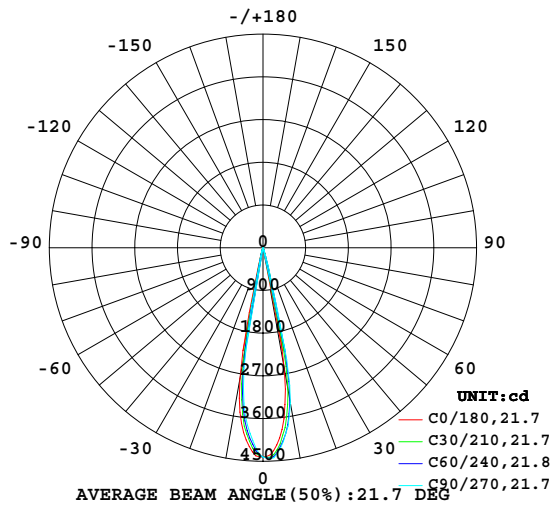


LUMINAIRE PHOTOMETRIC TEST REPORT

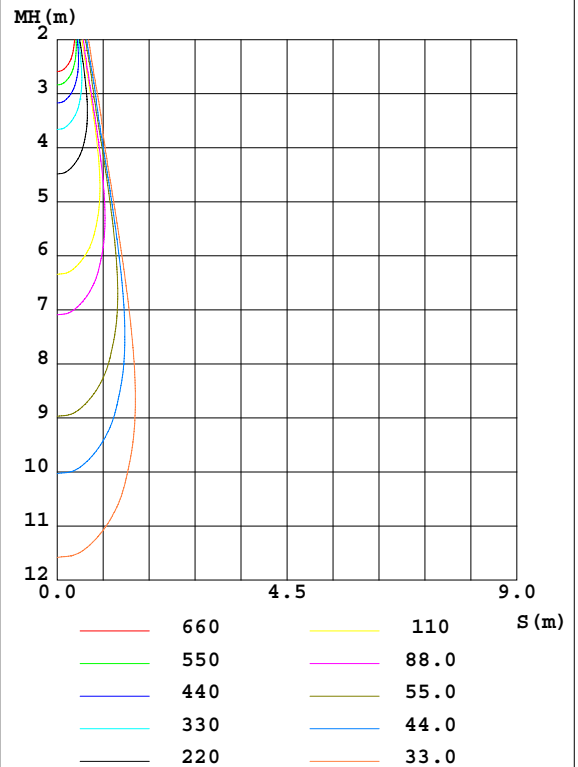
NAME: VN-TLO015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 37.19 lm/W
MODEL	CXA1512	Imax(cd)	4451	S/MH(C0/180)	0.31	
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.28	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	531.62	h UP,DN(C0-180)	0.6,57.7	
NOMINAL FLUX(lm)	531.625	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.5,41.2	
LAMPS INSIDE	1	h up(%)	1.1	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230	h down(%)	98.9	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: HIGH
Temperature:23DEG
Operators:XYJ
Test Date:2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

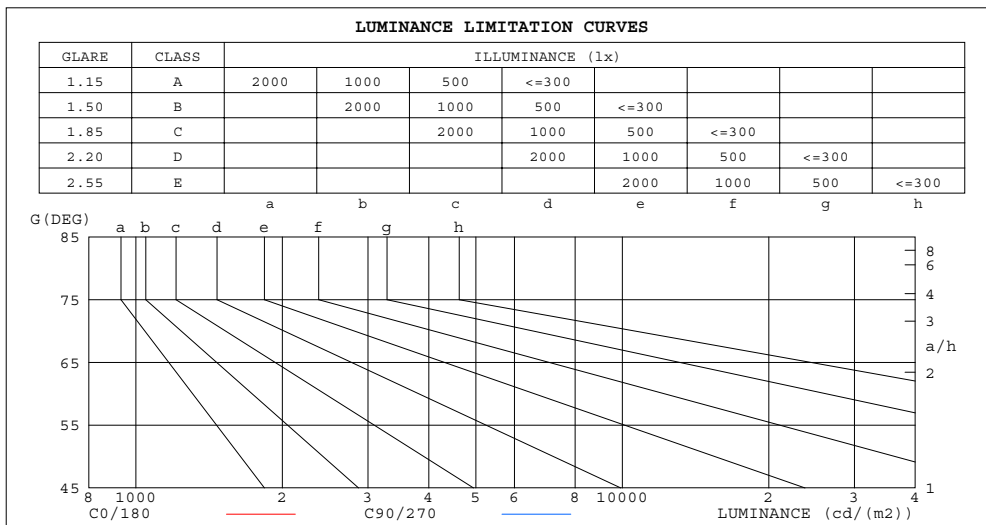
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	2596	3229	3328	3364	2806	2110	1895	1907	0- 10	343.5	343.5	64.6,64.6
20	71.78	86.56	91.12	91.12	69.34	58.37	52.45	56.45	10- 20	164.4	507.9	95.5,95.5
30	12.12	13.10	13.26	13.28	11.32	9.588	9.093	9.706	20- 30	13.63	521.5	98.1,98.1
40	2.670	2.730	2.701	2.736	2.355	1.907	1.768	2.067	30- 40	3.524	525.0	98.8,98.8
50	0.1199	0.0994	0.1221	0.1943	0	0	0	0.0005	40- 50	0.7400	525.8	98.9,98.9
60	0	0	0	0	0	0	0	0	50- 60	0.0031	525.8	98.9,98.9
70	0	0	0	0	0	0	0	0	60- 70	0	525.8	98.9,98.9
80	0	0	0	0	0	0	0	0	70- 80	0	525.8	98.9,98.9
90	0	0	0	0	0	0	0	0	80- 90	0	525.8	98.9,98.9
100	0	0	0	0	0	0	0	0	90-100	0	525.8	98.9,98.9
110	0	0	0	0	0	0	0	0	100-110	0	525.8	98.9,98.9
120	0	0	0	0	0	0	0	0	110-120	0	525.8	98.9,98.9
130	0	0	0	0	0	0	0	0	120-130	0	525.8	98.9,98.9
140	1.651	1.191	1.008	1.001	0.0035	0.3119	0.4722	0.4837	130-140	0.0638	525.8	98.9,98.9
150	5.058	4.925	4.880	4.891	4.288	4.606	4.702	4.732	140-150	1.784	527.6	99.2,99.2
160	5.763	5.570	5.781	5.721	5.890	5.730	5.938	5.639	150-160	2.506	530.1	99.7,99.7
170	2.430	2.876	3.263	3.440	3.113	2.797	2.450	2.281	160-170	1.376	531.5	100,100
180	0	0	0	0	0	0	0	0	170-180	0.1345	531.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:23DEG
 Operators:XYJ
 Test Date:2019-6-14

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

NAME: VN-TL0015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	0
80	0	0
75	0	0
70	0	0
65	0	0
60	0	0
55	0	0
50	52	52
45	429	420

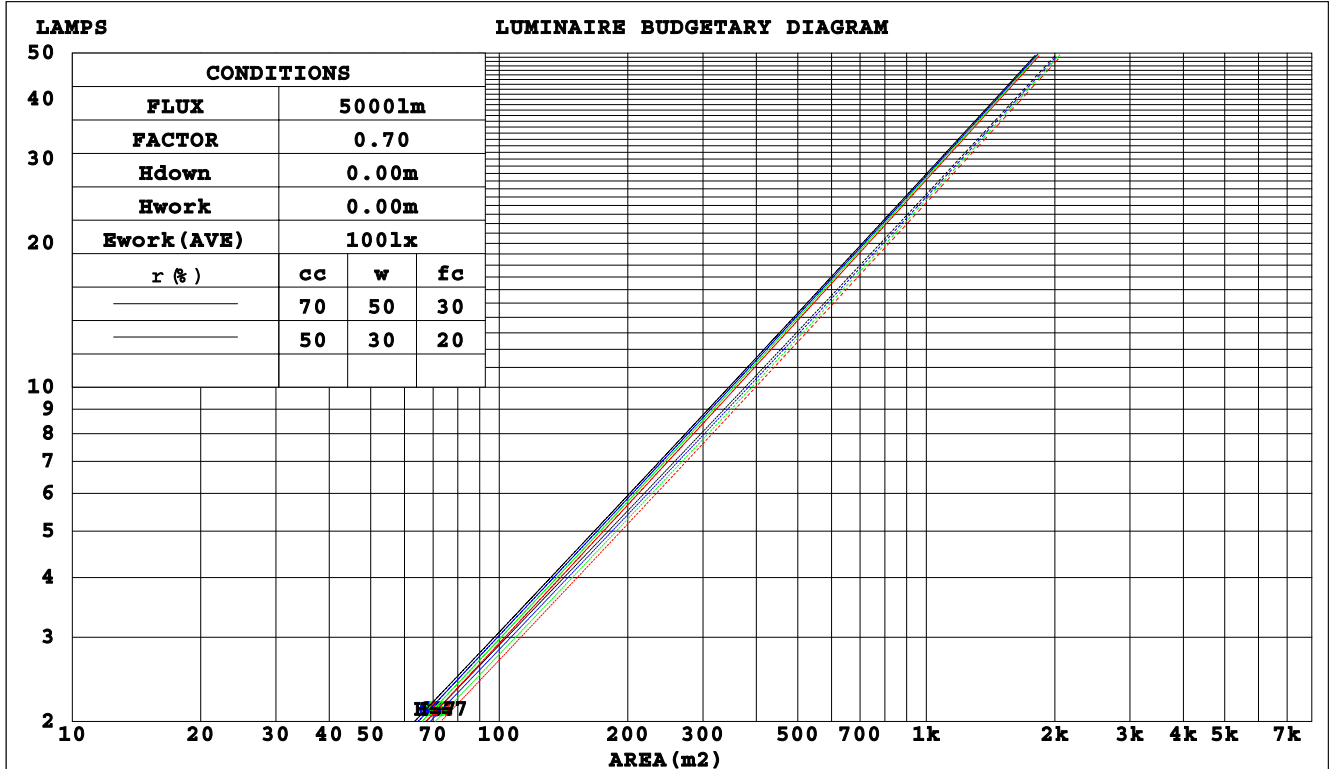
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 23DEG
Operators: XYJ
Test Date: 2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-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-TLO015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfe	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	1.10	1.10	1.10	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.14	1.12	1.11	1.12	1.10	1.09	1.08	1.06	1.05	1.04	1.03	1.02	1.00	.00	.99	.97
2.0	1.10	1.07	1.05	1.08	1.06	1.04	1.05	1.03	1.02	1.02	1.01	.00	.99	.98	.97	.96
3.0	1.07	1.04	1.02	1.05	1.03	1.01	1.03	1.01	.99	1.00	.99	.97	.98	.97	.96	.95
4.0	1.04	1.01	.98	1.03	1.00	.98	1.01	.99	.97	.99	.97	.96	.97	.96	.94	.93
5.0	1.02	.98	.96	1.01	.98	.96	.99	.97	.95	.98	.95	.94	.96	.94	.93	.92
6.0	.99	.96	.94	.99	.96	.94	.97	.95	.93	.96	.94	.92	.95	.93	.92	.91
7.0	.98	.95	.92	.97	.94	.92	.96	.93	.92	.95	.93	.91	.94	.92	.91	.90
8.0	.96	.93	.91	.96	.93	.91	.95	.92	.90	.94	.92	.90	.93	.91	.90	.89
9.0	.94	.92	.90	.94	.91	.89	.93	.91	.89	.93	.90	.89	.92	.90	.89	.88
10.0	.93	.90	.88	.93	.90	.88	.92	.90	.88	.92	.89	.88	.91	.89	.88	.87



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:XYJ
Test Date:2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: VN-TL0015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0	
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
rfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.113	.065	.020	.107	.061	.019	.094	.054	.017	.082	.047	.015	.071	.041	.013		
2.0	.103	.056	.017	.097	.053	.016	.086	.048	.015	.077	.043	.013	.068	.038	.012		
3.0	.094	.050	.015	.089	.048	.014	.080	.043	.013	.072	.039	.012	.065	.036	.011		
4.0	.086	.045	.013	.082	.043	.013	.075	.040	.012	.068	.037	.011	.062	.034	.010		
5.0	.080	.041	.012	.076	.039	.011	.070	.037	.011	.064	.034	.010	.059	.032	.009		
6.0	.074	.037	.011	.072	.036	.010	.066	.034	.010	.061	.032	.009	.057	.030	.009		
7.0	.070	.034	.010	.067	.034	.010	.063	.032	.009	.058	.030	.009	.054	.028	.008		
8.0	.066	.032	.009	.064	.031	.009	.060	.030	.009	.056	.028	.008	.052	.027	.008		
9.0	.062	.030	.008	.060	.029	.008	.057	.028	.008	.054	.027	.008	.050	.026	.007		
10.0	.059	.028	.008	.057	.028	.008	.054	.027	.007	.051	.026	.007	.049	.024	.007		

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.199	.199	.199	.170	.170	.170	.116	.116	.116	.067	.067	.067	.021	.021	.021	
1.0	.175	.166	.158	.150	.143	.136	.103	.098	.094	.059	.057	.055	.019	.018	.018	
2.0	.156	.141	.129	.133	.122	.112	.091	.084	.078	.053	.049	.046	.017	.016	.015	
3.0	.139	.122	.108	.119	.105	.093	.082	.073	.066	.047	.043	.039	.015	.014	.013	
4.0	.125	.106	.091	.107	.092	.079	.074	.064	.056	.043	.037	.033	.014	.012	.011	
5.0	.114	.093	.078	.098	.081	.068	.067	.056	.048	.039	.033	.029	.013	.011	.009	
6.0	.104	.083	.068	.089	.072	.059	.062	.050	.042	.036	.030	.025	.012	.010	.008	
7.0	.095	.074	.060	.082	.064	.052	.057	.045	.037	.033	.027	.022	.011	.009	.007	
8.0	.088	.067	.053	.076	.058	.046	.053	.041	.033	.031	.024	.019	.010	.008	.006	
9.0	.082	.061	.047	.071	.053	.041	.049	.037	.029	.029	.022	.017	.009	.007	.006	
10.0	.077	.056	.043	.066	.049	.037	.046	.034	.026	.027	.020	.016	.009	.007	.005	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:XYJ
Test Date:2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: VN-TLO015-41					TYPE:3000K CRI90 Black 20-40D			WEIGHT:			
SPEC.:S					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		-5.7	-5.2	-5.5	-5.1	-4.9	-5.5	-5.0	-5.3	-4.9	-4.7
3H		-5.9	-5.4	-5.6	-5.2	-5.0	-5.6	-5.2	-5.4	-5.0	-4.8
4H		-5.9	-5.5	-5.7	-5.3	-5.1	-5.7	-5.3	-5.5	-5.1	-4.8
6H		-6.0	-5.6	-5.7	-5.4	-5.1	-5.8	-5.4	-5.5	-5.1	-4.9
8H		-6.1	-5.7	-5.8	-5.4	-5.1	-5.8	-5.4	-5.5	-5.2	-4.9
12H		-6.1	-5.7	-5.8	-5.4	-5.2	-5.9	-5.5	-5.6	-5.2	-5.0
4H 2H		-5.9	-5.5	-5.7	-5.3	-5.1	-5.7	-5.3	-5.5	-5.1	-4.8
3H		-6.1	-5.7	-5.8	-5.4	-5.2	-5.9	-5.5	-5.6	-5.2	-5.0
4H		-6.2	-5.8	-5.9	-5.5	-5.2	-6.0	-5.6	-5.6	-5.3	-5.0
6H		-6.3	-6.0	-5.9	-5.7	-5.3	-6.1	-5.8	-5.7	-5.4	-5.1
8H		-6.4	-6.1	-6.0	-5.7	-5.3	-6.2	-5.9	-5.8	-5.5	-5.1
12H		-6.4	-6.2	-6.0	-5.8	-5.4	-6.2	-5.9	-5.8	-5.6	-5.2
8H 4H		-6.4	-6.1	-6.0	-5.7	-5.3	-6.2	-5.9	-5.8	-5.5	-5.1
6H		-6.5	-6.2	-6.1	-5.8	-5.4	-6.3	-6.0	-5.8	-5.6	-5.2
8H		-6.6	-6.3	-6.1	-5.9	-5.5	-6.3	-6.1	-5.9	-5.7	-5.2
12H		-6.6	-6.4	-6.2	-6.0	-5.5	-6.4	-6.2	-5.9	-5.8	-5.3
12H 4H		-6.4	-6.2	-6.0	-5.8	-5.4	-6.2	-5.9	-5.8	-5.6	-5.2
6H		-6.6	-6.3	-6.1	-5.9	-5.5	-6.3	-6.1	-5.9	-5.7	-5.2
8H		-6.6	-6.4	-6.2	-6.0	-5.5	-6.4	-6.2	-5.9	-5.8	-5.3
Variations with the observer position at spacings:											
S = 1.0H		+ 3.4 / - 1.\$					+ 3.5 / - 1.\$				
1.5H		+ 5.8 / - 1.\$					+ 6.0 / - 1.\$				
2.0H		+ 8.5 / - 1.\$					+ 8.4 / - 1.\$				

CIE Pub.117, 531.6 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = -2.2)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:XYJ
Test Date:2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: VN-TLO015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

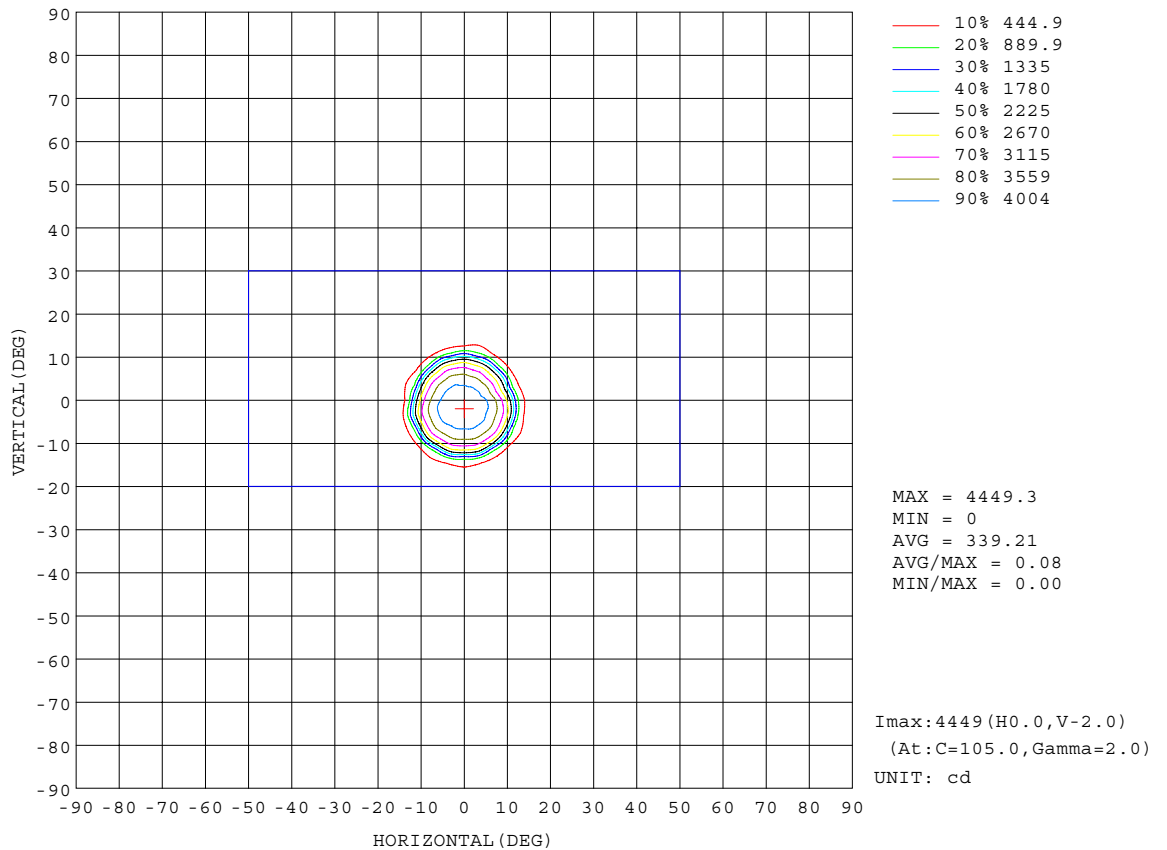
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	100	104	101	98	94
2.00	110	106	103	108	105	102	105	103	100	95
2.50	111	108	105	109	106	104	106	104	102	96
3.00	112	109	107	111	108	106	107	105	103	97
4.00	114	112	110	112	110	108	108	107	105	98
5.00	115	113	112	113	112	110	109	108	107	99
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SERNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:XYJ
Test Date:2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: VN-TLO015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



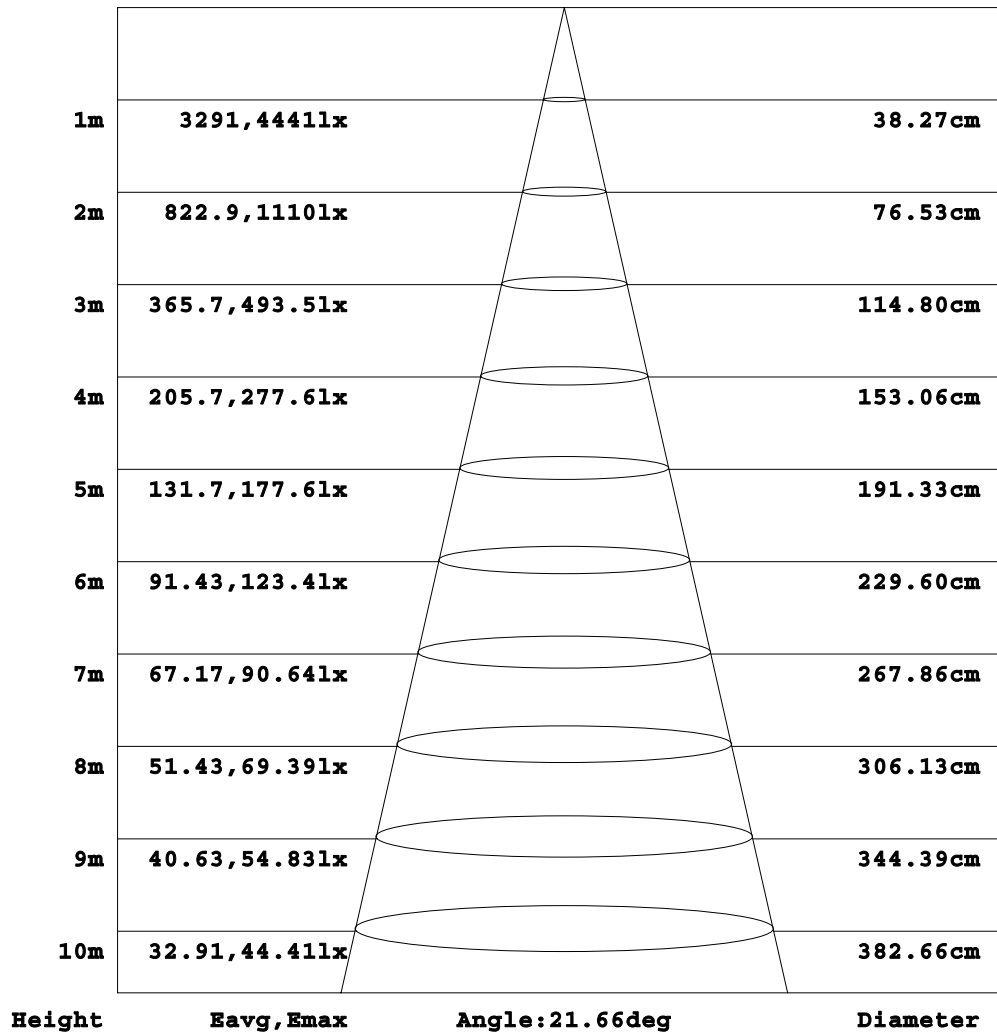
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 23DEG
Operators: XYJ
Test Date: 2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.300m [K=1.0000]
Remarks:

AAI Figure

NAME: VN-TLO015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Flux out:390.7 lm



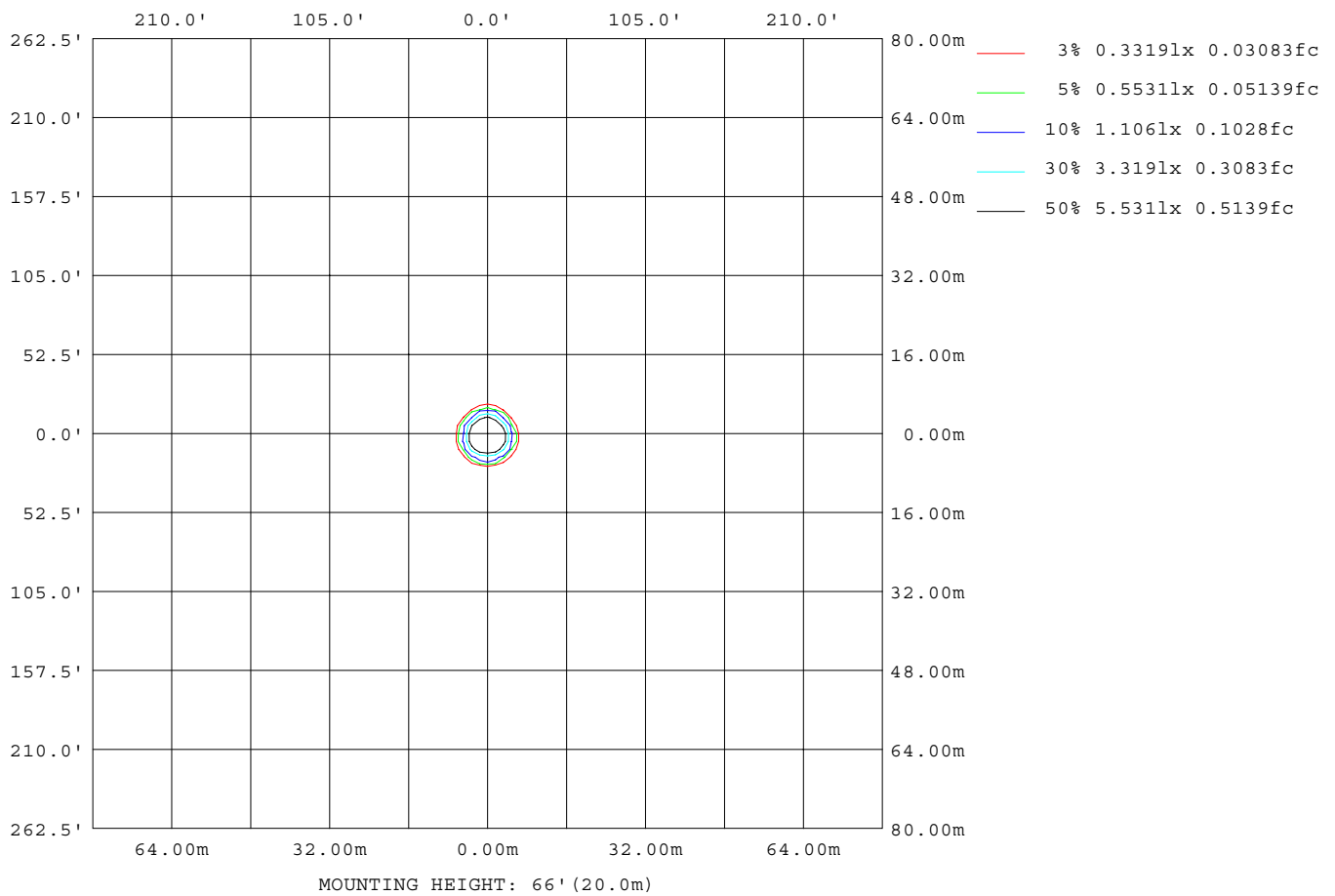
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:23DEG
 Operators:XYJ
 Test Date:2019-6-14

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.300m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: VN-TLO015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:XYJ
Test Date:2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: VN-TLO015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

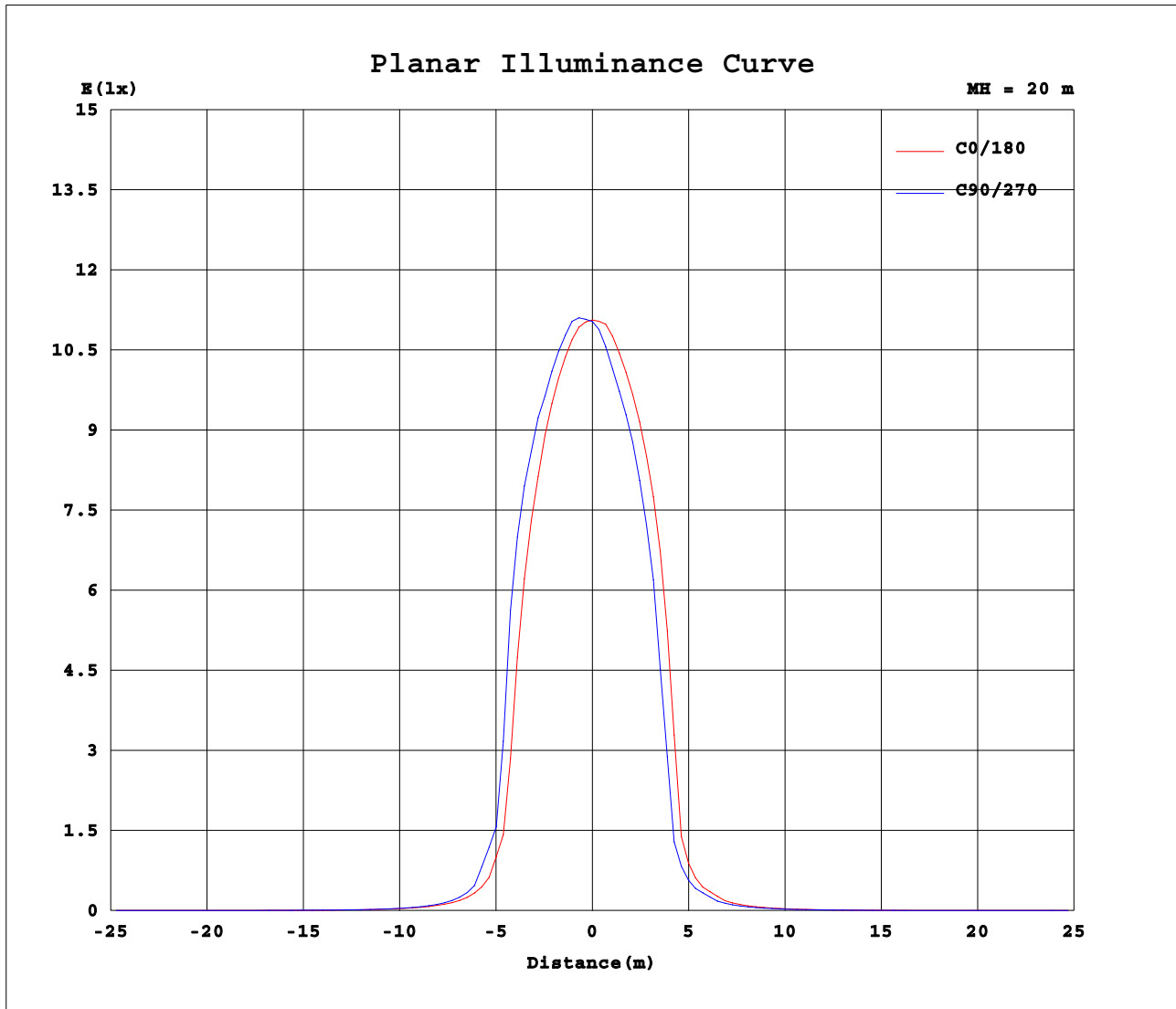
AvgL	cd/m2
L_0~180 (65) av	0
L_0~180 (75) av	0
L_0~180 (85) av	0
L_90~270 (65) av	0
L_90~270 (75) av	0
L_90~270 (85) av	0
L_45 (65) av	0
L_45 (75) av	0
L_45 (85) av	0

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:XYJ
Test Date:2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-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: HIGH
 Temperature: 23DEG
 Operators: XYJ
 Test Date: 2019-6-14

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.300m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VN-TLO015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--1

UNIT: cd

g (DEG) \ C (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411	4411
5	4023	4107	4151	4205	4207	4244	4237	4247	4255	4278	4204	4208	4066	3985	3941	3876	3862	3794	3755
10	2596	2925	3039	3229	3262	3362	3328	3380	3305	3364	3255	3226	2806	2502	2368	2110	2086	1946	1895
15	276	322	456	394	444	453	527	471	516	440	427	378	271	235	224	198	197	180	184
20	71.8	78.3	79.5	86.6	86.7	93.1	91.1	94.9	89.6	91.1	85.2	85.2	69.3	62.7	60.7	58.4	54.9	53.0	52.5
25	27.1	28.8	28.8	30.4	30.1	31.8	31.1	32.1	30.6	31.2	29.9	30.4	25.8	23.9	23.2	21.5	21.3	20.2	20.6
30	12.1	12.7	12.6	13.1	13.0	13.4	13.3	13.5	13.0	13.3	12.8	13.0	11.3	10.6	10.3	9.59	9.43	8.97	9.09
35	5.75	5.91	5.82	6.02	5.91	6.12	6.00	6.11	5.86	6.00	5.89	6.03	5.23	4.85	4.72	4.38	4.28	4.05	4.13
40	2.67	2.72	2.63	2.73	2.65	2.76	2.70	2.77	2.65	2.74	2.69	2.77	2.36	2.14	2.06	1.91	1.83	1.73	1.77
45	1.10	1.09	1.03	1.07	1.03	1.09	1.08	1.11	1.09	1.14	1.11	1.12	0.88	0.71	0.69	0.60	0.56	0.49	0.56
50	0.12	0.10	0.06	0.10	0.07	0.12	0.12	0.17	0.17	0.19	0.16	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
55	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
60	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
65	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
70	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
75	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
80	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
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	0.00	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
125	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
130	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
135	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
140	1.65	1.45	1.38	1.19	1.15	1.00	1.01	0.93	1.01	1.00	1.14	1.17	0.00	0.04	0.11	0.31	0.34	0.49	0.47
145	3.77	3.62	3.54	3.40	3.35	3.24	3.25	3.20	3.26	3.26	3.36	3.39	2.17	2.36	2.43	2.63	2.67	2.81	2.81
150	5.06	5.01	4.98	4.92	4.92	4.87	4.88	4.85	4.89	4.89	4.94	4.95	4.29	4.43	4.47	4.61	4.62	4.73	4.70
155	5.53	5.51	5.48	5.47	5.46	5.46	5.46	5.47	5.46	5.49	5.49	5.52	5.44	5.49	5.50	5.54	5.57	5.60	5.60
160	5.76	5.69	5.57	5.57	5.68	5.78	5.78	5.80	5.73	5.72	5.76	5.85	5.89	5.88	5.77	5.73	5.77	5.90	5.94
165	4.75	4.71	4.63	4.79	4.93	5.17	5.27	5.25	5.17	5.18	5.15	5.31	5.25	5.07	4.89	4.79	4.85	4.80	4.90
170	2.43	2.65	2.75	2.88	2.98	3.20	3.26	3.44	3.37	3.44	3.42	3.40	3.11	3.02	3.01	2.80	2.72	2.57	2.45
175	0.21	0.42	0.49	0.72	0.81	0.83	0.89	1.09	1.17	1.22	1.13	1.05	0.74	0.64	0.68	0.59	0.50	0.31	0.14
180	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

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:23DEG

Operators:XYJ

Test Date:2019-6-14

g Range: 0 - 180DEG

g Interval: 1.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401

Humidity:65.0%

Test Distance:5.300m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VN-TLO015-41	TYPE:3000K CRI90 Black 20-40D	WEIGHT:
SPEC.:S	DIM.:	SERIAL No.:
MFR.: 1	SUR.:	Shielding Angle:

Table--2

UNIT: cd

g (DEG) \ C (DEG)	285	300	315	330	345														
0	4411	4411	4411	4411	4411														
5	3722	3772	3747	3812	3852														
10	1847	1860	1907	2069	2091														
15	175	185	183	201	206														
20	52.2	53.6	56.5	58.1	59.2														
25	20.1	21.1	21.5	23.0	23.4														
30	8.95	9.44	9.71	10.4	10.6														
35	4.09	4.37	4.53	4.93	5.05														
40	1.78	1.95	2.07	2.27	2.35														
45	0.58	0.71	0.76	0.89	0.92														
50	0.00	0.00	0.00	0.00	0.01														
55	0.00	0.00	0.00	0.00	0.00														
60	0.00	0.00	0.00	0.00	0.00														
65	0.00	0.00	0.00	0.00	0.00														
70	0.00	0.00	0.00	0.00	0.00														
75	0.00	0.00	0.00	0.00	0.00														
80	0.00	0.00	0.00	0.00	0.00														
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	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.55	0.46	0.48	0.32	0.28														
145	2.88	2.80	2.82	2.67	2.62														
150	4.77	4.70	4.73	4.62	4.61														
155	5.62	5.59	5.58	5.56	5.55														
160	5.88	5.72	5.64	5.65	5.78														
165	4.70	4.65	4.46	4.44	4.54														
170	2.36	2.37	2.28	2.34	2.23														
175	0.07	0.13	0.04	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:23DEG
Operators:XYJ
Test Date:2019-6-14

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.300m [K=1.0000]
Remarks: