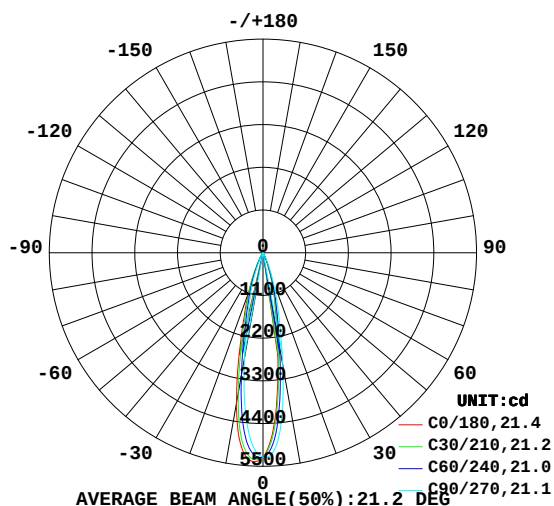


LUMINAIRE PHOTOMETRIC TEST REPORT

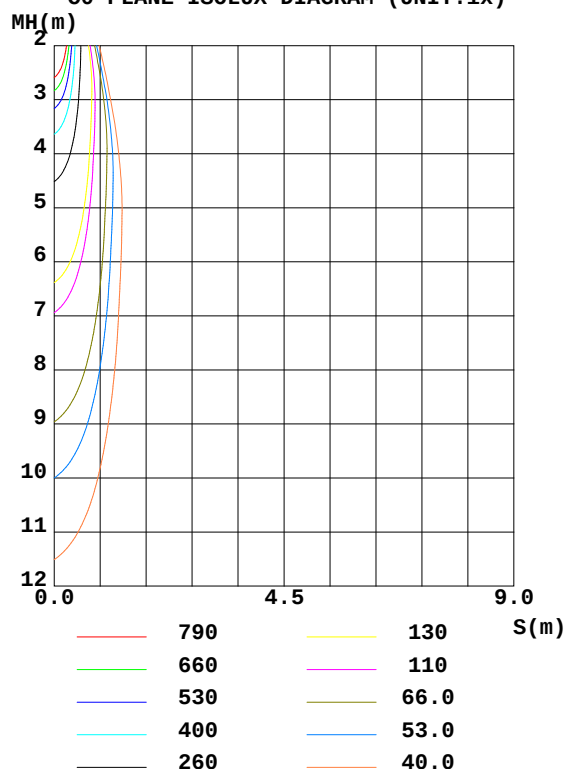
NAME: VM060-VF62RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 75.33 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	5424	S/MH(C0/180)	0.45
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.35
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1014.5	η UP, DN(C0-180)	1.2, 48.7
NOMINAL FLUX(lm)	1014.49	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.8
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230	η down(%)	97.5	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: 2021-08-12

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:

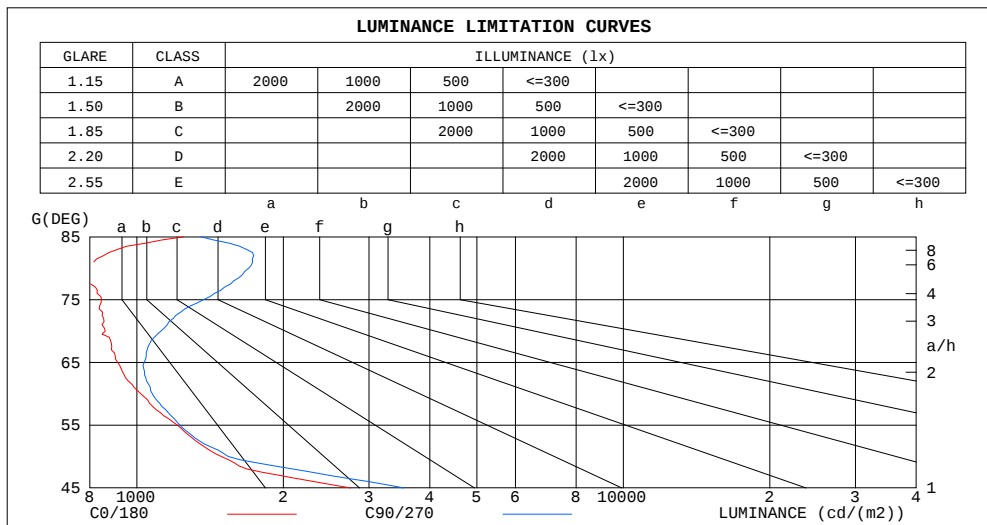
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2103	2346	2941	3812	3945	3399	2746	2209	0- 10	385.1	385.1	38,38
20	449.1	512.6	689.4	1038	1091	927.5	723.6	520.9	10- 20	430.4	815.5	80.4,80.4
30	44.97	51.33	77.18	139.7	162.6	130.4	89.62	57.26	20- 30	144.6	960.0	94.6,94.6
40	8.756	8.587	10.53	14.29	15.71	14.52	12.34	9.889	30- 40	21.12	981.2	96.7,96.7
50	1.911	1.824	1.989	2.988	3.704	3.604	2.802	2.118	40- 50	4.834	986.0	97.2,97.2
60	1.017	0.9949	1.081	1.194	1.318	1.345	1.236	1.084	50- 60	1.482	987.5	97.3,97.3
70	0.5881	0.6678	0.7710	0.7340	0.6949	0.7188	0.6668	0.6011	60- 70	0.8760	988.4	97.4,97.4
80	0.2746	0.4544	0.5924	0.5205	0.3243	0.3979	0.3731	0.3229	70- 80	0.5716	988.9	97.5,97.5
90	0.2123	0.2215	0.2099	0.2225	0.1845	0.2044	0.2121	0.2024	80- 90	0.2953	989.2	97.5,97.5
100	0.2391	0.2594	0.2318	0.2581	0.2679	0.2241	0.2520	0.2406	90-100	0.2452	989.5	97.5,97.5
110	0.3114	0.3142	0.2672	0.3071	0.3313	0.2504	0.2828	0.2759	100-110	0.2839	989.7	97.6,97.6
120	0.9485	0.7963	0.6351	0.4988	0.5644	0.4762	0.6216	0.8466	110-120	0.4311	990.2	97.6,97.6
130	3.615	3.336	2.550	2.106	1.895	2.107	2.700	3.589	120-130	1.322	991.5	97.7,97.7
140	9.935	8.876	7.748	6.594	6.803	7.025	8.153	9.461	130-140	3.961	995.5	98.1,98.1
150	14.45	14.11	13.53	12.70	12.59	12.98	13.76	14.45	140-150	6.899	1002	98.8,98.8
160	15.83	15.24	15.55	15.90	16.61	15.76	15.99	15.40	150-160	6.908	1009	99.5,99.5
170	10.95	11.24	12.58	13.31	13.73	13.29	12.66	11.31	160-170	4.153	1013	99.9,99.9
180	9.970	10.09	10.03	10.22	9.997	10.09	10.04	10.22	170-180	1.069	1014	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: VM060-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1248	1355
80	792	1697
75	846	1372
70	861	1122
65	913	1035
60	1018	1075
55	1210	1225
50	1489	1540
45	2748	3537

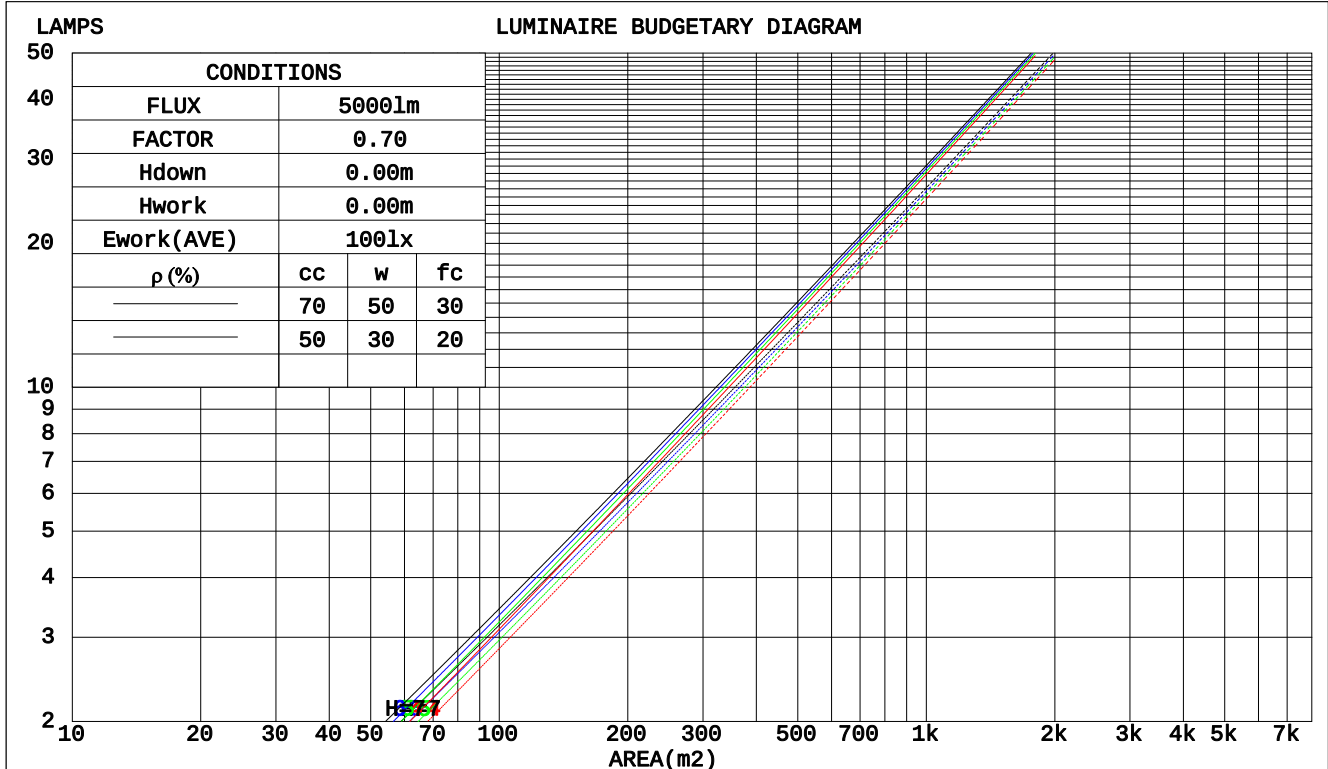
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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: VM060-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
	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	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	1.09	1.10	1.08	1.07	1.06	1.04	1.03	1.01	1.00	.00	.98	.97	.96	.94
2.0	1.07	1.04	1.02	1.05	1.03	1.00	1.02	.00	.98	.99	.97	.95	.96	.94	.93	.92
3.0	1.03	.99	.96	1.01	.98	.95	.98	.96	.94	.96	.94	.92	.93	.92	.90	.89
4.0	.99	.95	.92	.98	.94	.91	.95	.92	.90	.93	.91	.89	.91	.89	.88	.86
5.0	.95	.91	.88	.94	.91	.88	.92	.89	.87	.91	.88	.86	.89	.87	.85	.84
6.0	.92	.88	.85	.91	.88	.85	.90	.87	.84	.88	.86	.83	.87	.85	.83	.82
7.0	.89	.85	.82	.89	.85	.82	.87	.84	.82	.86	.83	.81	.85	.82	.80	.79
8.0	.87	.83	.80	.86	.82	.80	.85	.82	.79	.84	.81	.79	.83	.80	.78	.77
9.0	.84	.80	.78	.84	.80	.78	.83	.80	.77	.82	.79	.77	.81	.78	.76	.76
10.0	.82	.78	.76	.82	.78	.76	.81	.78	.75	.80	.77	.75	.79	.77	.75	.74



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: VM060-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
	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	.136	.077	.025	.129	.073	.023	.115	.066	.021	.102	.059	.019	.091	.053	.017		
2.0	.125	.069	.021	.119	.066	.020	.108	.060	.019	.097	.055	.017	.087	.049	.016		
3.0	.117	.062	.019	.111	.060	.018	.102	.055	.017	.093	.051	.016	.084	.047	.014		
4.0	.109	.057	.017	.105	.055	.016	.096	.051	.015	.089	.048	.014	.081	.044	.013		
5.0	.102	.052	.015	.099	.051	.015	.091	.048	.014	.085	.045	.013	.079	.042	.013		
6.0	.097	.048	.014	.093	.047	.014	.087	.045	.013	.081	.042	.012	.076	.040	.012		
7.0	.092	.045	.013	.089	.044	.013	.083	.042	.012	.078	.040	.012	.073	.038	.011		
8.0	.087	.043	.012	.085	.042	.012	.080	.040	.011	.075	.038	.011	.071	.036	.011		
9.0	.083	.040	.011	.081	.039	.011	.077	.038	.011	.073	.036	.010	.069	.035	.010		
10.0	.080	.038	.011	.078	.038	.010	.074	.036	.010	.070	.035	.010	.067	.034	.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	.187	.177	.167	.160	.152	.144	.110	.104	.100	.063	.060	.058	.020	.019	.019	
2.0	.169	.152	.137	.145	.131	.119	.099	.091	.083	.057	.053	.049	.018	.017	.016	
3.0	.154	.133	.115	.132	.114	.100	.091	.079	.070	.052	.046	.041	.017	.015	.014	
4.0	.142	.117	.099	.122	.101	.086	.084	.071	.060	.048	.041	.036	.016	.013	.012	
5.0	.131	.105	.086	.113	.091	.075	.078	.063	.053	.045	.037	.031	.014	.012	.010	
6.0	.122	.095	.076	.105	.082	.066	.072	.058	.047	.042	.034	.028	.014	.011	.009	
7.0	.115	.087	.067	.099	.075	.059	.068	.053	.042	.040	.031	.025	.013	.010	.008	
8.0	.108	.080	.061	.093	.069	.053	.064	.049	.038	.037	.029	.022	.012	.009	.007	
9.0	.102	.074	.056	.088	.065	.049	.061	.045	.034	.036	.027	.021	.012	.009	.007	
10.0	.097	.070	.051	.084	.061	.045	.058	.043	.032	.034	.025	.019	.011	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: vM060-vF62RA01-15W						TYPE:indoor lights			WEIGHT:1		
SPEC.:3000K-CRI90-15D						DIM.:			SERIAL No.:		
						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	2H	1.6	2.2	1.8	2.4	2.6	3.6	4.2	3.9	4.4	4.6
	3H	1.8	2.4	2.1	2.6	2.8	3.7	4.3	4.0	4.5	4.8
	4H	1.9	2.5	2.2	2.7	3.0	3.9	4.5	4.2	4.7	5.0
	6H	2.0	2.5	2.3	2.8	3.1	4.2	4.7	4.5	5.0	5.3
	8H	2.0	2.5	2.4	2.8	3.1	4.3	4.8	4.7	5.1	5.4
	12H	2.1	2.6	2.5	2.9	3.2	4.4	4.9	4.7	5.2	5.5
4H	2H	1.6	2.1	1.9	2.4	2.6	3.5	4.0	3.8	4.3	4.5
	3H	1.9	2.4	2.2	2.7	3.0	3.7	4.2	4.0	4.5	4.8
	4H	2.1	2.5	2.5	2.9	3.2	4.0	4.4	4.4	4.8	5.1
	6H	2.3	2.7	2.7	3.1	3.4	4.4	4.8	4.8	5.2	5.6
	8H	2.4	2.7	2.8	3.1	3.5	4.7	5.0	5.1	5.4	5.8
	12H	2.5	2.8	2.9	3.2	3.7	4.8	5.1	5.2	5.5	5.9
8H	4H	2.2	2.6	2.7	3.0	3.4	4.0	4.4	4.4	4.8	5.2
	6H	2.6	2.9	3.1	3.3	3.8	4.6	4.9	5.1	5.3	5.8
	8H	2.7	3.0	3.2	3.5	4.0	4.9	5.2	5.4	5.6	6.1
	12H	2.9	3.2	3.5	3.7	4.2	5.0	5.3	5.6	5.8	6.3
12H	4H	2.3	2.6	2.7	3.0	3.4	4.0	4.3	4.4	4.7	5.2
	6H	2.7	2.9	3.1	3.4	3.9	4.6	4.9	5.1	5.3	5.8
	8H	2.9	3.1	3.4	3.6	4.1	4.9	5.1	5.4	5.6	6.1
Variations with the observer position at spacings:											
S = 1.0H		+ 1.7 / - 1.9					+ 1.8 / - 1.6				
1.5H		+ 3.4 / - 1.7					+ 3.4 / - 1.5				
2.0H		+ 2.1 / - 0.6					+ 2.2 / - 0.5				

CIE Pub.117, 1014 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.0$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: VM060-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

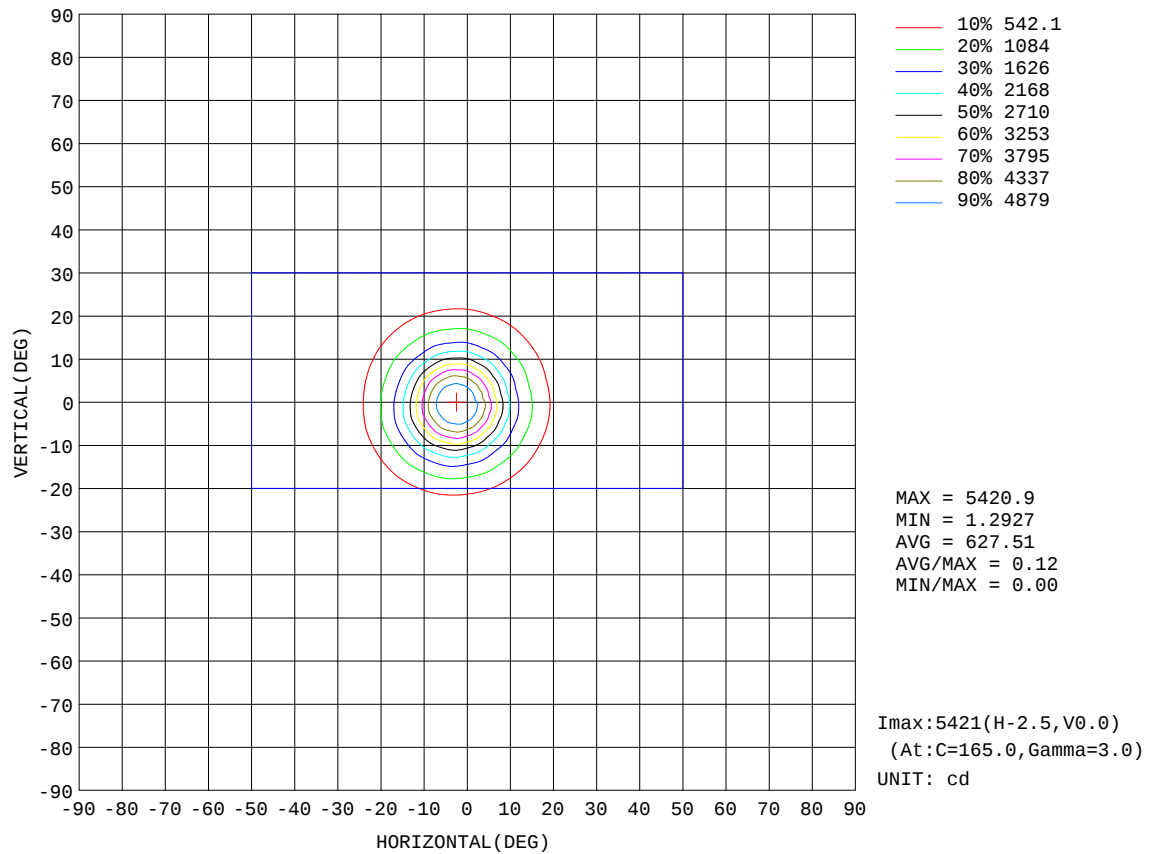
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	90	84	80	89	84	80	88	83	80	77
0.80	97	91	88	96	91	88	94	90	87	84
1.00	100	95	92	99	95	92	98	94	91	87
1.25	104	99	96	103	99	96	101	97	94	90
1.50	106	102	99	105	101	98	103	99	97	92
2.00	109	105	102	107	104	101	104	101	99	94
2.50	110	107	104	109	105	103	105	103	101	94
3.00	112	109	106	110	107	105	106	104	102	95
4.00	114	111	109	111	109	107	107	106	104	97
5.00	115	113	111	113	111	109	108	107	106	98
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:2021-08-12

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: VM060-VF62RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

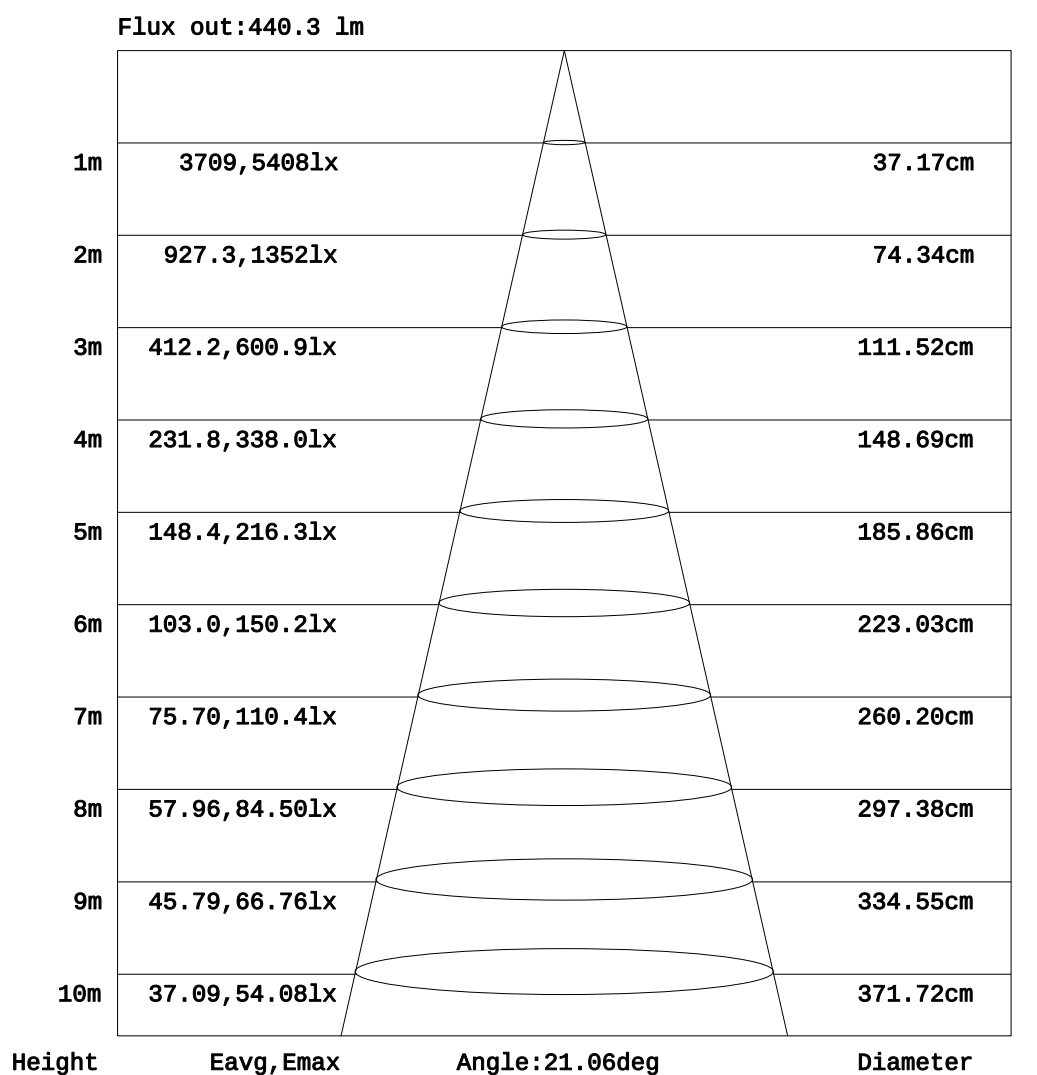


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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: VM060-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



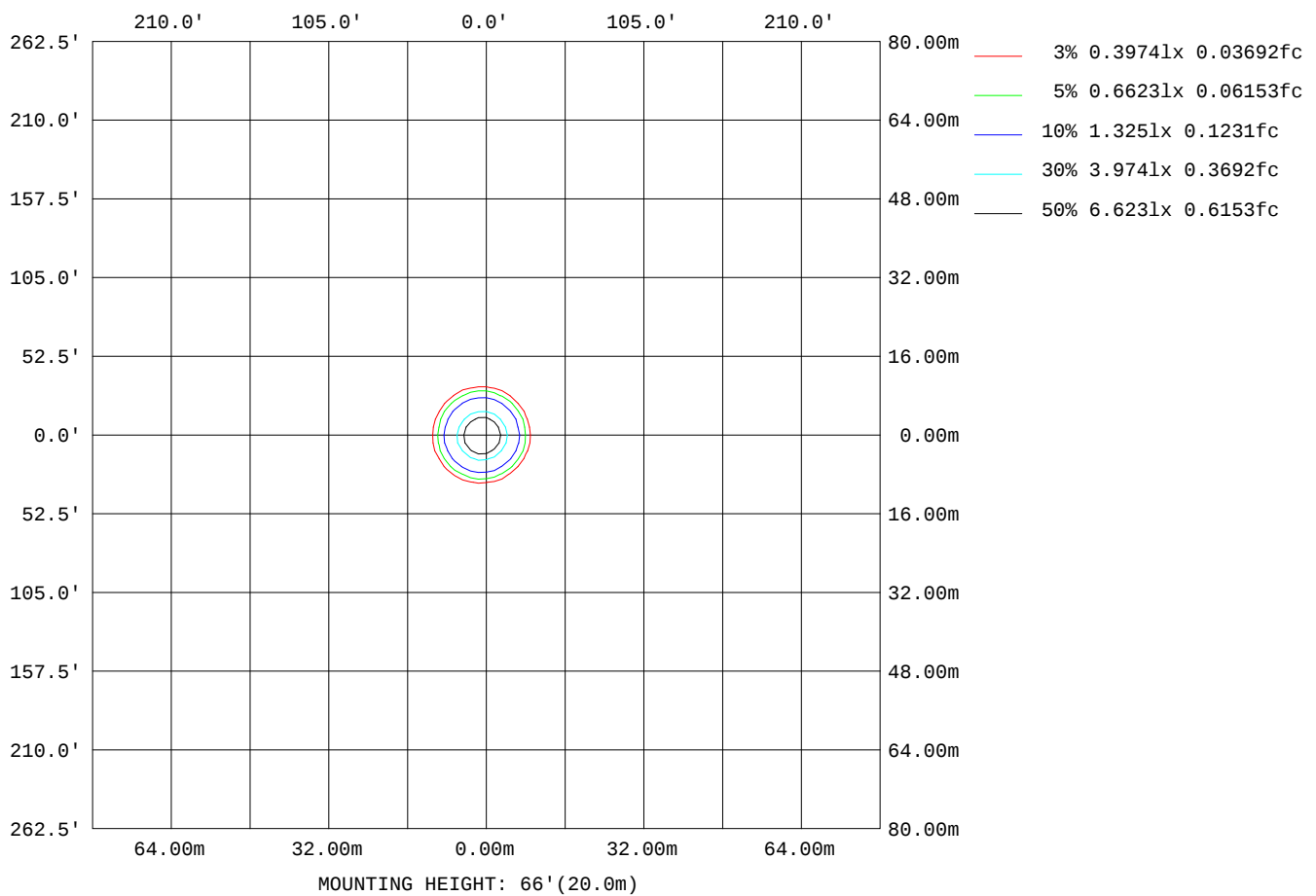
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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: VM060-VF62RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-12

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: VM060-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

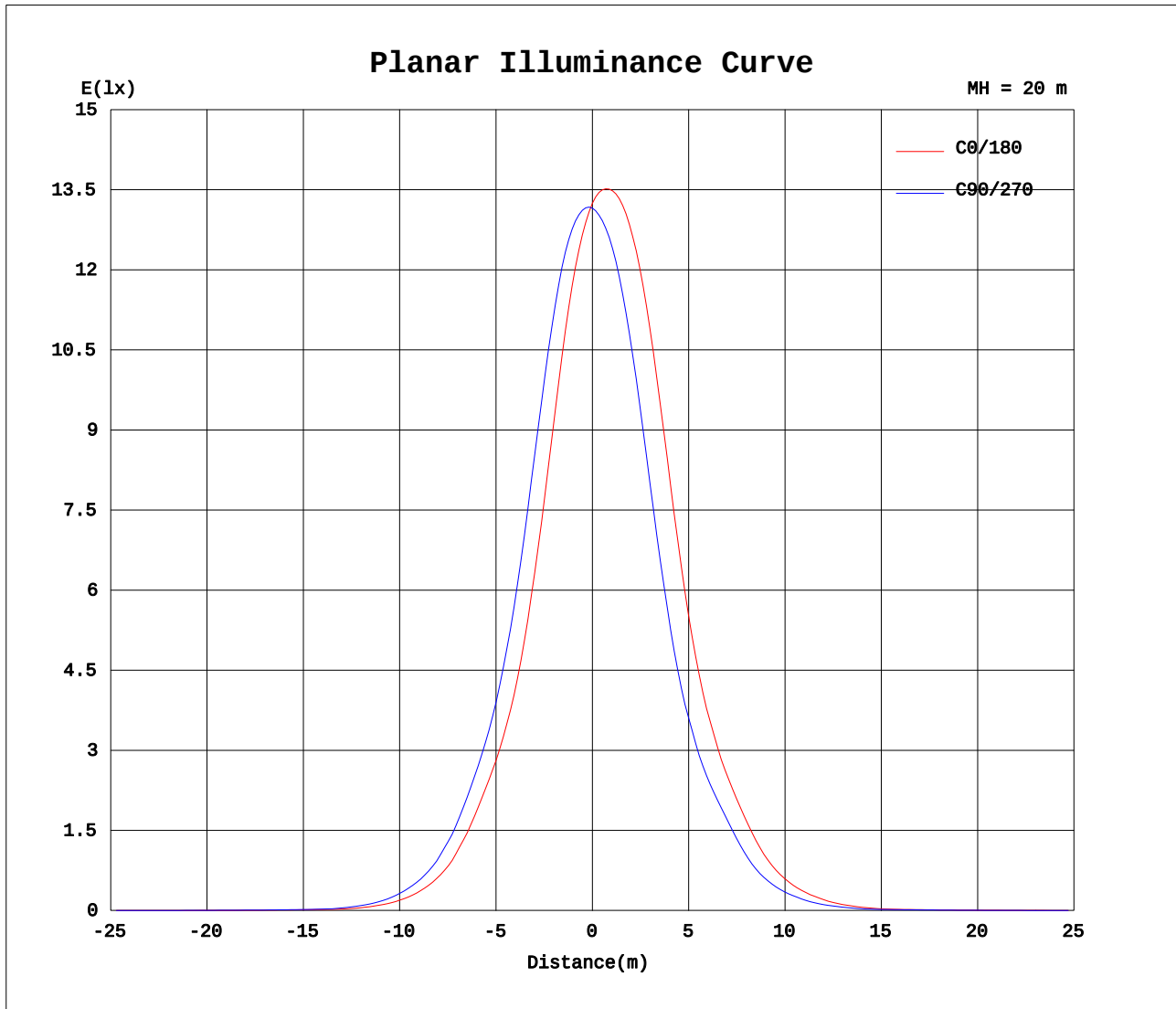
AvgL	cd/m2
L_0~180(65)av	1009
L_0~180(75)av	890
L_0~180(85)av	1183
L_90~270(65)av	1049
L_90~270(75)av	1161
L_90~270(85)av	1370
L_45(65)av	1022
L_45(75)av	1052
L_45(85)av	1484

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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: VM060-VF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
	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	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263	5263
5	3971	4063	4099	4276	4381	4602	4739	4952	5058	5202	5237	5313	5245	5172	5127	4983	4870	4667	4527
10	2103	2169	2186	2346	2458	2735	2941	3296	3503	3812	3912	4083	3945	3794	3686	3399	3215	2920	2746
15	1084	1115	1125	1204	1260	1405	1504	1709	1850	2057	2122	2227	2103	1965	1889	1711	1628	1459	1394
20	449	463	475	513	554	624	689	819	907	1038	1078	1142	1091	1036	1013	928	878	780	724
25	155	163	161	180	193	230	253	306	348	410	433	470	451	432	423	381	349	296	267
30	45.0	45.8	45.5	51.3	57.1	67.0	77.2	96.5	111	140	148	168	163	152	152	130	122	101	89.6
35	15.2	14.7	14.5	15.8	16.5	18.3	20.1	23.8	27.9	35.9	40.3	46.1	45.5	43.7	43.7	38.8	35.9	29.4	25.3
40	8.76	8.27	8.03	8.59	8.88	9.73	10.5	11.5	12.2	14.3	15.1	15.7	15.7	14.7	14.7	14.5	14.0	13.1	12.3
45	3.88	3.79	3.65	3.89	4.05	4.59	5.03	5.71	6.23	7.38	8.01	8.77	8.81	8.26	8.39	8.18	7.93	7.19	6.69
50	1.91	1.87	1.80	1.82	1.84	1.91	1.99	2.23	2.47	2.99	3.29	3.73	3.70	3.63	3.75	3.60	3.46	3.09	2.80
55	1.39	1.34	1.32	1.32	1.33	1.36	1.41	1.47	1.53	1.63	1.71	1.81	1.84	1.86	1.90	1.88	1.87	1.79	1.72
60	1.02	0.99	1.00	0.99	1.03	1.04	1.08	1.11	1.15	1.19	1.25	1.30	1.32	1.33	1.35	1.35	1.33	1.28	1.24
65	0.77	0.77	0.79	0.80	0.84	0.84	0.88	0.87	0.90	0.91	0.94	0.95	0.94	0.96	0.96	0.97	0.96	0.94	0.90
70	0.59	0.62	0.65	0.67	0.73	0.73	0.77	0.75	0.76	0.73	0.74	0.73	0.69	0.70	0.70	0.72	0.71	0.70	0.67
75	0.44	0.45	0.55	0.58	0.66	0.68	0.71	0.68	0.67	0.62	0.59	0.55	0.49	0.51	0.52	0.53	0.52	0.53	0.49
80	0.27	0.29	0.42	0.45	0.52	0.55	0.59	0.60	0.59	0.52	0.44	0.38	0.32	0.36	0.38	0.40	0.38	0.40	0.37
85	0.22	0.21	0.22	0.21	0.22	0.21	0.24	0.30	0.33	0.34	0.30	0.24	0.20	0.25	0.27	0.28	0.27	0.27	0.24
90	0.21	0.22	0.21	0.22	0.22	0.21	0.21	0.21	0.21	0.22	0.22	0.21	0.18	0.20	0.20	0.20	0.20	0.21	0.21
95	0.22	0.23	0.23	0.24	0.22	0.23	0.21	0.23	0.22	0.24	0.22	0.22	0.23	0.20	0.22	0.21	0.22	0.21	0.24
100	0.24	0.25	0.26	0.26	0.24	0.24	0.24	0.23	0.24	0.23	0.26	0.26	0.25	0.27	0.23	0.25	0.22	0.24	0.25
105	0.27	0.33	0.30	0.28	0.24	0.25	0.24	0.25	0.24	0.28	0.31	0.31	0.30	0.26	0.26	0.24	0.26	0.24	0.27
110	0.31	0.43	0.38	0.31	0.28	0.28	0.27	0.28	0.26	0.31	0.34	0.36	0.33	0.28	0.28	0.25	0.27	0.26	0.28
115	0.49	0.66	0.60	0.42	0.40	0.38	0.35	0.35	0.31	0.35	0.43	0.44	0.39	0.32	0.32	0.29	0.33	0.33	0.36
120	0.95	1.23	1.11	0.80	0.76	0.69	0.64	0.58	0.55	0.50	0.62	0.64	0.56	0.49	0.49	0.48	0.53	0.57	0.62
125	1.91	2.21	1.78	1.62	1.59	1.38	1.29	1.17	1.10	0.99	0.95	0.98	0.95	0.94	0.94	1.01	1.07	1.21	1.30
130	3.61	3.47	3.43	3.34	3.03	2.74	2.55	2.33	2.23	2.11	1.92	1.79	1.89	1.93	1.97	2.11	2.24	2.49	2.70
135	6.41	6.24	6.47	6.04	5.50	5.03	4.75	4.37	4.26	4.05	3.92	3.57	3.75	3.83	3.90	4.16	4.36	4.77	5.06
140	9.94	10.3	10.1	8.88	8.59	8.17	7.75	7.30	7.01	6.59	6.89	6.75	6.80	6.70	6.73	7.02	7.32	7.80	8.15
145	13.0	13.4	12.4	11.9	11.7	11.3	11.0	10.5	10.2	9.80	9.65	10.3	10.2	9.85	9.91	10.2	10.5	11.0	11.3
150	14.4	14.3	14.3	14.1	14.0	13.8	13.5	13.2	13.0	12.7	12.5	12.4	12.6	12.7	12.8	13.0	13.2	13.5	13.8
155	15.3	16.1	15.3	15.2	15.2	15.2	15.1	15.0	15.4	14.7	14.6	15.2	14.6	14.6	14.7	14.8	15.0	15.1	15.3
160	15.8	16.4	14.9	15.2	15.4	15.5	15.6	15.6	16.0	15.9	15.5	17.2	16.6	15.5	15.6	15.8	15.8	15.9	16.0
165	13.4	14.0	13.2	13.7	14.2	14.7	14.9	15.1	15.1	15.1	15.1	16.5	15.9	15.3	15.6	15.4	15.1	15.4	15.2
170	10.9	10.9	11.0	11.2	11.7	12.2	12.6	12.9	13.0	13.3	13.5	13.8	13.7	13.6	13.6	13.3	13.2	12.9	12.7
175	9.49	9.51	9.61	9.87	10.1	10.2	10.5	10.8	11.1	11.5	11.6	11.7	11.6	11.5	11.6	11.4	11.2	10.9	10.6
180	9.97	9.95	9.99	10.1	10.0	9.95	10.0	10.00	10.0	10.2	10.1	10.03	10.00	9.93	10.0	10.1	10.0	9.95	10.0

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: VM060-vF62RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	5263	5263	5263	5263	5263														
5	4325	4210	4048	3998	3904														
10	2499	2378	2209	2155	2062														
15	1270	1219	1143	1115	1064														
20	636	585	521	483	441														
25	234	216	187	173	152														
30	74.5	66.1	57.3	50.6	43.5														
35	19.7	18.3	17.0	16.1	14.9														
40	10.8	10.5	9.89	9.42	8.72														
45	5.75	5.29	4.71	4.40	3.93														
50	2.41	2.25	2.12	2.04	1.92														
55	1.64	1.56	1.49	1.44	1.38														
60	1.19	1.13	1.08	1.03	1.00														
65	0.88	0.83	0.80	0.75	0.74														
70	0.66	0.62	0.60	0.56	0.54														
75	0.50	0.45	0.45	0.40	0.38														
80	0.38	0.35	0.32	0.27	0.25														
85	0.24	0.22	0.20	0.20	0.19														
90	0.21	0.21	0.20	0.22	0.20														
95	0.22	0.23	0.22	0.23	0.21														
100	0.24	0.25	0.24	0.25	0.24														
105	0.24	0.26	0.24	0.27	0.25														
110	0.27	0.29	0.28	0.31	0.31														
115	0.37	0.41	0.42	0.46	0.48														
120	0.71	0.77	0.85	0.89	0.97														
125	1.50	1.62	1.81	1.88	2.00														
130	3.03	3.26	3.59	3.72	3.88														
135	5.56	5.88	6.31	6.51	6.75														
140	8.70	9.01	9.46	9.66	10.09														
145	11.8	12.0	12.4	12.5	12.8														
150	14.1	14.2	14.5	14.5	14.7														
155	15.5	15.5	15.5	15.5	15.5														
160	16.1	15.6	15.4	15.2	15.1														
165	15.0	14.2	13.7	13.7	13.3														
170	12.2	11.8	11.3	11.1	11.0														
175	10.3	10.2	10.01	9.62	9.55														
180	9.99	10.0	10.2	10.1	10.02														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-12

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: