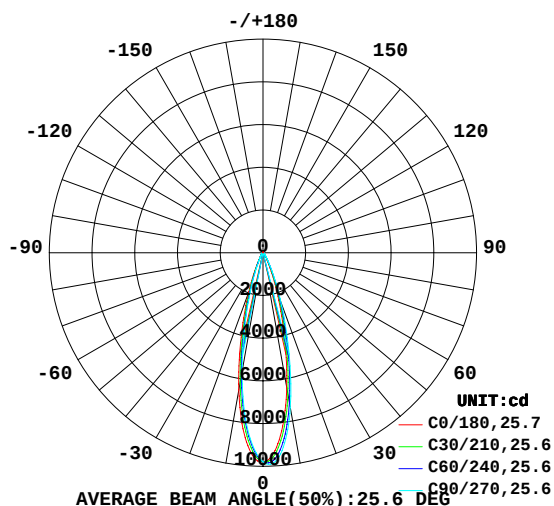


LUMINAIRE PHOTOMETRIC TEST REPORT

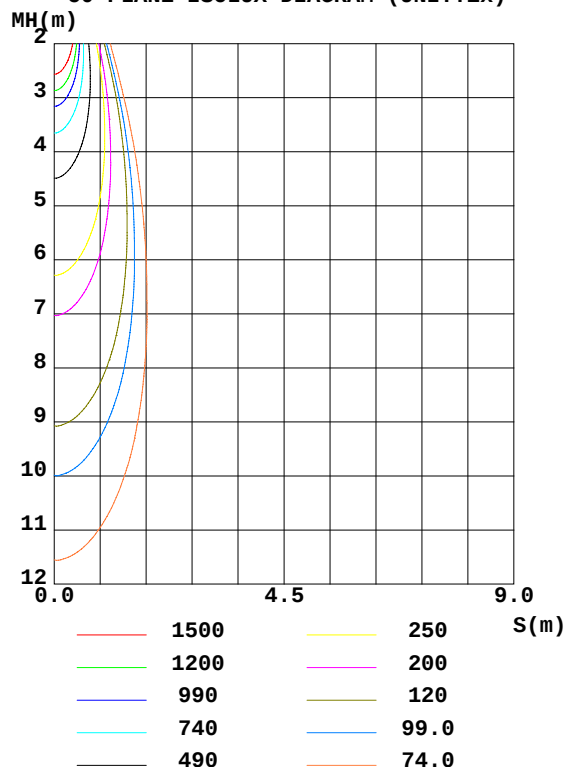
NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 98.61 lm/W			
MODEL	CXM-14	I _{max} (cd)	9943	S/MH(C0/180)	0.44
NOMINAL POWER(W)	30	LOR(%)	148.6	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2701.5	η UP, DN(C0-180)	1.4, 81.9
NOMINAL FLUX(lm)	1818.22	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 64.0
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	145.9	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:XYJ
 Test Date:2019-01-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

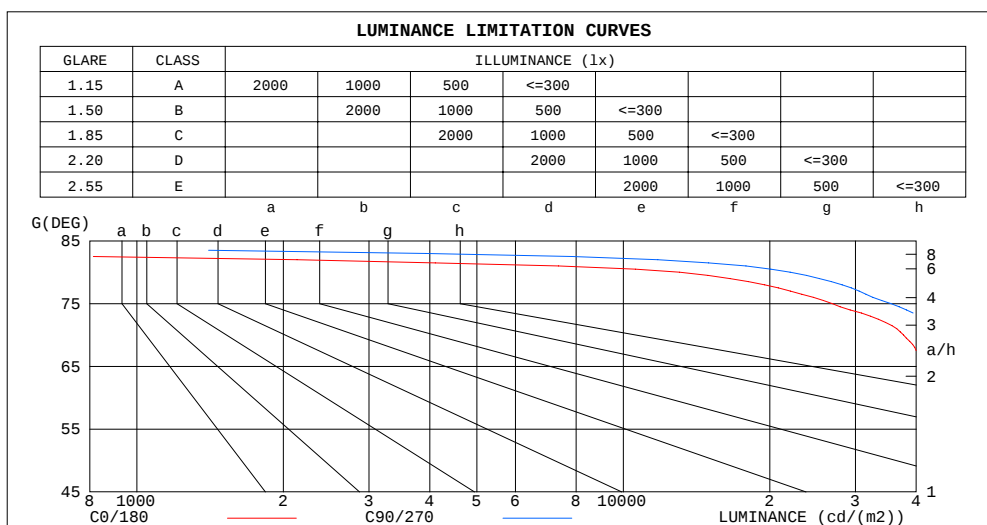
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	6399	7023	7364	7461	6522	5918	5651	5660	0- 10	768.0	768.0	28.4, 42.2
20	1858	2265	2465	2484	1930	1581	1442	1422	10- 20	1055	1823	67.5, 100
30	364.8	495.6	542.6	507.9	372.2	342.3	294.0	285.1	20- 30	425.0	2248	83.2, 124
40	149.4	179.7	190.5	176.0	150.9	148.7	138.2	137.2	30- 40	151.4	2399	88.8, 132
50	98.72	112.5	111.4	108.2	98.39	100.6	94.22	94.00	40- 50	96.87	2496	92.4, 137
60	69.26	77.52	76.83	76.30	69.84	67.02	63.91	63.39	50- 60	77.30	2573	95.2, 142
70	39.78	44.69	45.46	45.27	40.69	38.22	35.41	34.72	60- 70	54.33	2628	97.3, 145
80	6.996	9.986	11.93	13.59	8.120	3.620	1.806	2.032	70- 80	24.60	2652	98.2, 146
90	0	0	0	0	0	0	0	0	80- 90	1.127	2653	98.2, 146
100	0	0	0	0	0	0	0	0	90-100	0	2653	98.2, 146
110	0	0	0	0	0	0	0	0	100-110	0	2653	98.2, 146
120	0.3224	0.0012	0	0	0	0	0	0	110-120	0.0010	2653	98.2, 146
130	6.466	5.285	4.759	4.621	3.010	3.966	4.476	4.306	120-130	1.486	2655	98.3, 146
140	18.49	16.83	16.02	15.91	13.05	14.69	15.59	15.45	130-140	7.386	2662	98.5, 146
150	29.91	28.75	28.29	28.31	26.12	27.43	28.17	27.91	140-150	13.79	2676	99.1, 147
160	33.13	33.01	33.67	33.64	32.67	32.58	32.77	31.98	150-160	14.46	2690	99.6, 148
170	26.40	27.25	28.36	28.47	27.71	27.14	26.41	25.29	160-170	8.785	2699	99.9, 148
180	23.01	23.63	23.00	23.28	23.04	23.60	23.01	23.26	170-180	2.388	2702	100, 149
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2019-01-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



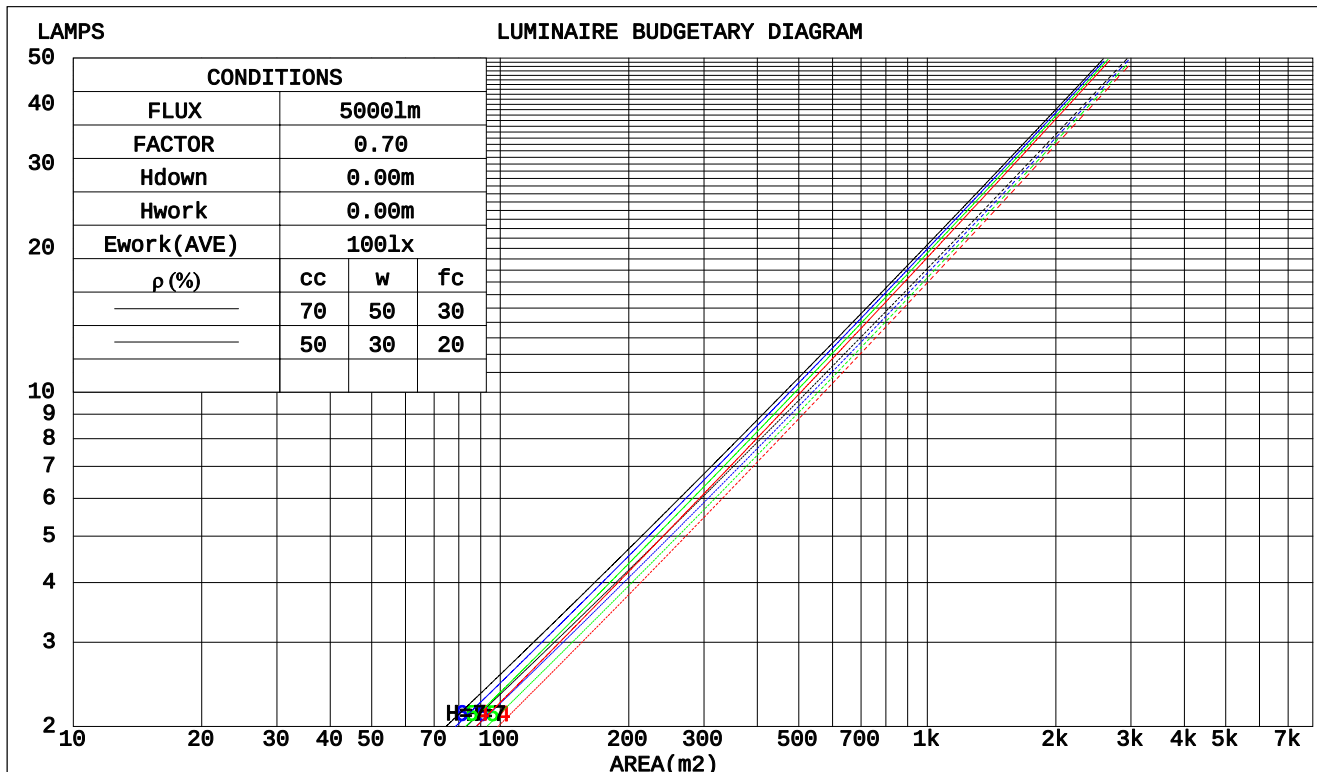
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:XYJ
 Test Date:2019-01-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	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	1.76	1.76	1.76	1.72	1.72	1.72	1.64	1.64	1.64	1.56	1.56	1.56	1.49	1.49	1.49	1.46
1.0	1.65	1.62	1.59	1.62	1.59	1.56	1.55	1.53	1.51	1.49	1.47	1.46	1.44	1.42	1.41	1.38
2.0	1.55	1.50	1.45	1.52	1.48	1.44	1.47	1.43	1.40	1.43	1.39	1.37	1.38	1.36	1.33	1.31
3.0	1.47	1.40	1.35	1.45	1.39	1.34	1.40	1.35	1.31	1.37	1.32	1.29	1.33	1.30	1.27	1.25
4.0	1.39	1.32	1.27	1.38	1.31	1.26	1.34	1.29	1.24	1.31	1.26	1.23	1.28	1.24	1.21	1.19
5.0	1.33	1.26	1.20	1.31	1.25	1.20	1.29	1.23	1.18	1.26	1.21	1.17	1.24	1.19	1.16	1.14
6.0	1.27	1.20	1.15	1.26	1.19	1.14	1.24	1.18	1.13	1.21	1.16	1.12	1.19	1.15	1.11	1.09
7.0	1.22	1.15	1.10	1.21	1.14	1.09	1.19	1.13	1.09	1.17	1.12	1.08	1.16	1.11	1.07	1.05
8.0	1.18	1.10	1.05	1.17	1.10	1.05	1.15	1.09	1.04	1.13	1.08	1.04	1.12	1.07	1.03	1.02
9.0	1.13	1.06	1.02	1.13	1.06	1.01	1.11	1.05	1.01	1.10	1.04	1.00	1.09	1.04	.00	.98
10.0	1.10	1.03	.98	1.09	1.02	.98	1.08	1.02	.98	1.07	1.01	.97	1.05	1.00	.97	.95



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2019-01-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	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	.242	.138	.044	.231	.132	.042	.211	.121	.039	.193	.111	.036	.176	.102	.033		
2.0	.227	.125	.038	.218	.120	.037	.201	.112	.035	.186	.104	.033	.171	.097	.031		
3.0	.212	.113	.034	.205	.110	.033	.190	.103	.031	.177	.097	.030	.165	.091	.028		
4.0	.199	.103	.030	.192	.101	.030	.180	.095	.028	.168	.090	.027	.158	.086	.026		
5.0	.187	.095	.028	.181	.093	.027	.170	.089	.026	.160	.084	.025	.151	.081	.024		
6.0	.176	.088	.025	.171	.086	.025	.161	.083	.024	.153	.079	.023	.144	.076	.023		
7.0	.166	.082	.023	.162	.081	.023	.153	.078	.022	.146	.075	.022	.138	.072	.021		
8.0	.158	.077	.022	.154	.076	.021	.146	.073	.021	.139	.071	.020	.133	.068	.020		
9.0	.150	.072	.020	.146	.071	.020	.140	.069	.020	.134	.067	.019	.128	.065	.019		
10.0	.143	.069	.019	.140	.068	.019	.134	.066	.018	.128	.064	.018	.123	.062	.018		

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	.303	.303	.303	.259	.259	.259	.177	.177	.177	.102	.102	.102	.032	.032	.032	
1.0	.273	.254	.237	.234	.218	.204	.160	.150	.141	.092	.087	.082	.029	.028	.027	
2.0	.249	.218	.191	.213	.187	.165	.146	.130	.115	.084	.075	.068	.027	.024	.022	
3.0	.229	.189	.158	.196	.163	.137	.135	.113	.096	.078	.066	.057	.025	.021	.019	
4.0	.212	.167	.133	.181	.144	.115	.125	.101	.081	.072	.059	.048	.023	.019	.016	
5.0	.197	.149	.114	.169	.129	.099	.116	.090	.070	.067	.053	.042	.022	.017	.014	
6.0	.184	.135	.099	.158	.117	.087	.109	.082	.061	.063	.048	.036	.020	.016	.012	
7.0	.173	.123	.088	.149	.107	.077	.103	.075	.054	.060	.044	.032	.019	.014	.011	
8.0	.164	.113	.079	.141	.098	.069	.098	.069	.049	.057	.041	.029	.018	.013	.010	
9.0	.155	.105	.071	.134	.091	.062	.093	.064	.044	.054	.038	.026	.017	.012	.009	
10.0	.148	.098	.065	.128	.085	.057	.089	.060	.040	.052	.036	.024	.017	.012	.008	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:23DEG
 Operators:XYJ
 Test Date:2019-01-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

NAME: VN-TL0030-21						TYPE:3000K CRI90 White 24D					WEIGHT:				
SPEC.:						DIM.:					SERIAL No.:				
MFR.: 1						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	20.9	21.7	21.2	21.9	22.1	21.7	22.5	22.0	22.7	22.9					
3H	22.1	22.8	22.4	23.0	23.3	22.9	23.6	23.1	23.8	24.0					
4H	22.4	23.1	22.7	23.3	23.6	23.3	24.0	23.6	24.2	24.4					
6H	22.5	23.1	22.8	23.4	23.7	23.4	24.1	23.7	24.3	24.6					
8H	22.4	23.1	22.8	23.4	23.6	23.4	24.0	23.7	24.3	24.6					
12H	22.4	23.0	22.7	23.3	23.6	23.4	24.0	23.7	24.3	24.6					
4H 2H	21.5	22.2	21.8	22.4	22.7	22.2	22.9	22.5	23.1	23.3					
3H	22.8	23.4	23.2	23.7	24.0	23.5	24.1	23.8	24.4	24.7					
4H	23.2	23.8	23.6	24.1	24.5	24.0	24.5	24.3	24.8	25.2					
6H	23.3	23.8	23.7	24.2	24.6	24.2	24.7	24.6	25.0	25.4					
8H	23.3	23.8	23.7	24.1	24.5	24.1	24.6	24.6	25.0	25.4					
12H	23.2	23.7	23.7	24.1	24.5	24.1	24.5	24.5	24.9	25.3					
8H 4H	23.4	23.8	23.8	24.2	24.6	24.0	24.5	24.5	24.9	25.3					
6H	23.5	23.9	24.0	24.3	24.8	24.3	24.7	24.7	25.1	25.5					
8H	23.5	23.8	23.9	24.2	24.7	24.3	24.6	24.7	25.0	25.5					
12H	23.4	23.7	23.9	24.2	24.7	24.2	24.5	24.7	25.0	25.5					
12H 4H	23.3	23.8	23.8	24.2	24.6	24.0	24.4	24.4	24.8	25.2					
6H	23.5	23.8	24.0	24.3	24.7	24.2	24.6	24.7	25.0	25.5					
8H	23.4	23.7	23.9	24.2	24.7	24.2	24.5	24.7	25.0	25.5					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.5									
1.5H	+ 0.1 / - 0.4					+ 0.3 / - 0.4									
2.0H	+ 0.3 / - 0.5					+ 0.4 / - 0.6									

CIE Pub.117, 1818 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 2.1$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2019-01-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

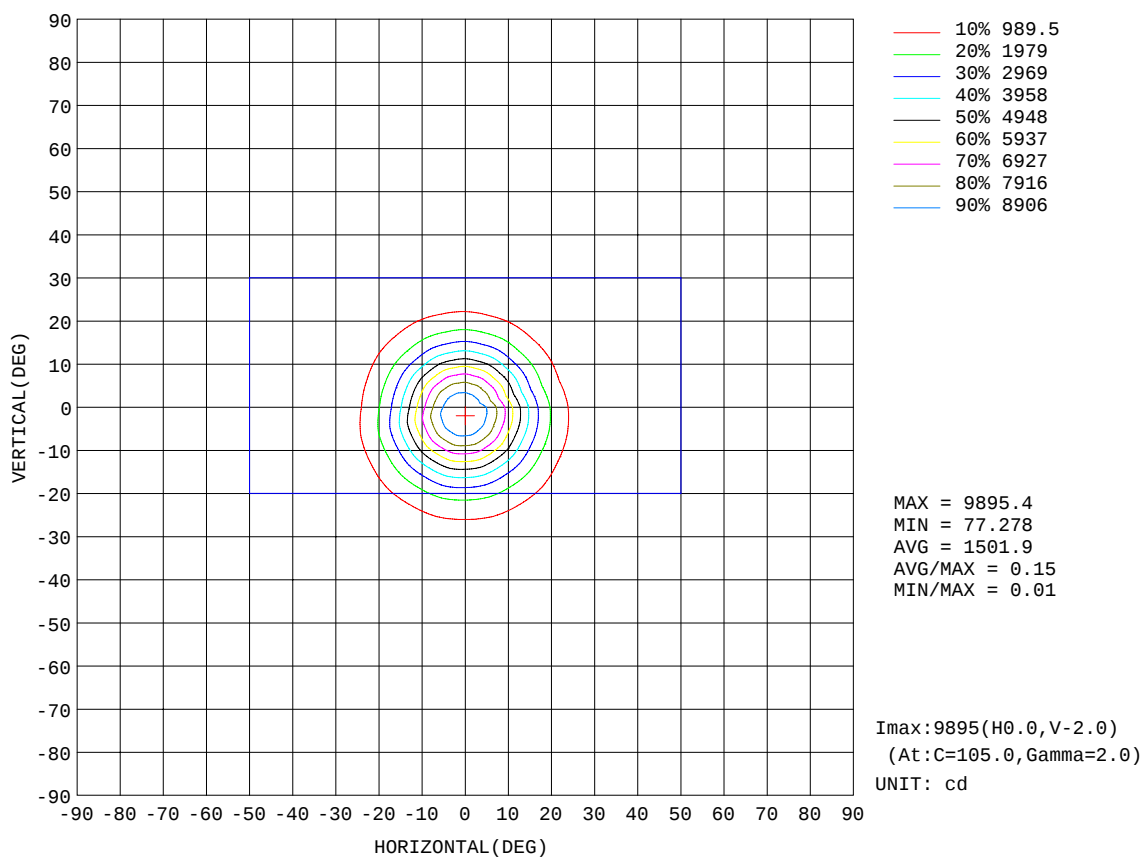
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	126	116	110	125	116	110	124	115	109	104
0.80	137	128	122	136	127	121	134	126	121	115
1.00	144	135	129	142	134	128	140	134	128	121
1.25	150	142	136	148	141	135	145	139	134	127
1.50	154	147	141	152	145	140	148	143	138	131
2.00	159	152	147	156	150	146	152	147	143	134
2.50	162	155	151	159	153	149	154	149	146	136
3.00	164	159	154	161	156	152	156	152	149	138
4.00	168	163	159	164	160	157	158	155	153	141
5.00	170	166	163	166	163	160	160	157	155	143
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: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2019-01-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

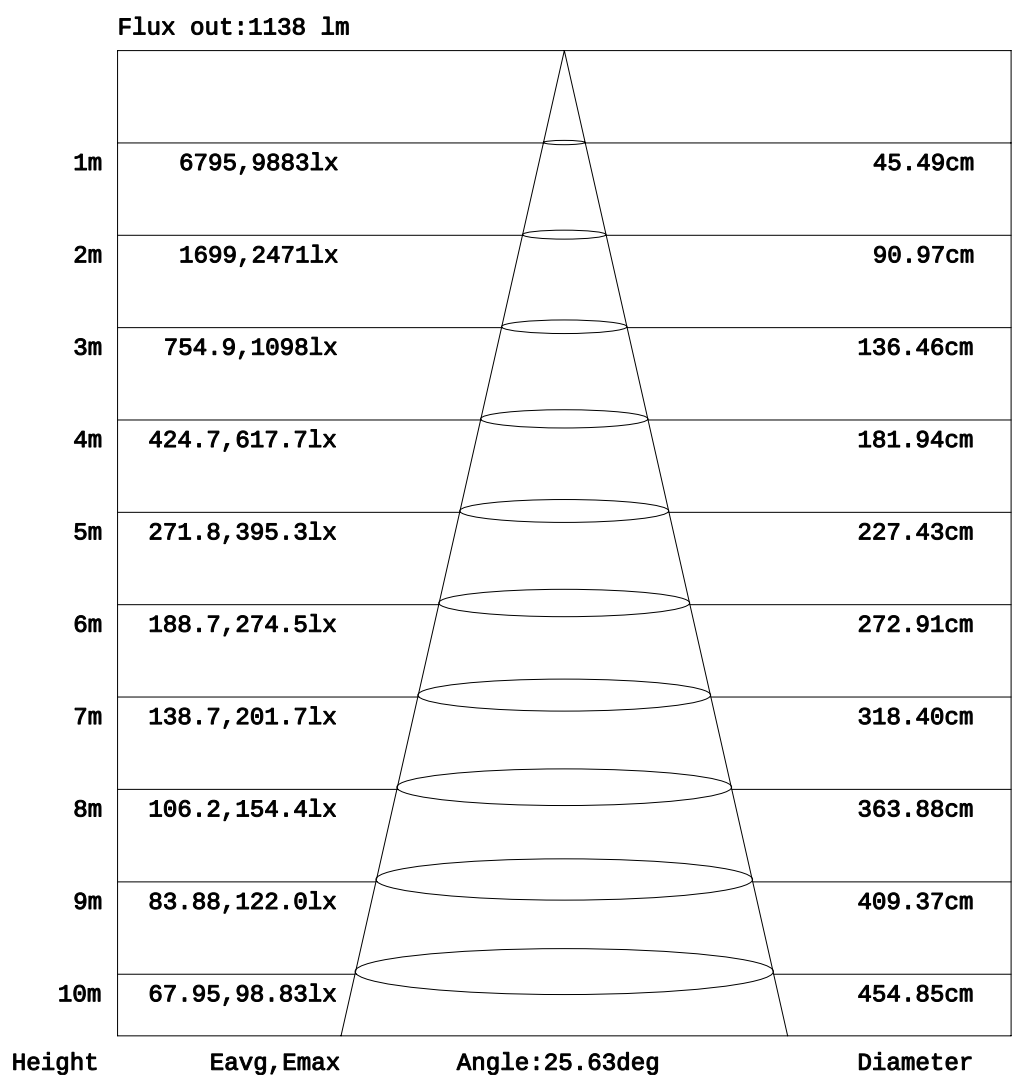


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2019-01-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

AAI Figure

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



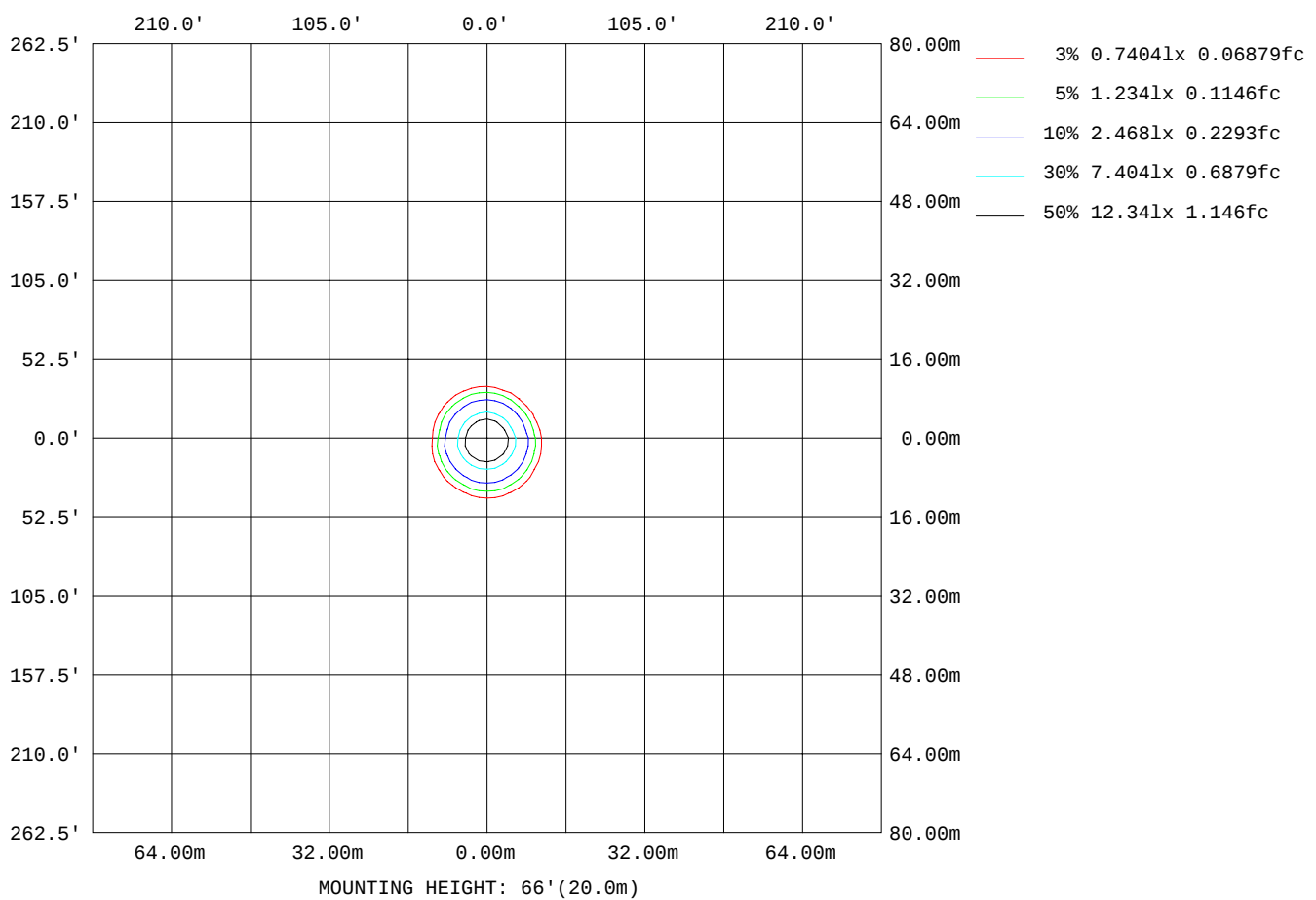
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2019-01-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2019-01-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

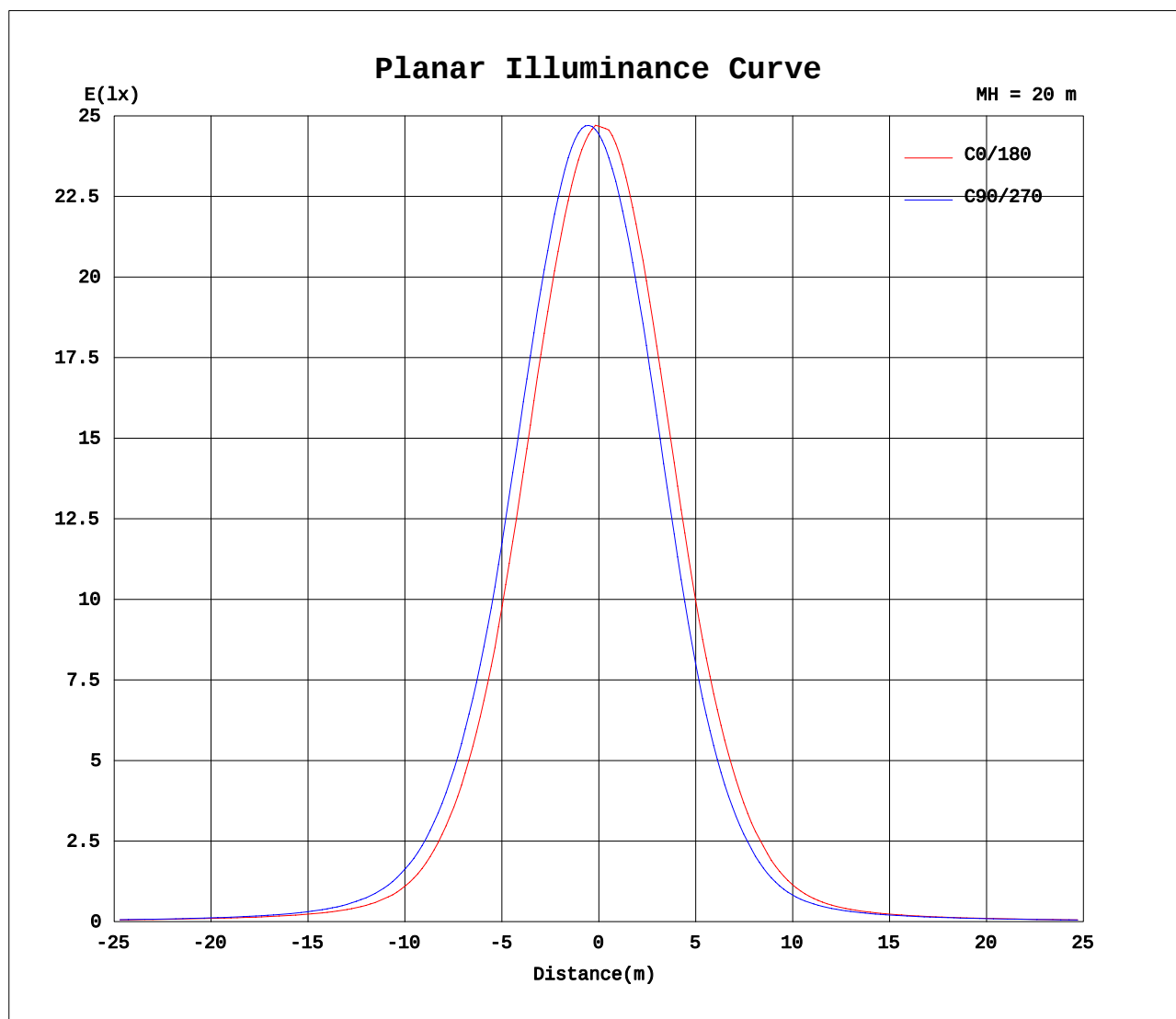
AvgL	cd/m2
L_0~180(65)av	40930
L_0~180(75)av	27959
L_0~180(85)av	0
L_90~270(65)av	41246
L_90~270(75)av	28400
L_90~270(85)av	0
L_45(65)av	41174
L_45(75)av	28404
L_45(85)av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2019-01-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2019-01-10

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788	9788
5	8784	8901	8987	9195	9268	9436	9455	9546	9479	9483	9336	9289	8889	8701	8623	8456	8406	8283	8283
10	6399	6610	6725	7023	7124	7366	7364	7520	7408	7461	7218	7133	6522	6265	6160	5918	5836	5651	5651
15	3742	3948	4044	4313	4384	4608	4620	4761	4652	4680	4476	4406	3853	3627	3525	3303	3235	3073	3076
20	1858	2006	2088	2265	2315	2453	2465	2552	2463	2484	2335	2279	1930	1781	1718	1581	1540	1445	1442
25	796	886	945	1072	1092	1183	1161	1207	1130	1151	1049	1008	832	774	757	701	677	621	600
30	365	395	435	496	523	550	543	547	514	508	466	439	372	355	355	342	335	311	294
35	214	225	241	272	289	302	295	290	272	266	253	243	214	208	211	207	206	194	186
40	149	154	163	180	187	196	190	186	178	176	171	164	151	147	152	149	149	141	138
45	119	122	128	138	142	147	140	137	134	132	130	127	119	116	118	120	119	114	112
50	98.7	101	105	113	115	116	111	110	108	108	108	105	98.4	96.2	98.7	101	99.5	95.7	94.2
55	83.9	85.9	89.9	94.7	98.0	97.3	92.6	91.5	91.0	91.4	91.5	89.1	83.9	82.5	84.6	84.8	83.5	81.0	79.2
60	69.3	71.2	73.7	77.5	77.8	80.2	76.8	76.2	76.6	76.3	74.2	75.0	69.8	68.6	69.5	67.0	66.2	65.2	63.9
65	53.6	54.6	55.4	57.5	58.0	59.6	58.6	59.0	58.4	58.4	57.4	57.0	54.2	53.5	53.1	51.8	51.7	50.7	50.1
70	39.8	41.2	42.7	44.7	45.8	46.4	45.5	45.3	44.3	45.3	44.4	43.7	40.7	39.9	39.7	38.2	37.5	35.7	35.4
75	21.5	22.8	23.8	25.5	26.5	28.4	28.6	29.6	29.1	29.3	27.8	27.4	23.6	22.1	21.5	19.7	18.7	17.0	17.2
80	7.00	8.18	8.76	9.99	10.4	11.5	11.9	13.3	13.1	13.6	12.0	11.9	8.12	6.12	5.45	3.62	3.16	1.91	1.81
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.32	0.16	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	2.60	2.30	2.14	1.87	1.76	1.55	1.51	1.38	1.42	1.40	1.58	1.68	0.51	0.72	0.86	1.11	1.22	1.41	1.40
130	6.47	5.99	5.76	5.29	5.12	4.81	4.76	4.57	4.66	4.62	4.92	5.07	3.01	3.35	3.56	3.97	4.14	4.46	4.48
135	12.0	11.4	11.1	10.4	10.2	9.80	9.74	9.50	9.62	9.58	9.97	10.2	7.20	7.67	7.98	8.56	8.79	9.25	9.30
140	18.5	17.8	17.5	16.8	16.5	16.1	16.0	15.8	15.9	15.9	16.3	16.6	13.0	13.6	14.0	14.7	15.0	15.5	15.6
145	24.9	24.3	23.9	23.4	23.1	22.7	22.6	22.4	22.5	22.6	22.9	23.2	19.8	20.4	20.8	21.4	21.7	22.3	22.3
150	29.9	29.4	29.1	28.8	28.6	28.3	28.3	28.2	28.3	28.3	28.6	28.8	26.1	26.6	26.9	27.4	27.6	28.1	28.2
155	32.8	32.4	32.3	32.2	32.1	32.2	32.2	32.2	32.2	32.2	32.3	32.5	30.7	31.0	31.2	31.4	31.5	31.9	32.0
160	33.1	32.9	32.8	33.0	33.2	33.6	33.7	33.8	33.6	33.6	33.6	33.8	32.7	32.7	32.6	32.6	32.6	32.8	32.8
165	30.6	30.6	30.4	31.0	31.6	32.2	32.4	32.7	32.3	32.0	31.8	32.1	31.2	31.1	30.8	30.7	30.9	30.9	30.7
170	26.4	26.5	26.8	27.3	27.5	28.1	28.4	28.6	28.3	28.5	28.4	28.3	27.7	27.6	27.6	27.1	26.9	26.7	26.4
175	23.1	23.3	23.6	24.2	24.5	24.5	24.5	24.8	24.7	25.0	24.8	24.5	24.3	24.4	24.7	24.6	24.1	23.7	23.3
180	23.0	23.0	23.2	23.6	23.3	23.1	23.0	22.9	22.9	23.3	22.8	22.5	23.0	23.0	23.2	23.6	23.3	23.1	23.0

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2019-01-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VN-TL0030-21	TYPE:3000K CRI90 White 24D	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	9788	9788	9788	9788	9788														
5	8220	8279	8271	8369	8404														
10	5565	5662	5660	5825	5864														
15	3011	3090	3087	3235	3285														
20	1391	1432	1422	1520	1553														
25	573	589	589	629	654														
30	280	286	285	303	317														
35	179	180	182	188	198														
40	133	134	137	139	143														
45	109	110	112	114	113														
50	92.1	94.0	94.0	96.4	95.2														
55	78.2	79.5	79.5	82.0	81.8														
60	63.2	64.0	63.4	64.3	66.5														
65	49.0	49.3	49.2	50.2	50.6														
70	34.2	34.8	34.7	36.1	36.5														
75	16.8	17.0	17.1	18.2	18.4														
80	1.41	1.93	2.03	3.06	3.32														
85	0.00	0.00	0.00	0.00	0.00														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	0.00	0.00														
100	0.00	0.00	0.00	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	1.44	1.29	1.23	1.02	0.94														
130	4.58	4.37	4.31	3.97	3.85														
135	9.48	9.20	9.15	8.68	8.50														
140	15.8	15.5	15.4	14.9	14.7														
145	22.5	22.2	22.1	21.6	21.4														
150	28.3	28.0	27.9	27.4	27.3														
155	32.0	31.6	31.5	31.2	31.1														
160	32.6	32.2	32.0	31.9	31.9														
165	30.4	30.0	29.4	29.1	29.4														
170	26.0	25.7	25.3	25.3	25.2														
175	23.2	23.2	23.0	22.4	22.3														
180	22.8	22.9	23.3	22.8	22.5														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:23DEG
Operators:XYJ
Test Date:2019-01-10

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks: