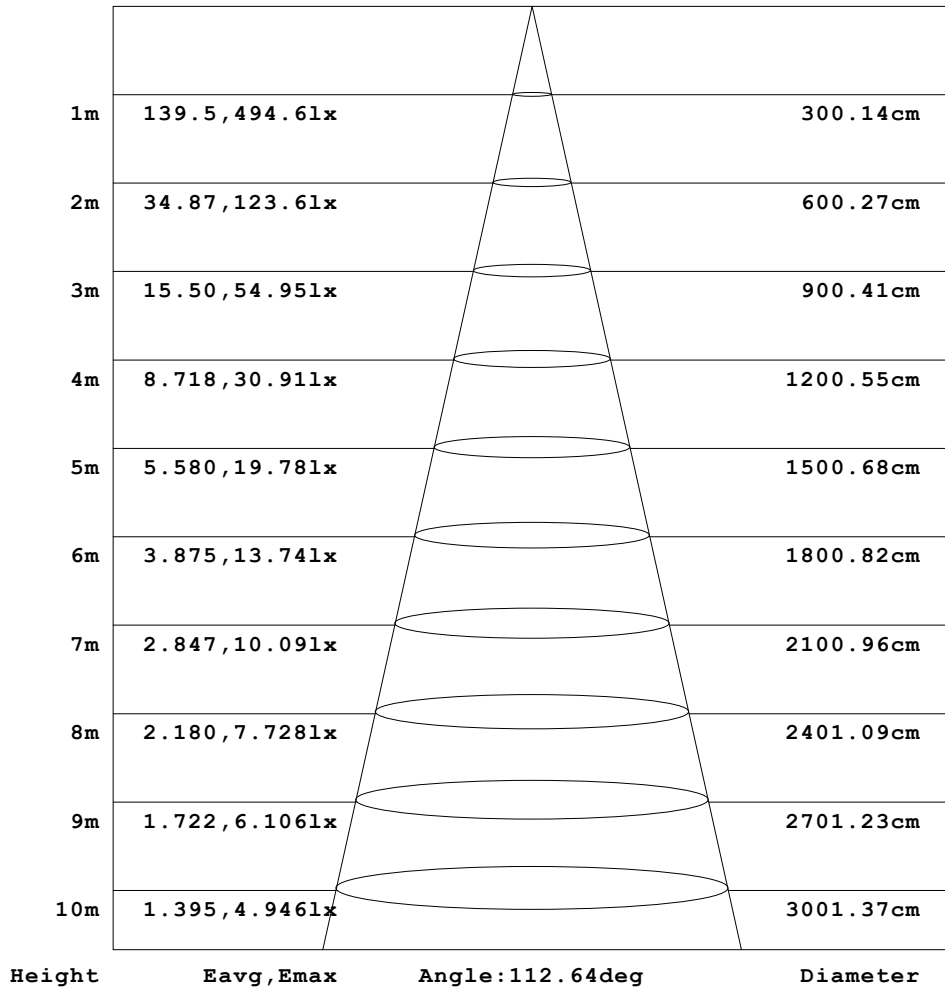
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

AAI Figure

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:1039 lm



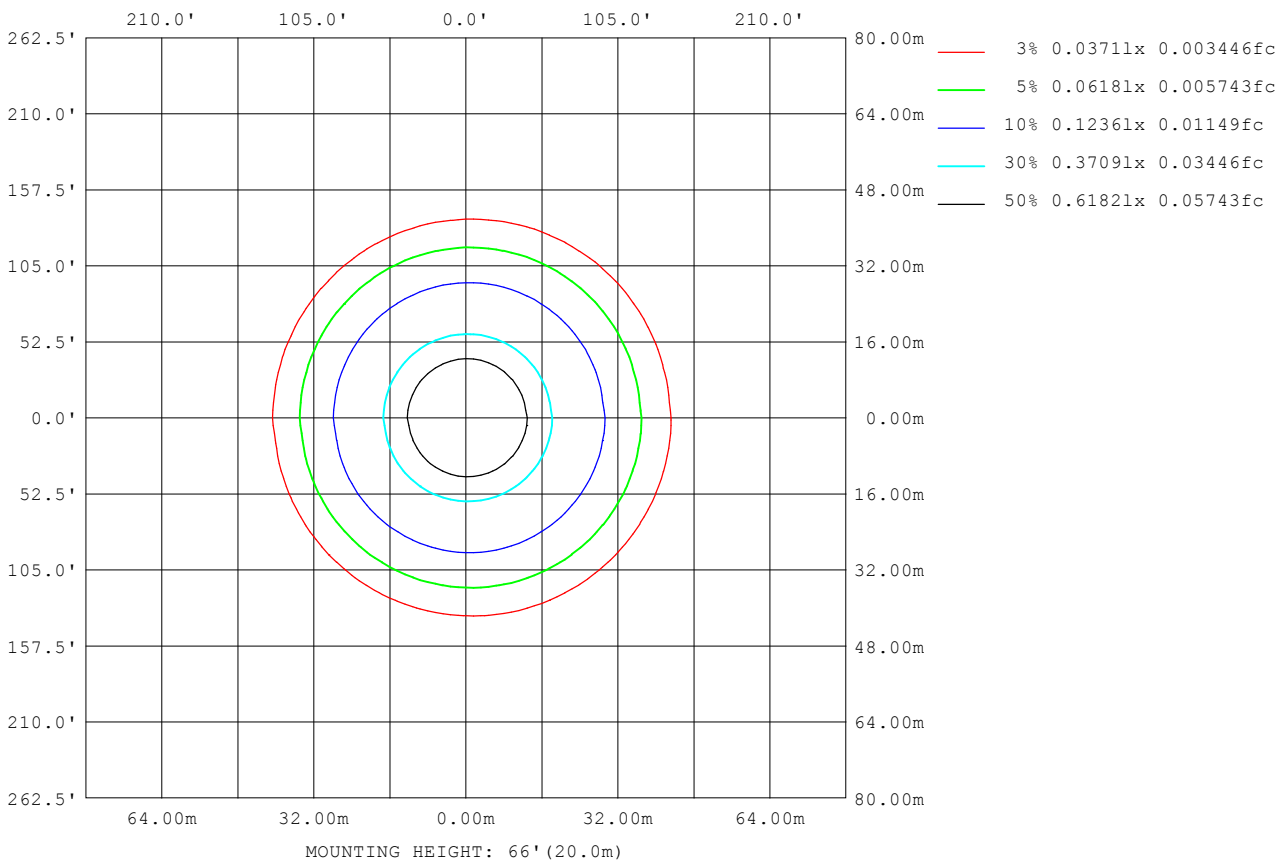
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-05-03

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
Humidity: 65.0%
Test Distance: 7.110m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

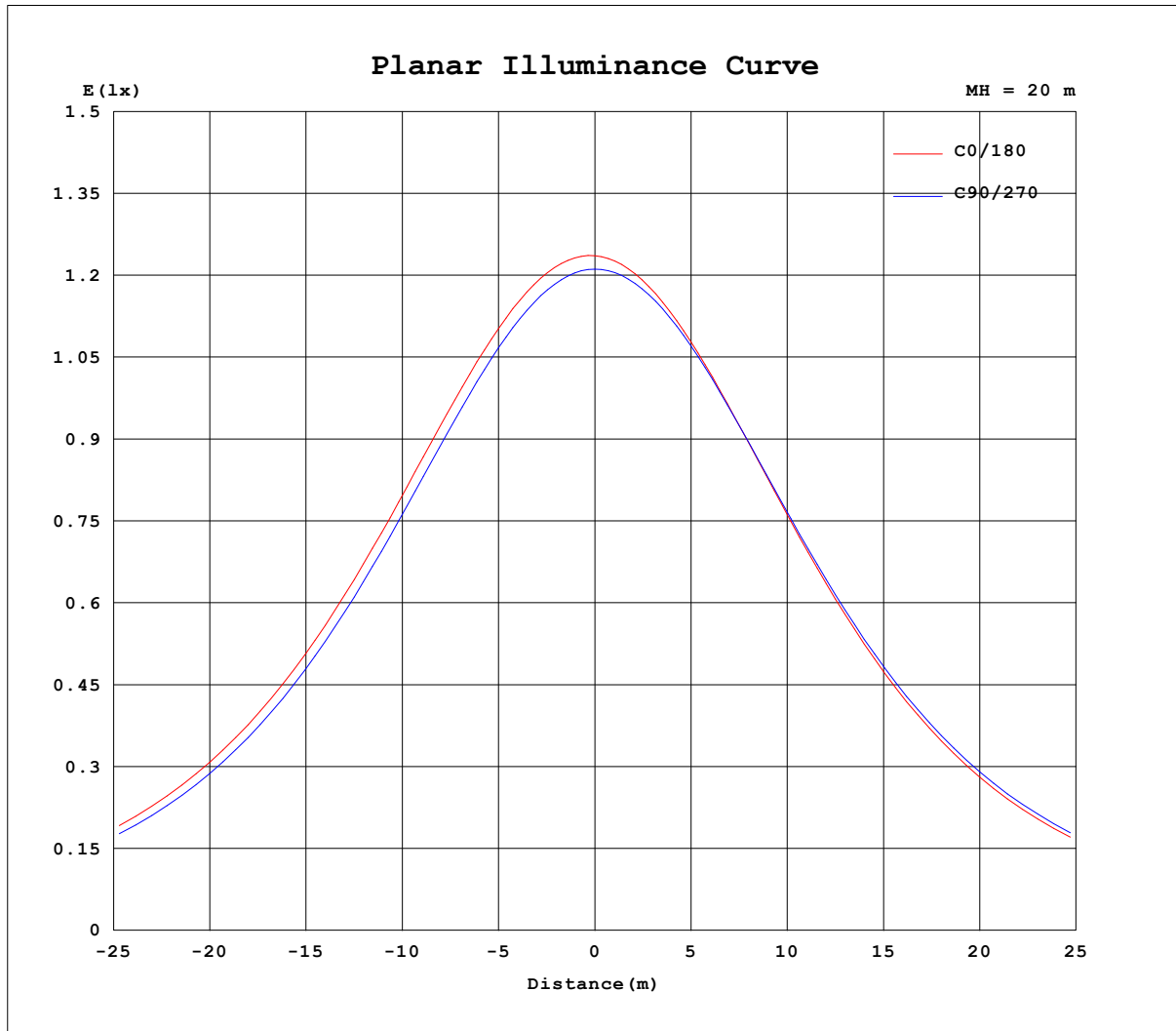
AvgL	cd/m2
L_0~180 (65) av	470
L_0~180 (75) av	422
L_0~180 (85) av	357
L_90~270 (65) av	471
L_90~270 (75) av	423
L_90~270 (85) av	349
L_45 (65) av	471
L_45 (75) av	423
L_45 (85) av	351

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity:65.0%
 Test Distance:7.110m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
5	486	486	486	486	486	486	485	485	485	485	485	485	485	485	484	484	484	484	484
10	481	482	481	481	481	481	481	481	480	480	480	480	479	479	479	478	478	478	477
15	473	473	473	473	472	473	472	472	471	471	470	470	470	469	469	468	468	467	467
20	460	461	460	460	460	460	459	459	458	458	457	457	456	456	455	455	454	453	452
25	444	444	444	444	443	443	442	442	441	441	440	440	439	438	437	437	435	435	434
30	424	424	424	424	423	423	422	422	421	420	419	419	418	417	416	415	414	413	412
35	400	401	400	400	399	399	398	398	397	396	395	395	393	393	391	390	389	388	387
40	373	374	373	373	372	372	371	371	369	369	367	367	365	365	363	362	361	360	358
45	343	344	343	343	342	342	341	341	339	339	337	337	335	334	332	332	329	329	327
50	310	311	310	310	309	309	308	308	306	306	304	304	301	301	299	298	296	295	293
55	275	276	275	275	274	274	272	272	270	270	268	268	265	265	262	262	259	259	256
60	237	238	237	238	236	236	234	235	233	233	230	230	227	227	224	224	221	221	218
65	198	199	198	198	197	197	195	195	193	193	191	190	188	187	185	184	181	180	178
70	157	158	157	157	156	156	154	154	152	152	150	149	147	146	144	143	140	139	137
75	117	118	116	117	115	116	114	114	112	111	110	109	107	106	104	103	101	99.2	97.3
80	78.3	78.5	77.9	77.8	76.9	76.5	75.4	74.8	73.5	72.6	71.1	70.1	68.5	67.3	65.6	64.4	62.6	61.4	59.6
85	42.2	42.6	42.3	42.3	41.5	41.2	40.2	39.6	38.5	37.7	36.4	35.6	34.2	33.2	31.7	30.7	29.2	28.2	26.7
90	12.2	12.7	12.5	12.4	11.8	11.6	10.8	10.4	9.51	9.02	8.01	7.41	6.40	5.80	4.86	4.29	3.49	3.06	2.80
95	2.24	2.18	2.16	2.08	2.08	2.14	2.16	2.18	2.16	2.16	2.12	2.09	2.07	2.06	2.14	2.21	2.30	2.33	2.40
100	1.98	1.94	1.89	1.77	1.69	1.56	1.58	1.55	1.57	1.52	1.56	1.51	1.47	1.56	1.71	1.78	1.90	1.95	2.03
105	1.43	1.40	1.38	1.28	1.21	1.07	0.95	0.77	0.68	0.76	0.93	1.04	1.20	1.29	1.44	1.48	1.56	1.59	1.67
110	0.79	0.76	0.75	0.74	0.70	0.71	0.68	0.72	0.69	0.74	0.73	0.85	1.05	1.06	1.09	1.09	1.18	1.21	1.26
115	0.94	0.98	0.98	1.02	0.98	1.01	1.00	1.06	1.07	1.19	1.23	1.17	1.06	0.99	0.87	0.87	0.86	0.90	0.89
120	1.34	1.37	1.35	1.36	1.33	1.37	1.41	1.49	1.42	1.37	1.25	1.21	1.11	1.02	0.97	1.01	1.01	1.07	1.03
125	1.89	1.92	1.86	1.82	1.70	1.66	1.57	1.53	1.43	1.38	1.28	1.23	1.15	1.13	1.10	1.14	1.17	1.26	1.22
130	1.99	1.98	1.89	1.84	1.73	1.68	1.58	1.54	1.46	1.39	1.31	1.25	1.24	1.26	1.23	1.32	1.35	1.42	1.37
135	2.03	2.02	1.97	1.90	1.80	1.75	1.64	1.59	1.52	1.42	1.36	1.44	1.44	1.48	1.46	1.50	1.54	1.55	1.54
140	2.03	2.00	1.99	1.94	1.90	1.82	1.74	1.72	1.65	1.66	1.62	1.64	1.60	1.63	1.59	1.62	1.60	1.65	1.62
145	1.96	1.97	1.91	1.89	1.85	1.86	1.81	1.82	1.76	1.76	1.73	1.74	1.71	1.72	1.69	1.71	1.69	1.73	1.70
150	1.97	1.98	1.94	1.96	1.91	1.91	1.88	1.88	1.82	1.82	1.79	1.78	1.74	1.74	1.75	1.76	1.74	1.79	1.76
155	1.99	1.99	1.99	1.98	1.94	1.92	1.90	1.90	1.86	1.83	1.80	1.78	1.76	1.79	1.76	1.81	1.81	1.83	1.81
160	1.99	1.97	1.99	1.96	1.96	1.95	1.95	1.91	1.89	1.87	1.85	1.85	1.81	1.81	1.80	1.82	1.83	1.85	1.83
165	1.96	1.95	1.96	1.95	1.94	1.91	1.92	1.90	1.88	1.87	1.85	1.84	1.82	1.85	1.83	1.86	1.85	1.87	1.85
170	1.90	1.90	1.89	1.89	1.89	1.89	1.88	1.90	1.89	1.90	1.87	1.90	1.87	1.90	1.87	1.91	1.87	1.90	1.87
175	1.93	1.93	1.90	1.93	1.90	1.93	1.91	1.94	1.91	1.93	1.92	1.94	1.92	1.93	1.91	1.93	1.91	1.93	1.91
180	1.95	1.95	1.96	1.95	1.96	1.96	1.97	1.96	1.97	1.96	1.97	1.97	1.94	1.95	1.93	1.93	1.92	1.93	1.93

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
5	484	483	483	483	483	483	483	482	482	482	482	482	482	482	482	482	482	482	482
10	477	476	476	476	476	475	475	475	475	474	474	474	474	474	474	473	474	474	473
15	466	466	465	465	465	464	464	463	463	462	462	462	462	461	462	461	461	462	461
20	452	451	450	449	449	448	448	447	447	446	446	446	446	445	445	445	445	445	445
25	433	432	432	431	430	429	429	428	428	427	427	426	426	425	425	425	425	425	425
30	411	410	409	408	408	406	406	405	404	403	403	402	402	401	402	401	401	402	401
35	386	384	384	382	382	380	380	379	378	377	377	376	376	375	375	374	375	375	374
40	357	356	355	353	353	351	350	349	349	347	347	346	346	345	345	344	345	345	344
45	326	324	323	321	321	319	318	317	316	315	315	313	313	312	313	312	312	313	312
50	292	290	289	287	286	284	284	282	282	280	280	278	278	277	277	276	277	277	276
55	256	253	252	250	250	247	247	245	245	243	243	241	241	240	240	239	240	240	239
60	217	214	214	211	211	208	208	206	205	203	203	202	202	200	201	199	200	200	199
65	177	174	173	171	170	168	167	165	165	163	163	161	161	160	160	159	159	160	159
70	136	134	133	130	130	127	127	125	124	122	122	121	121	119	119	118	119	119	118
75	95.9	94.1	92.8	91.1	89.8	88.3	87.2	85.8	84.8	83.6	82.8	81.9	81.3	80.6	80.3	79.8	79.7	79.8	79.5
80	58.3	56.8	55.6	54.1	53.0	51.6	50.6	49.4	48.6	47.5	46.9	46.0	45.5	44.8	44.6	44.1	44.1	44.0	43.8
85	25.6	24.3	23.3	22.0	21.1	20.0	19.2	18.2	17.5	16.6	16.0	15.3	14.9	14.4	14.2	13.9	13.8	13.8	13.7
90	2.71	2.68	2.61	2.61	2.58	2.60	2.57	2.60	2.56	2.59	2.55	2.59	2.55	2.58	2.55	2.56	2.44	2.39	2.37
95	2.43	2.47	2.45	2.50	2.49	2.51	2.49	2.51	2.46	2.50	2.46	2.49	2.45	2.49	2.45	2.44	2.37	2.32	2.31
100	2.05	2.09	2.05	2.16	2.20	2.29	2.31	2.35	2.31	2.30	2.23	2.16	2.02	2.08	2.14	2.22	2.20	2.18	2.15
105	1.66	1.68	1.63	1.65	1.63	1.66	1.67	1.68	1.60	1.56	1.67	1.69	1.78	1.91	1.99	2.09	2.15	2.16	2.13
110	1.24	1.25	1.18	1.16	1.13	1.14	1.13	1.21	1.33	1.42	1.57	1.66	1.79	1.89	2.01	2.09	2.15	2.16	2.15
115	0.91	0.91	0.91	0.92	1.02	1.08	1.21	1.29	1.42	1.54	1.63	1.71	1.85	1.93	2.03	2.10	2.10	2.12	2.12
120	1.07	1.02	1.05	1.03	1.15	1.19	1.32	1.37	1.49	1.58	1.69	1.76	1.88	1.93	2.01	2.09	2.09	2.06	2.07
125	1.23	1.19	1.19	1.15	1.25	1.27	1.40	1.47	1.55	1.62	1.70	1.78	1.86	1.92	1.99	2.06	2.07	2.08	2.06
130	1.40	1.35	1.32	1.28	1.32	1.36	1.46	1.54	1.58	1.64	1.71	1.78	1.84	1.91	1.96	2.04	2.09	2.10	2.09
135	1.54	1.54	1.49	1.41	1.43	1.43	1.51	1.56	1.60	1.65	1.71	1.78	1.83	1.91	1.97	2.05	2.12	2.12	2.11
140	1.64	1.62	1.63	1.58	1.60	1.58	1.61	1.59	1.65	1.67	1.76	1.81	1.88	1.92	2.04	2.10	2.09	2.11	2.11
145	1.73	1.70	1.74	1.70	1.72	1.70	1.72	1.70	1.74	1.78	1.86	1.88	1.92	1.98	2.01	2.08	2.07	2.07	2.08
150	1.81	1.78	1.79	1.75	1.77	1.77	1.81	1.78	1.79	1.80	1.84	1.88	1.92	1.98	1.98	2.03	2.04	2.03	2.04
155	1.84	1.81	1.82	1.77	1.79	1.77	1.80	1.80	1.81	1.83	1.85	1.87	1.87	1.90	1.92	1.96	1.94	1.94	1.95
160	1.85	1.83	1.83	1.81	1.83	1.80	1.83	1.82	1.86	1.87	1.87	1.88	1.90	1.91	1.93	1.95	1.94	1.90	1.92
165	1.87	1.84	1.86	1.85	1.86	1.86	1.88	1.86	1.88	1.87	1.90	1.88	1.91	1.91	1.93	1.93	1.94	1.90	1.89
170	1.90	1.87	1.90	1.87	1.90	1.89	1.91	1.90	1.92	1.90	1.93	1.91	1.93	1.91	1.94	1.93	1.94	1.90	1.89
175	1.93	1.91	1.93	1.92	1.93	1.92	1.95	1.93	1.94	1.93	1.96	1.94	1.96	1.93	1.96	1.93	1.96	1.92	1.89
180	1.93	1.93	1.93	1.93	1.93	1.93	1.94	1.96	1.95	1.96	1.95	1.96	1.95	1.96	1.97	1.97	1.97	1.95	1.96

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--3

UNIT: cd

C (DEG) \ γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486
5	482	482	482	482	482	482	483	483	483	483	483	483	483	484	484	484	484	484	484
10	474	474	474	474	474	474	475	475	475	476	476	476	477	477	477	478	478	478	479
15	462	461	462	462	463	463	463	463	464	464	465	465	466	466	467	467	468	468	469
20	446	445	446	446	447	447	448	448	449	449	450	450	451	451	453	453	454	454	455
25	426	425	426	426	427	427	428	428	429	430	431	431	433	433	434	435	436	436	438
30	402	402	403	403	404	404	405	405	407	407	408	409	410	411	412	413	414	415	416
35	375	375	376	376	377	377	379	379	381	381	383	383	385	385	387	387	389	390	391
40	346	345	347	346	348	348	349	349	351	352	354	354	356	356	359	359	361	362	363
45	313	312	314	313	315	315	317	317	319	319	322	322	324	325	327	327	330	330	333
50	278	277	279	278	280	280	282	282	285	285	287	288	290	291	293	294	296	297	299
55	240	240	241	241	243	243	245	245	247	248	250	251	253	254	256	257	260	260	263
60	201	200	202	201	204	203	206	206	208	209	211	212	214	215	218	218	221	222	225
65	160	160	161	161	163	163	165	165	168	168	171	171	174	175	177	178	181	182	184
70	120	119	121	120	122	122	124	125	127	127	130	131	133	134	137	137	140	141	143
75	80.2	80.2	81.2	81.4	82.6	83.2	84.7	85.5	87.1	88.1	89.9	91.1	93.1	94.3	96.3	97.6	99.7	101	103
80	44.3	44.3	45.1	45.4	46.4	46.9	48.1	48.8	50.2	51.2	52.7	53.8	55.5	56.7	58.5	59.7	61.5	62.9	64.6
85	14.0	14.1	14.7	14.9	15.7	16.1	17.1	17.6	18.8	19.5	20.8	21.7	23.1	24.1	25.6	26.6	28.1	29.2	30.6
90	2.33	2.36	2.32	2.34	2.31	2.35	2.32	2.35	2.35	2.40	2.40	2.45	2.47	2.56	2.65	2.76	3.12	3.59	4.36
95	2.23	2.24	2.25	2.18	2.06	1.91	2.00	1.91	1.97	2.05	2.09	2.20	2.29	2.40	2.46	2.52	2.45	2.46	2.39
100	2.11	2.02	1.92	1.87	1.96	2.07	2.12	2.18	2.18	2.22	2.20	2.18	2.14	2.14	2.07	1.87	1.84	1.93	1.91
105	2.09	2.00	1.91	1.77	1.66	1.53	1.48	1.56	1.60	1.66	1.63	1.66	1.64	1.67	1.68	1.73	1.69	1.69	1.60
110	2.08	2.01	1.93	1.79	1.70	1.57	1.46	1.30	1.22	1.16	1.13	1.18	1.19	1.25	1.26	1.31	1.29	1.30	1.23
115	2.07	2.03	1.95	1.85	1.76	1.63	1.54	1.40	1.32	1.19	1.10	1.00	0.94	0.90	0.90	0.90	0.90	0.91	0.87
120	2.06	2.03	1.96	1.87	1.79	1.68	1.61	1.49	1.40	1.28	1.22	1.13	1.09	1.01	1.03	1.02	1.05	1.01	1.03
125	2.07	2.02	1.96	1.86	1.80	1.70	1.65	1.53	1.48	1.37	1.32	1.22	1.17	1.13	1.17	1.18	1.20	1.19	1.18
130	2.07	2.00	1.94	1.87	1.80	1.72	1.66	1.57	1.53	1.43	1.38	1.30	1.28	1.26	1.32	1.32	1.36	1.35	1.37
135	2.07	2.02	1.97	1.89	1.83	1.74	1.70	1.60	1.58	1.53	1.48	1.41	1.40	1.41	1.48	1.47	1.49	1.47	1.50
140	2.07	2.02	1.97	1.91	1.88	1.80	1.77	1.67	1.66	1.58	1.58	1.54	1.57	1.57	1.60	1.58	1.60	1.58	1.61
145	2.04	2.01	1.97	1.96	1.90	1.86	1.79	1.71	1.69	1.66	1.68	1.65	1.68	1.66	1.69	1.65	1.69	1.66	1.69
150	2.01	1.99	1.96	1.93	1.87	1.85	1.80	1.75	1.77	1.74	1.76	1.74	1.76	1.74	1.77	1.74	1.76	1.73	1.74
155	1.95	1.90	1.89	1.86	1.84	1.83	1.81	1.78	1.78	1.79	1.78	1.76	1.80	1.79	1.82	1.80	1.82	1.80	1.83
160	1.90	1.90	1.89	1.86	1.85	1.83	1.83	1.80	1.80	1.80	1.81	1.81	1.83	1.83	1.83	1.82	1.84	1.82	1.84
165	1.89	1.88	1.89	1.86	1.87	1.85	1.85	1.82	1.83	1.83	1.83	1.81	1.84	1.84	1.84	1.83	1.85	1.83	1.85
170	1.90	1.89	1.89	1.87	1.89	1.87	1.89	1.86	1.89	1.86	1.87	1.85	1.87	1.85	1.86	1.84	1.87	1.83	1.86
175	1.92	1.91	1.92	1.90	1.93	1.91	1.93	1.90	1.92	1.90	1.91	1.88	1.90	1.88	1.90	1.87	1.90	1.89	1.90
180	1.96	1.96	1.96	1.96	1.97	1.97	1.97	1.96	1.96	1.96	1.96	1.93	1.93	1.92	1.93	1.92	1.93	1.93	1.93

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: LNS3201	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	486	486	486	486	486	486	486	486	486	486	486	486	486	486	486				
5	485	485	485	485	485	485	485	486	486	486	486	486	486	486	486				
10	479	479	480	480	480	481	481	481	481	481	481	482	482	482	482				
15	469	470	470	471	471	472	472	472	472	473	473	473	473	473	473				
20	456	457	457	458	458	459	459	460	460	460	460	461	461	461	461				
25	438	439	439	441	441	442	442	443	443	444	444	444	444	445	444				
30	417	418	418	420	420	421	421	423	422	424	423	424	424	425	424				
35	392	393	394	395	396	397	397	398	398	400	399	401	400	401	400				
40	364	366	366	368	368	370	370	371	371	373	372	374	373	374	374				
45	333	335	335	337	337	339	339	341	341	343	342	344	343	344	343				
50	299	302	302	304	304	306	306	308	308	310	309	311	310	311	311				
55	263	265	266	268	268	271	271	273	272	274	274	275	275	276	275				
60	225	228	228	230	230	233	233	235	235	236	236	238	237	238	237				
65	185	187	188	190	191	193	193	195	195	197	197	198	198	199	198				
70	144	147	147	150	150	152	152	154	155	156	156	158	157	158	157				
75	104	106	107	109	110	112	112	114	114	116	115	117	117	118	117				
80	65.9	67.4	68.6	70.0	71.0	72.4	73.2	74.4	75.1	76.1	76.6	77.4	77.7	78.3	78.3				
85	31.5	32.6	33.4	34.7	35.5	36.7	37.4	38.4	39.0	39.9	40.4	41.2	41.4	42.0	42.1				
90	4.86	5.67	6.24	7.10	7.55	8.27	8.62	9.27	9.56	10.1	10.4	11.0	11.2	11.7	11.9				
95	2.35	2.25	2.20	2.18	2.25	2.27	2.30	2.28	2.29	2.25	2.24	2.19	2.13	2.11	2.19				
100	1.93	1.80	1.72	1.57	1.60	1.59	1.62	1.58	1.60	1.57	1.58	1.60	1.74	1.81	1.92				
105	1.57	1.47	1.40	1.25	1.16	0.99	0.88	0.72	0.77	0.93	1.09	1.18	1.30	1.35	1.43				
110	1.20	1.15	1.15	1.06	0.90	0.75	0.70	0.71	0.67	0.71	0.68	0.71	0.72	0.74	0.78				
115	0.85	0.85	0.94	1.05	1.10	1.22	1.17	1.09	1.02	1.02	0.99	1.00	0.98	1.01	0.97				
120	0.95	0.99	0.97	1.09	1.15	1.26	1.31	1.42	1.46	1.45	1.36	1.35	1.32	1.36	1.32				
125	1.10	1.11	1.11	1.13	1.20	1.30	1.34	1.44	1.48	1.59	1.65	1.74	1.81	1.90	1.88				
130	1.27	1.27	1.25	1.31	1.27	1.36	1.42	1.52	1.56	1.66	1.71	1.80	1.87	1.96	1.98				
135	1.43	1.46	1.41	1.47	1.44	1.46	1.45	1.57	1.64	1.74	1.78	1.86	1.92	1.99	2.02				
140	1.54	1.58	1.57	1.60	1.58	1.61	1.59	1.66	1.66	1.76	1.81	1.87	1.90	1.99	2.02				
145	1.64	1.68	1.67	1.71	1.69	1.73	1.71	1.76	1.76	1.83	1.81	1.86	1.87	1.90	1.94				
150	1.71	1.73	1.73	1.77	1.77	1.82	1.80	1.81	1.83	1.87	1.89	1.92	1.92	1.96	1.98				
155	1.77	1.77	1.75	1.79	1.79	1.79	1.82	1.82	1.84	1.87	1.90	1.93	1.96	1.96	1.99				
160	1.81	1.82	1.80	1.81	1.82	1.84	1.84	1.86	1.87	1.89	1.92	1.93	1.96	1.93	1.96				
165	1.82	1.83	1.81	1.82	1.80	1.82	1.83	1.85	1.87	1.86	1.90	1.88	1.91	1.91	1.93				
170	1.83	1.86	1.84	1.87	1.84	1.87	1.85	1.86	1.85	1.86	1.86	1.86	1.87	1.88	1.89				
175	1.87	1.90	1.88	1.91	1.89	1.92	1.89	1.90	1.88	1.91	1.89	1.92	1.88	1.91	1.88				
180	1.92	1.93	1.93	1.93	1.93	1.94	1.93	1.94	1.93	1.94	1.94	1.97	1.94	1.97	1.96				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-05-03

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.400
 Humidity: 65.0%
 Test Distance: 7.110m [K=1.0000]
 Remarks: