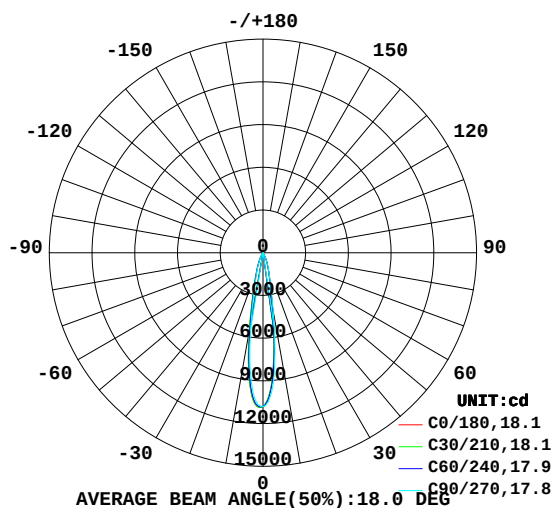


LUMINAIRE PHOTOMETRIC TEST REPORT

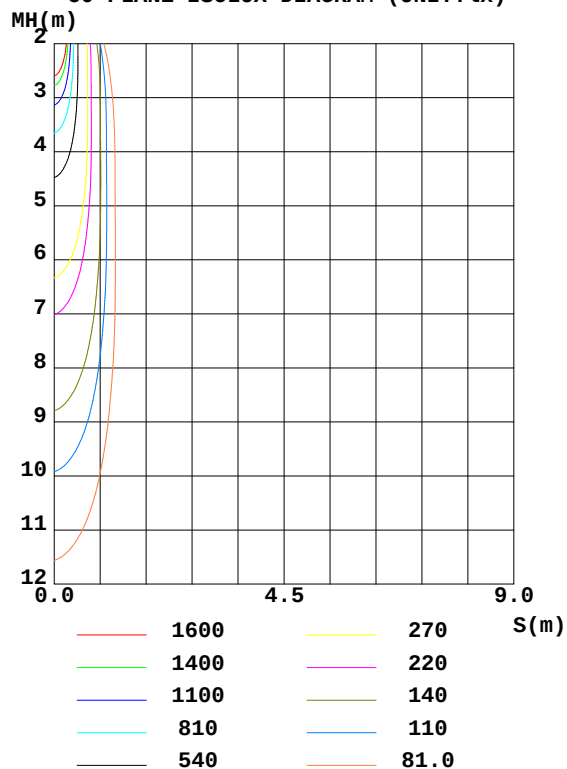
NAME: VM070-VF72RF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 90.42 lm/W
MODEL	BXRE-30G1000-C-7X	Imax(cd)	10896	S/MH(C0/180)	0.34	
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.32	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1763.6	η UP, DN(C0-180)	1.2, 47.5	
NOMINAL FLUX(lm)	1763.55	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 50.1	
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	230	η down(%)	97.6	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: 28DEG
Operators: LGL
Test Date: 2021-08-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

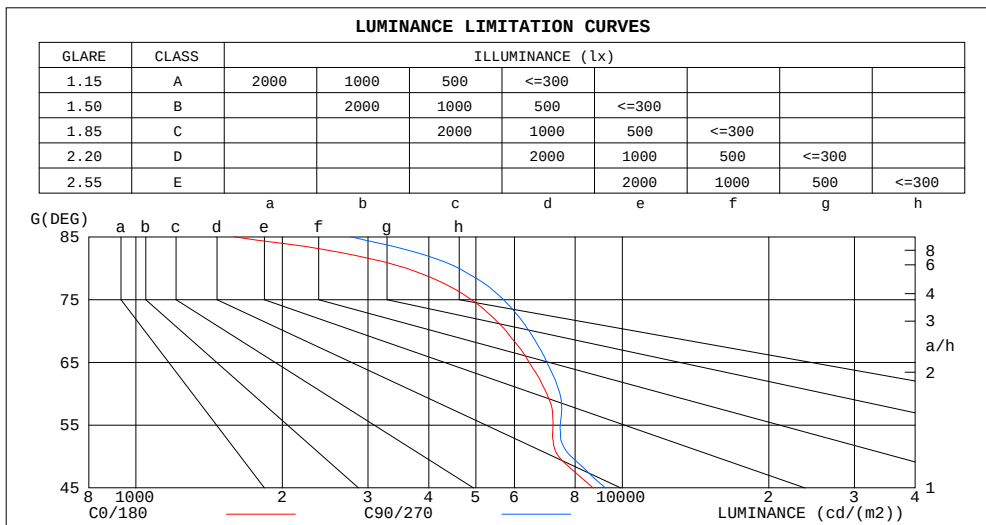
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	387.6	388.4	416.1	517.1	554.5	530.0	476.3	406.4	0- 10	708.6	708.6	40.2, 40.2
20	98.16	97.15	102.7	117.8	126.1	120.2	112.3	99.71	10- 20	602.7	1311	74.4, 74.4
30	16.05	16.75	19.35	25.86	29.15	24.69	20.39	16.81	20- 30	264.8	1576	89.4, 89.4
40	4.663	4.598	4.945	5.175	5.575	5.230	5.060	4.585	30- 40	64.31	1640	93, 93
50	2.753	2.811	2.928	3.134	3.204	3.117	2.937	2.767	40- 50	29.77	1670	94.7, 94.7
60	2.025	2.067	2.160	2.273	2.321	2.250	2.142	2.014	50- 60	22.39	1693	96, 96
70	1.142	1.186	1.278	1.403	1.442	1.364	1.258	1.137	60- 70	16.97	1709	96.9, 96.9
80	0.3617	0.3952	0.4649	0.5305	0.5762	0.5257	0.4512	0.3610	70- 80	9.034	1719	97.4, 97.4
90	0.0454	0.0463	0.0460	0.0463	0.0480	0.0437	0.0444	0.0443	80- 90	1.951	1720	97.6, 97.6
100	0.0603	0.0597	0.0590	0.0570	0.0586	0.0570	0.0608	0.0612	90-100	0.5622	1721	97.6, 97.6
110	0.0823	0.0791	0.0766	0.0729	0.0758	0.0751	0.0785	0.0826	100-110	0.7122	1722	97.6, 97.6
120	0.1793	0.1704	0.1596	0.1437	0.1433	0.1437	0.1541	0.1730	110-120	1.066	1723	97.7, 97.7
130	0.5209	0.5058	0.4697	0.4152	0.4136	0.4158	0.4448	0.5155	120-130	2.475	1725	97.8, 97.8
140	1.462	1.445	1.381	1.259	1.262	1.273	1.341	1.469	130-140	6.565	1732	98.2, 98.2
150	2.328	2.317	2.299	2.233	2.225	2.234	2.277	2.334	140-150	11.63	1743	98.9, 98.9
160	2.536	2.520	2.590	2.570	2.593	2.589	2.632	2.572	150-160	11.42	1755	99.5, 99.5
170	1.961	1.917	2.081	2.133	2.236	2.189	2.162	2.001	160-170	6.893	1762	99.9, 99.9
180	1.606	1.617	1.593	1.633	1.607	1.616	1.595	1.633	170-180	1.764	1764	100, 100
DEG	LUMINOUS INTENSITY: ×10cd									UNIT: lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME: VM070-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	1593	2766
80	3598	4611
75	4890	5697
70	5768	6434
65	6435	6999
60	6995	7440
55	7203	7454
50	7398	7845
45	8705	9235

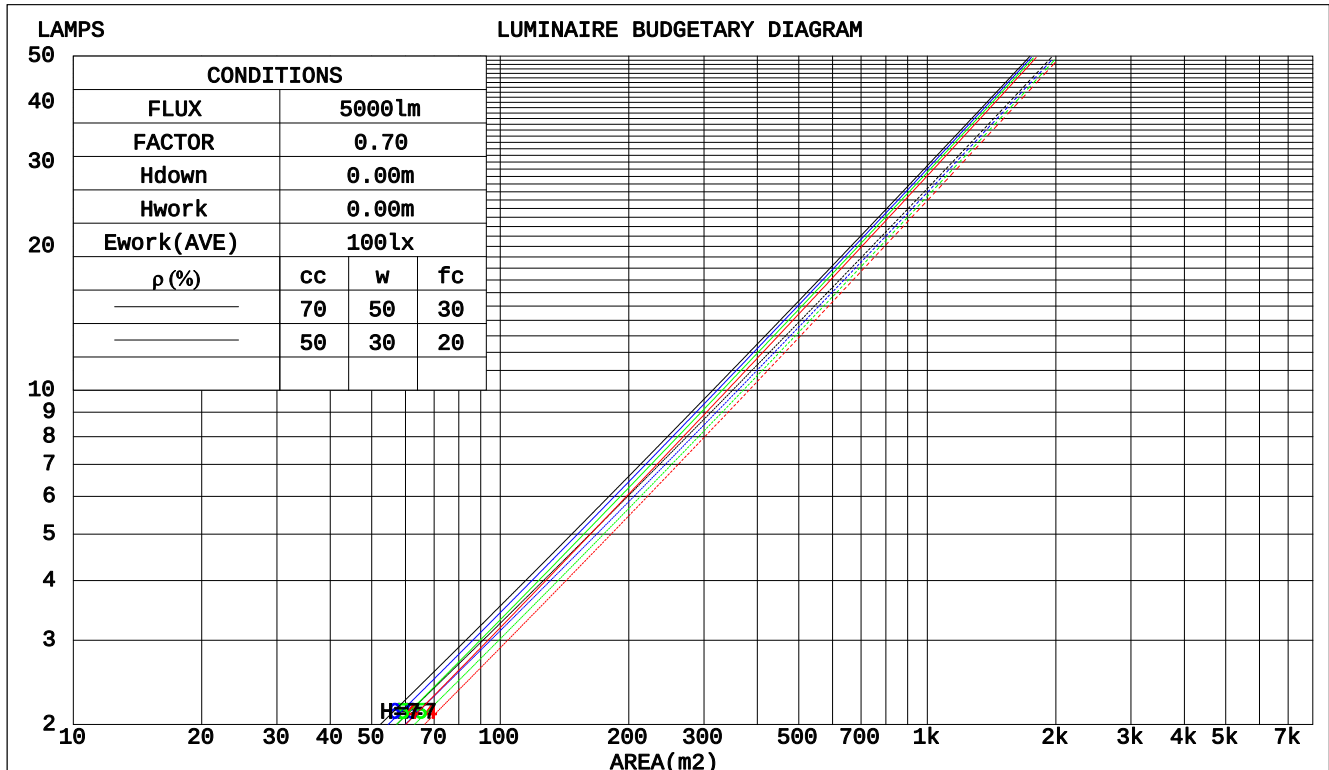
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: VM070-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	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	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.12	1.10	1.08	1.09	1.08	1.06	1.05	1.04	1.02	1.01	.00	.99	.97	.96	.96	.94
2.0	1.06	1.03	1.00	1.04	1.01	.99	1.01	.98	.97	.98	.96	.94	.95	.93	.92	.90
3.0	1.01	.98	.94	.00	.96	.94	.97	.94	.92	.94	.92	.90	.92	.90	.88	.87
4.0	.97	.93	.90	.96	.92	.89	.94	.90	.88	.91	.89	.87	.89	.87	.85	.84
5.0	.93	.89	.86	.92	.89	.86	.91	.87	.85	.89	.86	.84	.87	.85	.83	.82
6.0	.90	.86	.83	.89	.85	.82	.88	.84	.82	.86	.83	.81	.85	.82	.80	.79
7.0	.87	.83	.80	.87	.83	.80	.85	.82	.79	.84	.81	.79	.83	.80	.78	.77
8.0	.85	.80	.78	.84	.80	.77	.83	.79	.77	.82	.79	.76	.81	.78	.76	.75
9.0	.82	.78	.75	.82	.78	.75	.81	.77	.75	.80	.77	.74	.79	.76	.74	.73
10.0	.80	.76	.73	.80	.76	.73	.79	.75	.73	.78	.75	.73	.77	.74	.72	.71



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: VM070-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	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	.146	.083	.026	.139	.079	.025	.125	.072	.023	.112	.065	.021	.100	.058	.019		
2.0	.135	.074	.023	.129	.071	.022	.117	.065	.020	.107	.060	.019	.097	.055	.017		
3.0	.125	.067	.020	.120	.064	.019	.110	.060	.018	.101	.055	.017	.093	.051	.016		
4.0	.117	.061	.018	.112	.059	.017	.104	.055	.016	.096	.052	.016	.089	.048	.015		
5.0	.109	.056	.016	.106	.054	.016	.098	.051	.015	.092	.048	.014	.085	.046	.014		
6.0	.103	.052	.015	.100	.050	.014	.093	.048	.014	.087	.045	.013	.082	.043	.013		
7.0	.097	.048	.014	.094	.047	.013	.089	.045	.013	.084	.043	.012	.079	.041	.012		
8.0	.092	.045	.013	.090	.044	.012	.085	.042	.012	.080	.041	.012	.076	.039	.011		
9.0	.088	.042	.012	.085	.042	.012	.081	.040	.011	.077	.039	.011	.073	.037	.011		
10.0	.084	.040	.011	.082	.039	.011	.078	.038	.011	.074	.037	.010	.070	.035	.010		

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	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.188	.176	.166	.161	.151	.143	.110	.104	.099	.063	.060	.057	.020	.019	.019	
2.0	.170	.152	.136	.146	.130	.117	.100	.090	.082	.058	.053	.048	.018	.017	.016	
3.0	.156	.132	.114	.133	.114	.099	.092	.079	.069	.053	.046	.041	.017	.015	.013	
4.0	.143	.117	.097	.123	.101	.084	.085	.071	.059	.049	.041	.035	.016	.013	.012	
5.0	.133	.105	.084	.114	.091	.073	.079	.063	.052	.046	.037	.031	.015	.012	.010	
6.0	.124	.095	.074	.107	.082	.065	.074	.058	.046	.043	.034	.027	.014	.011	.009	
7.0	.116	.087	.066	.100	.075	.058	.069	.053	.041	.040	.031	.024	.013	.010	.008	
8.0	.110	.080	.060	.094	.070	.052	.065	.049	.037	.038	.029	.022	.012	.009	.007	
9.0	.104	.075	.055	.090	.065	.048	.062	.045	.034	.036	.027	.020	.012	.009	.007	
10.0	.099	.070	.050	.085	.061	.044	.059	.043	.031	.034	.025	.019	.011	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME: vM070-vF72RF01-20W						TYPE:indoor lights			WEIGHT:1		
SPEC.:3000K-CRI90-15D						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	10.3	9.9	10.5	10.7	10.0	10.7	10.2	10.8	11.0
	3H	10.8	11.4	11.1	11.6	11.9	11.2	11.8	11.5	12.0	12.3
	4H	11.2	11.8	11.5	12.0	12.3	11.6	12.2	11.9	12.5	12.7
	6H	11.4	12.0	11.7	12.2	12.5	11.9	12.5	12.3	12.8	13.1
	8H	11.4	12.0	11.8	12.3	12.6	12.0	12.5	12.3	12.8	13.1
	12H	11.4	11.9	11.8	12.2	12.5	12.0	12.5	12.3	12.8	13.1
4H	2H	10.2	10.8	10.5	11.0	11.3	10.4	11.0	10.7	11.3	11.5
	3H	11.5	12.0	11.8	12.3	12.6	11.8	12.3	12.1	12.6	12.9
	4H	11.9	12.4	12.3	12.8	13.1	12.4	12.8	12.7	13.2	13.5
	6H	12.2	12.7	12.6	13.0	13.4	12.7	13.1	13.1	13.5	13.9
	8H	12.3	12.7	12.7	13.0	13.5	12.8	13.2	13.2	13.6	14.0
	12H	12.2	12.6	12.7	13.0	13.5	12.8	13.2	13.3	13.6	14.0
8H	4H	12.1	12.5	12.5	12.9	13.3	12.5	12.9	12.9	13.3	13.7
	6H	12.4	12.8	12.9	13.2	13.7	12.9	13.2	13.4	13.7	14.1
	8H	12.5	12.8	13.0	13.3	13.7	13.0	13.3	13.5	13.8	14.3
	12H	12.5	12.8	13.0	13.2	13.8	13.1	13.3	13.6	13.8	14.3
12H	4H	12.1	12.4	12.5	12.9	13.3	12.4	12.8	12.9	13.2	13.7
	6H	12.4	12.7	12.9	13.2	13.7	12.9	13.2	13.4	13.6	14.1
	8H	12.5	12.8	13.0	13.2	13.8	13.0	13.3	13.5	13.8	14.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H		+ 0.3 / - 0.3					+ 0.5 / - 0.3				
2.0H		+ 0.2 / - 0.3					+ 0.3 / - 0.4				

CIE Pub.117, 1764 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.0$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: VM070-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

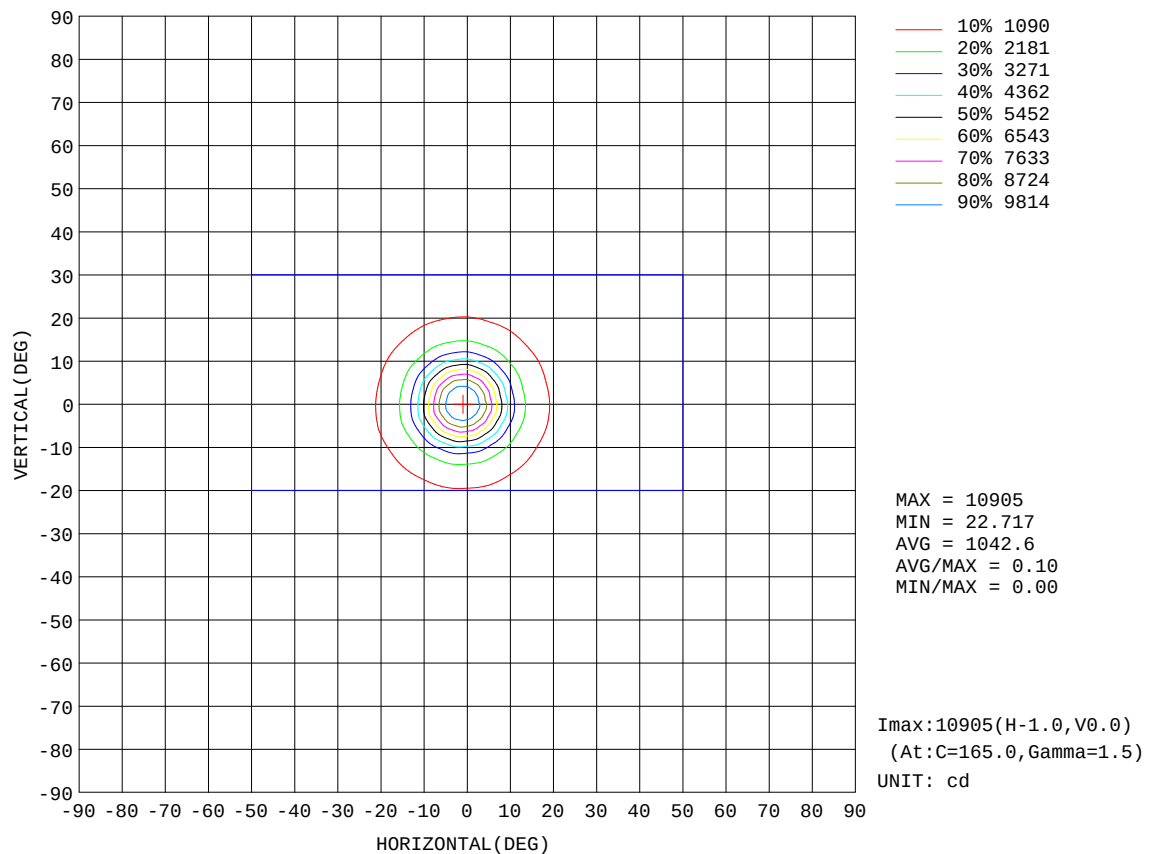
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	94	89	85	94	88	85	92	88	84	81
1.00	99	93	89	98	93	89	96	92	88	84
1.25	102	97	94	101	97	93	99	95	92	88
1.50	105	100	97	104	100	96	101	98	95	90
2.00	108	104	100	106	102	99	103	100	98	92
2.50	109	106	103	108	104	102	104	101	99	93
3.00	111	108	105	109	106	104	105	103	101	94
4.00	113	110	108	111	108	107	107	105	103	96
5.00	114	112	110	112	110	108	108	106	105	97
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:28DEG
Operators:LGL
Test Date:2021-08-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: VM070-VF72RF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

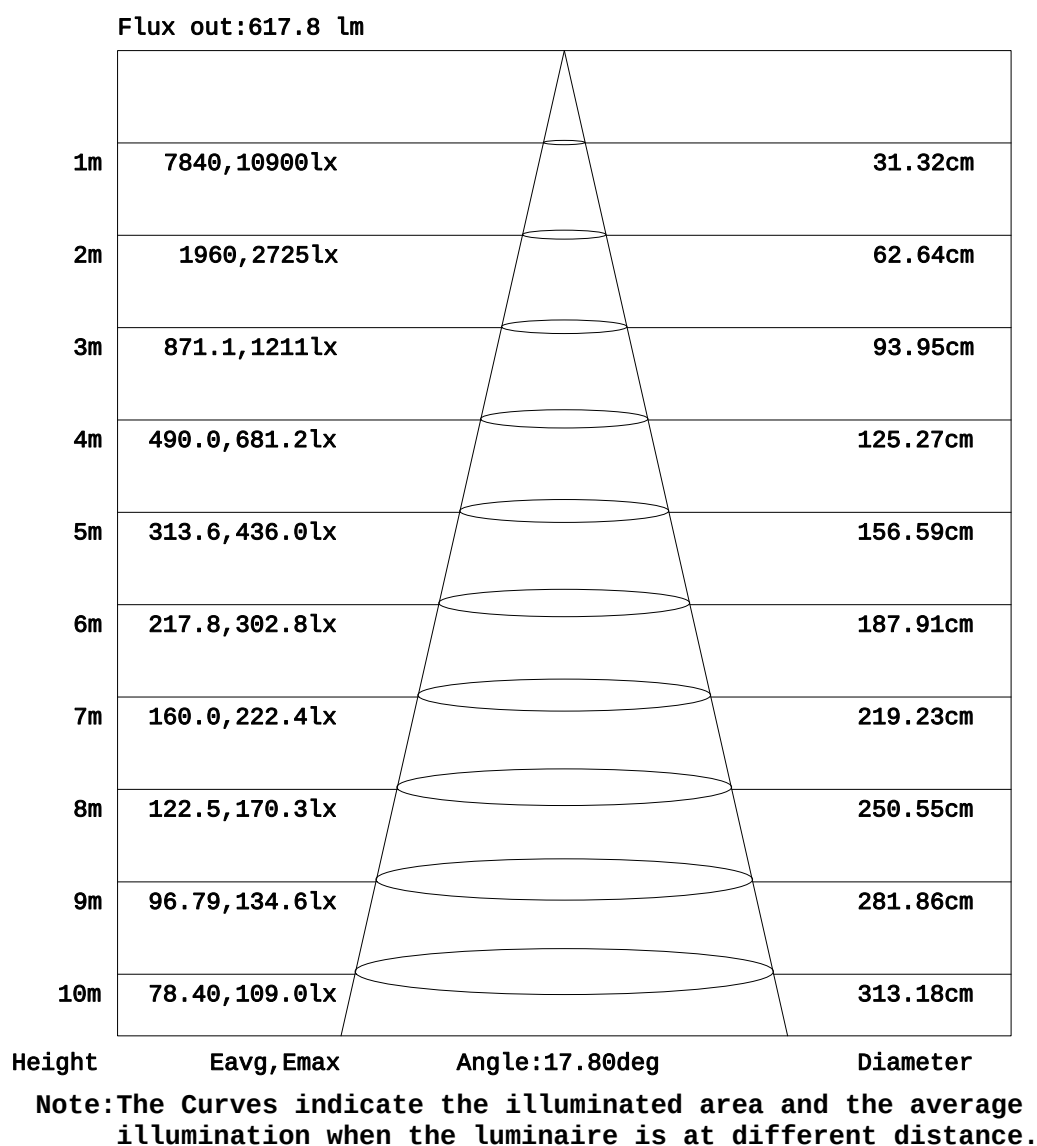


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

AAI Figure

NAME: VM070-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

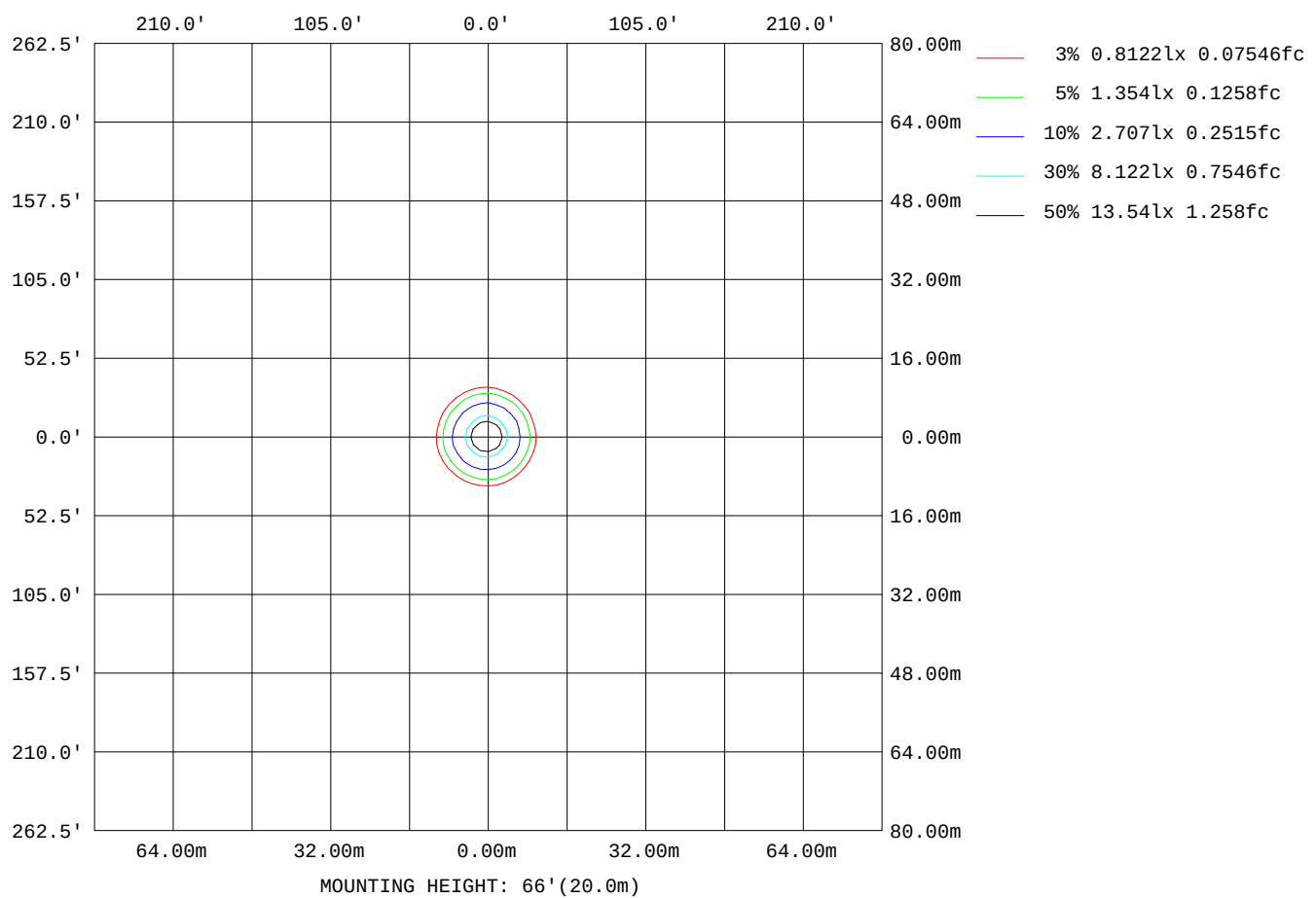


C Range: 0 - 360DEG
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 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity:65.0%
 Test Distance:5.190m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME: VM070-VF72RF01-20W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
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γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity: 65.0%
Test Distance: 5.190m [K=1.0000]
Remarks:

LED Avg.L Report

NAME: VM070-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

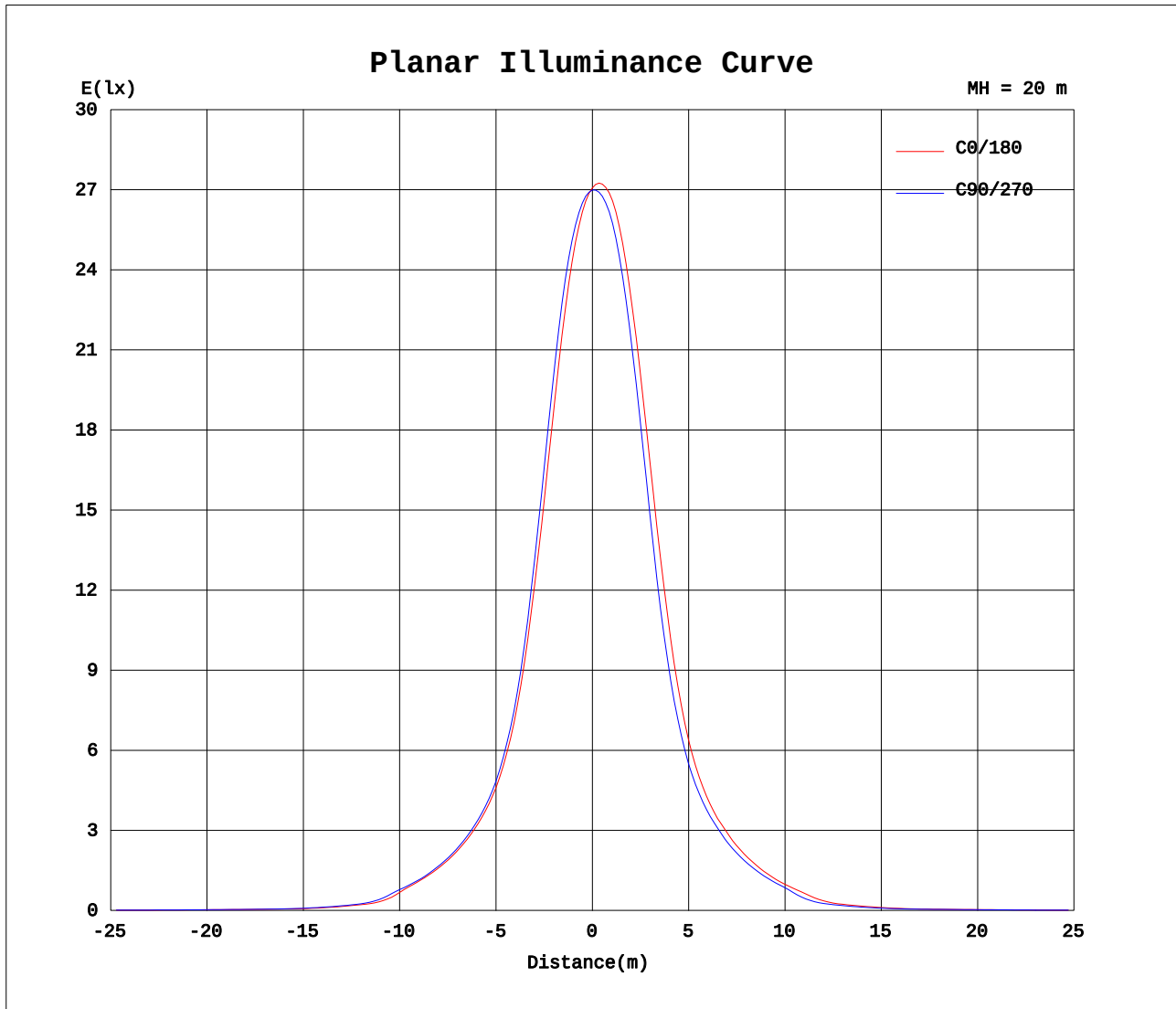
AvgL	cd/m2
L_0~180(65)av	7076
L_0~180(75)av	5755
L_0~180(85)av	2677
L_90~270(65)av	6965
L_90~270(75)av	5641
L_90~270(85)av	2708
L_45(65)av	6986
L_45(75)av	5664
L_45(85)av	2652

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-13

γ Range: 0 - 180DEG
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 Test Distance:5.190m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-13

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.401
 Humidity: 65.0%
 Test Distance: 5.190m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM070-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: ×10cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080
5	824	832	819	838	839	869	879	915	927	961	969	993	978	971	979	963	961	934	925
10	388	392	377	388	385	408	416	454	471	517	533	573	554	547	557	530	523	488	476
15	177	178	173	177	176	184	187	198	205	222	230	246	240	236	241	230	228	214	210
20	98.2	97.7	95.0	97.1	96.9	102	103	108	110	118	121	128	126	123	125	120	120	114	112
25	51.9	52.0	50.1	51.2	51.7	54.4	55.1	57.3	58.9	63.1	64.6	69.2	67.7	65.5	66.3	63.5	63.5	61.1	59.9
30	16.1	16.3	16.1	16.7	16.7	18.7	19.4	21.5	23.2	25.9	27.2	30.7	29.1	27.3	27.5	24.7	23.8	21.8	20.4
35	7.76	7.73	7.68	7.99	8.21	8.85	9.18	9.92	10.4	11.2	11.6	12.5	12.1	11.7	11.7	11.0	10.7	9.95	9.53
40	4.66	4.57	4.52	4.60	4.72	4.92	4.94	4.98	4.98	5.17	5.55	5.69	5.57	5.36	5.33	5.23	5.29	5.21	5.06
45	3.56	3.57	3.56	3.62	3.64	3.79	3.79	3.88	3.91	4.01	4.07	4.24	4.17	4.09	4.10	4.02	4.02	3.97	3.85
50	2.75	2.77	2.77	2.81	2.82	2.88	2.93	3.02	3.06	3.13	3.14	3.20	3.20	3.18	3.19	3.12	3.08	2.98	2.94
55	2.39	2.40	2.40	2.42	2.43	2.46	2.48	2.52	2.54	2.58	2.58	2.60	2.63	2.60	2.60	2.56	2.54	2.49	2.46
60	2.02	2.03	2.03	2.07	2.09	2.13	2.16	2.21	2.23	2.27	2.28	2.31	2.32	2.29	2.29	2.25	2.23	2.17	2.14
65	1.57	1.59	1.59	1.62	1.64	1.69	1.72	1.78	1.80	1.85	1.86	1.89	1.90	1.87	1.87	1.81	1.79	1.73	1.70
70	1.14	1.15	1.15	1.19	1.20	1.25	1.28	1.33	1.36	1.40	1.41	1.45	1.44	1.41	1.41	1.36	1.34	1.29	1.26
75	0.73	0.75	0.74	0.77	0.79	0.83	0.86	0.90	0.93	0.97	0.98	1.01	1.00	0.97	0.97	0.93	0.91	0.86	0.84
80	0.36	0.37	0.37	0.40	0.41	0.44	0.46	0.51	0.51	0.53	0.57	0.60	0.58	0.56	0.56	0.53	0.51	0.47	0.45
85	0.08	0.09	0.09	0.10	0.11	0.13	0.14	0.16	0.17	0.18	0.21	0.23	0.19	0.12	0.20	0.18	0.17	0.14	0.13
90	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04
95	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
105	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07
110	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.07	0.08	0.08	0.08	0.08
115	0.11	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.10	0.10	0.09	0.10	0.10	0.10	0.10
120	0.18	0.18	0.18	0.17	0.17	0.16	0.16	0.15	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.15
125	0.30	0.29	0.30	0.29	0.28	0.27	0.27	0.25	0.25	0.24	0.24	0.23	0.24	0.24	0.23	0.24	0.24	0.25	0.25
130	0.52	0.52	0.52	0.51	0.50	0.48	0.47	0.44	0.44	0.42	0.41	0.39	0.41	0.41	0.41	0.42	0.42	0.43	0.44
135	0.92	0.91	0.93	0.90	0.90	0.86	0.85	0.80	0.79	0.75	0.74	0.71	0.75	0.76	0.74	0.76	0.76	0.80	0.81
140	1.46	1.45	1.47	1.44	1.44	1.40	1.38	1.33	1.31	1.26	1.24	1.21	1.26	1.26	1.25	1.27	1.28	1.32	1.34
145	1.98	1.97	1.98	1.97	1.96	1.93	1.92	1.88	1.85	1.81	1.80	1.76	1.81	1.81	1.80	1.82	1.83	1.86	1.88
150	2.33	2.32	2.33	2.32	2.32	2.30	2.30	2.27	2.26	2.23	2.22	2.20	2.23	2.22	2.22	2.23	2.24	2.26	2.28
155	2.51	2.50	2.51	2.50	2.51	2.51	2.51	2.50	2.49	2.48	2.47	2.46	2.47	2.47	2.47	2.48	2.49	2.51	2.51
160	2.54	2.52	2.52	2.52	2.55	2.57	2.59	2.59	2.58	2.57	2.57	2.58	2.59	2.59	2.59	2.59	2.61	2.62	2.63
165	2.34	2.31	2.28	2.32	2.37	2.43	2.45	2.47	2.46	2.47	2.47	2.51	2.53	2.52	2.51	2.51	2.53	2.54	2.56
170	1.96	1.93	1.91	1.92	1.97	2.04	2.08	2.11	2.10	2.13	2.18	2.23	2.24	2.23	2.23	2.19	2.18	2.17	2.16
175	1.63	1.62	1.61	1.63	1.64	1.64	1.66	1.70	1.75	1.80	1.83	1.84	1.84	1.84	1.85	1.83	1.81	1.76	1.74
180	1.61	1.60	1.61	1.62	1.60	1.58	1.59	1.59	1.60	1.63	1.61	1.60	1.61	1.60	1.61	1.62	1.60	1.58	1.60

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: VM070-VF72RF01-20W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: ×10cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	1080	1080	1080	1080	1080														
5	893	882	848	840	814														
10	443	434	406	402	380														
15	197	194	184	182	175														
20	106	105	99.7	99.8	96.6														
25	56.0	55.5	52.2	52.8	50.7														
30	18.5	18.2	16.8	16.4	15.7														
35	8.68	8.40	7.79	7.75	7.50														
40	4.79	4.69	4.59	4.63	4.64														
45	3.73	3.67	3.59	3.55	3.50														
50	2.87	2.83	2.77	2.74	2.69														
55	2.43	2.40	2.37	2.36	2.34														
60	2.09	2.06	2.01	2.00	1.97														
65	1.64	1.62	1.57	1.56	1.53														
70	1.20	1.18	1.14	1.13	1.10														
75	0.79	0.77	0.73	0.72	0.70														
80	0.41	0.39	0.36	0.35	0.33														
85	0.11	0.10	0.09	0.08	0.06														
90	0.04	0.04	0.04	0.05	0.04														
95	0.05	0.05	0.05	0.05	0.05														
100	0.06	0.06	0.06	0.06	0.06														
105	0.07	0.07	0.07	0.07	0.07														
110	0.08	0.08	0.08	0.08	0.09														
115	0.11	0.11	0.11	0.11	0.12														
120	0.16	0.16	0.17	0.18	0.18														
125	0.27	0.27	0.29	0.30	0.31														
130	0.47	0.49	0.52	0.53	0.55														
135	0.86	0.88	0.92	0.94	0.98														
140	1.40	1.42	1.47	1.49	1.53														
145	1.93	1.95	1.99	2.00	2.03														
150	2.30	2.31	2.33	2.34	2.36														
155	2.53	2.53	2.53	2.52	2.53														
160	2.62	2.60	2.57	2.55	2.56														
165	2.51	2.46	2.39	2.35	2.35														
170	2.13	2.07	2.00	1.98	1.97														
175	1.71	1.72	1.69	1.65	1.63														
180	1.59	1.60	1.63	1.61	1.60														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-13

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.401
Humidity:65.0%
Test Distance:5.190m [K=1.0000]
Remarks: