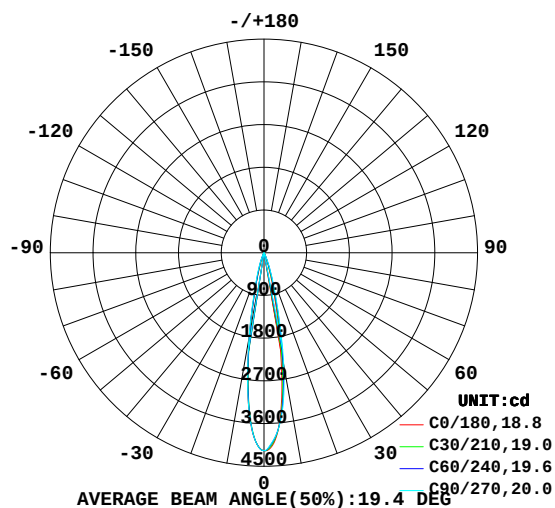


LUMINAIRE PHOTOMETRIC TEST REPORT

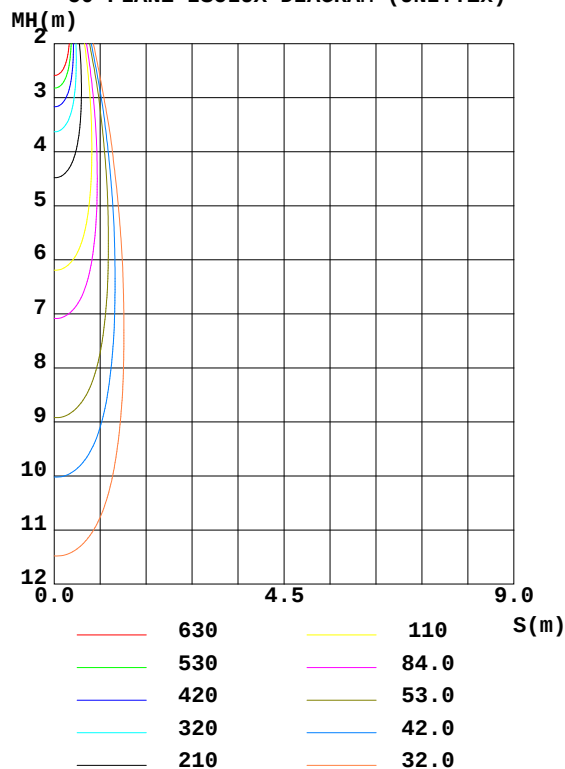
NAME: VM060-VF62RA05-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 44.42 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	4176	S/MH(C0/180)	0.31
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.32
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	598.72	η UP, DN(C0-180)	1.2, 53.7
NOMINAL FLUX(lm)	598.723	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.3, 43.9
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: 2021-08-09

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:

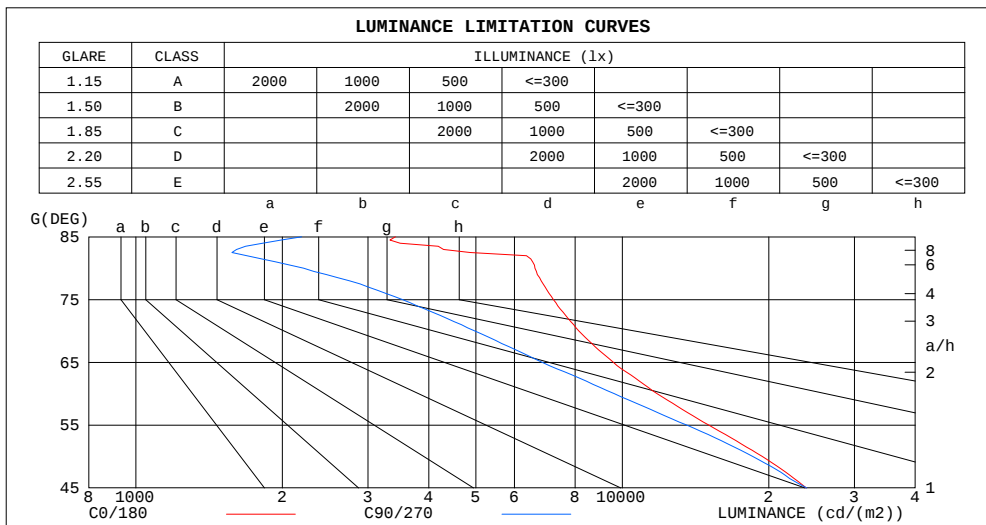
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1979	2288	2395	2334	1794	1649	1808	1567	0- 10	286.7	286.7	47.9, 47.9
20	194.8	292.8	346.7	268.8	141.5	225.1	270.3	220.9	10- 20	218.5	505.2	84.4, 84.4
30	37.10	41.15	44.62	40.78	31.34	32.84	38.01	34.36	20- 30	44.42	549.6	91.8, 91.8
40	16.31	17.18	18.48	17.62	14.87	15.70	17.60	16.24	30- 40	15.43	565.0	94.4, 94.4
50	9.170	8.833	8.870	8.670	7.752	8.309	9.172	8.747	40- 50	9.364	574.4	95.9, 95.9
60	4.339	3.809	3.585	3.515	3.580	4.149	4.928	4.510	50- 60	5.459	579.9	96.8, 96.8
70	2.048	1.515	1.267	1.348	1.601	1.870	2.168	2.095	60- 70	2.707	582.6	97.3, 97.3
80	0.8449	0.4329	0.2860	0.3662	0.5476	0.6764	0.7709	0.7854	70- 80	1.160	583.7	97.5, 97.5
90	0.1380	0.1409	0.1440	0.1401	0.1443	0.1321	0.1416	0.1311	80- 90	0.3039	584.0	97.5, 97.5
100	0.1617	0.1697	0.1659	0.1827	0.1990	0.1738	0.1947	0.1667	90-100	0.1692	584.2	97.6, 97.6
110	0.1983	0.2245	0.2145	0.2290	0.2405	0.2135	0.2407	0.2089	100-110	0.2123	584.4	97.6, 97.6
120	0.2775	0.3347	0.3515	0.3425	0.3413	0.3541	0.3963	0.3397	110-120	0.2603	584.7	97.7, 97.7
130	1.052	1.080	1.206	1.077	1.310	1.516	1.576	1.482	120-130	0.5929	585.3	97.8, 97.8
140	4.408	4.296	4.357	4.256	4.961	5.146	5.192	5.188	130-140	2.131	587.4	98.1, 98.1
150	8.265	8.089	8.089	8.117	8.590	8.576	8.534	8.571	140-150	4.169	591.6	98.8, 98.8
160	9.305	9.177	9.283	9.382	9.533	9.385	9.362	9.234	150-160	4.181	595.7	99.5, 99.5
170	6.889	6.701	7.052	7.194	7.175	6.850	6.662	6.346	160-170	2.424	598.2	99.9, 99.9
180	4.611	4.659	4.599	4.630	4.626	4.659	4.594	4.621	170-180	0.5507	598.7	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:2021-08-09

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-VF62RA05-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	3415	2192
80	6612	2212
75	7216	3530
70	8137	4975
65	9583	6841
60	11792	9629
55	15060	13560
50	19387	18534
45	23883	23931

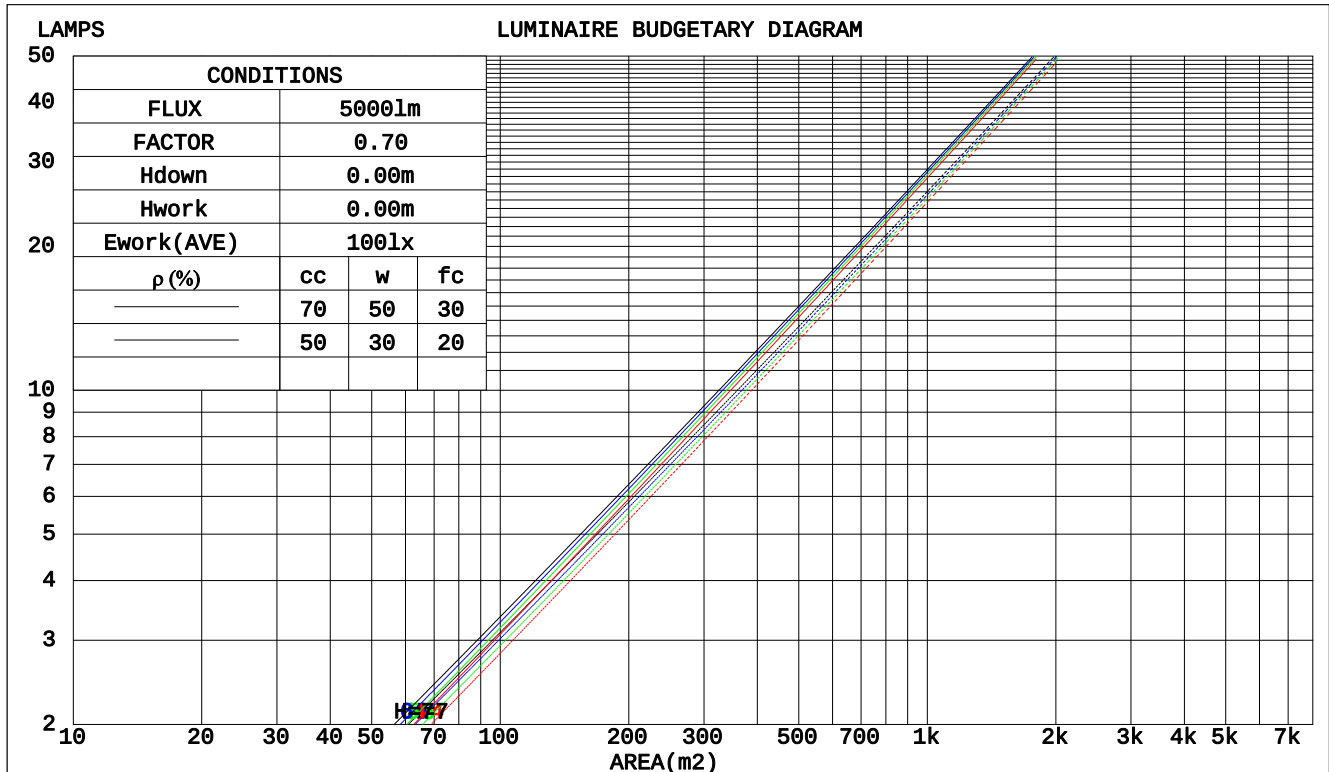
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-09

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-VF62RA05-15W	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	1.11	1.09	1.10	1.08	1.07	1.06	1.04	1.03	1.02	1.01	.00	.98	.97	.97	.95
2.0	1.07	1.05	1.02	1.06	1.03	1.01	1.02	1.00	.98	.99	.97	.96	.96	.95	.94	.92
3.0	1.03	.00	.97	1.02	.99	.96	.99	.96	.94	.96	.94	.93	.94	.92	.91	.90
4.0	.00	.96	.93	.98	.95	.92	.96	.93	.91	.94	.92	.90	.92	.90	.89	.87
5.0	.96	.92	.90	.95	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.85
6.0	.94	.90	.87	.93	.89	.86	.91	.88	.86	.90	.87	.85	.88	.86	.84	.83
7.0	.91	.87	.84	.90	.87	.84	.89	.86	.84	.88	.85	.83	.87	.84	.82	.82
8.0	.89	.85	.82	.88	.85	.82	.87	.84	.82	.86	.83	.81	.85	.83	.81	.80
9.0	.87	.83	.80	.86	.83	.80	.85	.82	.80	.84	.82	.80	.84	.81	.79	.78
10.0	.85	.81	.79	.84	.81	.79	.84	.80	.78	.83	.80	.78	.82	.80	.78	.77



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA05-15W	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	.133	.076	.024	.126	.072	.023	.112	.064	.021	.100	.057	.018	.088	.051	.016		
2.0	.123	.067	.021	.117	.064	.020	.105	.058	.018	.095	.053	.017	.085	.048	.015		
3.0	.113	.060	.018	.108	.058	.017	.099	.053	.016	.090	.049	.015	.081	.045	.014		
4.0	.105	.055	.016	.101	.053	.016	.093	.049	.015	.085	.046	.014	.078	.042	.013		
5.0	.098	.050	.015	.095	.049	.014	.088	.046	.013	.081	.043	.013	.075	.040	.012		
6.0	.092	.046	.013	.089	.045	.013	.083	.043	.012	.077	.040	.012	.072	.038	.011		
7.0	.087	.043	.012	.084	.042	.012	.079	.040	.011	.074	.038	.011	.069	.036	.011		
8.0	.082	.040	.011	.080	.039	.011	.075	.038	.011	.071	.036	.010	.067	.034	.010		
9.0	.078	.038	.011	.076	.037	.010	.072	.036	.010	.068	.034	.010	.064	.033	.009		
10.0	.075	.036	.010	.073	.035	.010	.069	.034	.009	.065	.032	.009	.062	.031	.009		

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	.109	.104	.100	.063	.060	.058	.020	.019	.019	
2.0	.169	.152	.137	.144	.131	.119	.099	.090	.083	.057	.053	.049	.018	.017	.016	
3.0	.153	.132	.116	.132	.114	.100	.090	.079	.070	.052	.046	.041	.017	.015	.014	
4.0	.141	.117	.099	.121	.101	.086	.083	.070	.061	.048	.041	.036	.015	.013	.012	
5.0	.130	.105	.086	.111	.090	.075	.077	.063	.053	.044	.037	.031	.014	.012	.010	
6.0	.120	.095	.076	.104	.082	.066	.071	.057	.047	.041	.034	.028	.013	.011	.009	
7.0	.113	.086	.068	.097	.075	.059	.067	.052	.042	.039	.031	.025	.013	.010	.008	
8.0	.106	.079	.061	.091	.069	.053	.063	.048	.038	.037	.029	.023	.012	.009	.007	
9.0	.100	.074	.056	.086	.064	.049	.060	.045	.035	.035	.027	.021	.011	.009	.007	
10.0	.095	.069	.052	.082	.060	.045	.057	.042	.032	.033	.025	.019	.011	.008	.006	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA05-15W						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		15.1	15.7	15.4	15.9	16.1	15.2	15.8	15.4	16.0	16.2
3H		15.6	16.1	15.8	16.3	16.6	15.4	15.9	15.6	16.2	16.4
4H		15.7	16.3	16.0	16.5	16.8	15.4	15.9	15.7	16.2	16.4
6H		15.9	16.4	16.2	16.6	16.9	15.3	15.8	15.7	16.1	16.4
8H		15.9	16.4	16.2	16.7	17.0	15.3	15.8	15.6	16.1	16.4
12H		15.9	16.4	16.2	16.6	17.0	15.3	15.7	15.6	16.0	16.3
4H 2H		15.2	15.8	15.5	16.0	16.2	15.3	15.8	15.6	16.1	16.3
3H		15.7	16.2	16.1	16.5	16.8	15.5	16.0	15.9	16.3	16.6
4H		16.0	16.4	16.3	16.7	17.1	15.5	16.0	15.9	16.3	16.7
6H		16.1	16.5	16.6	16.9	17.3	15.5	15.9	15.9	16.3	16.6
8H		16.2	16.6	16.6	16.9	17.4	15.5	15.8	15.9	16.2	16.6
12H		16.2	16.5	16.6	16.9	17.4	15.4	15.8	15.9	16.2	16.6
8H 4H		15.9	16.2	16.3	16.6	17.0	15.5	15.8	15.9	16.2	16.6
6H		16.1	16.4	16.6	16.8	17.3	15.5	15.8	15.9	16.2	16.7
8H		16.2	16.5	16.7	16.9	17.4	15.4	15.7	15.9	16.1	16.6
12H		16.2	16.4	16.7	16.9	17.4	15.4	15.6	15.9	16.1	16.6
12H 4H		15.8	16.2	16.3	16.6	17.0	15.4	15.8	15.9	16.2	16.6
6H		16.1	16.3	16.5	16.8	17.3	15.4	15.7	15.9	16.1	16.6
8H		16.1	16.4	16.6	16.9	17.4	15.4	15.6	15.9	16.1	16.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.8 / - 1.1					+ 1.2 / - 1.9				
1.5H		+ 0.9 / - 0.9					+ 1.6 / - 1.2				
2.0H		+ 1.9 / - 1.8					+ 2.3 / - 2.4				

CIE Pub.117, 598.7 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.8)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA05-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

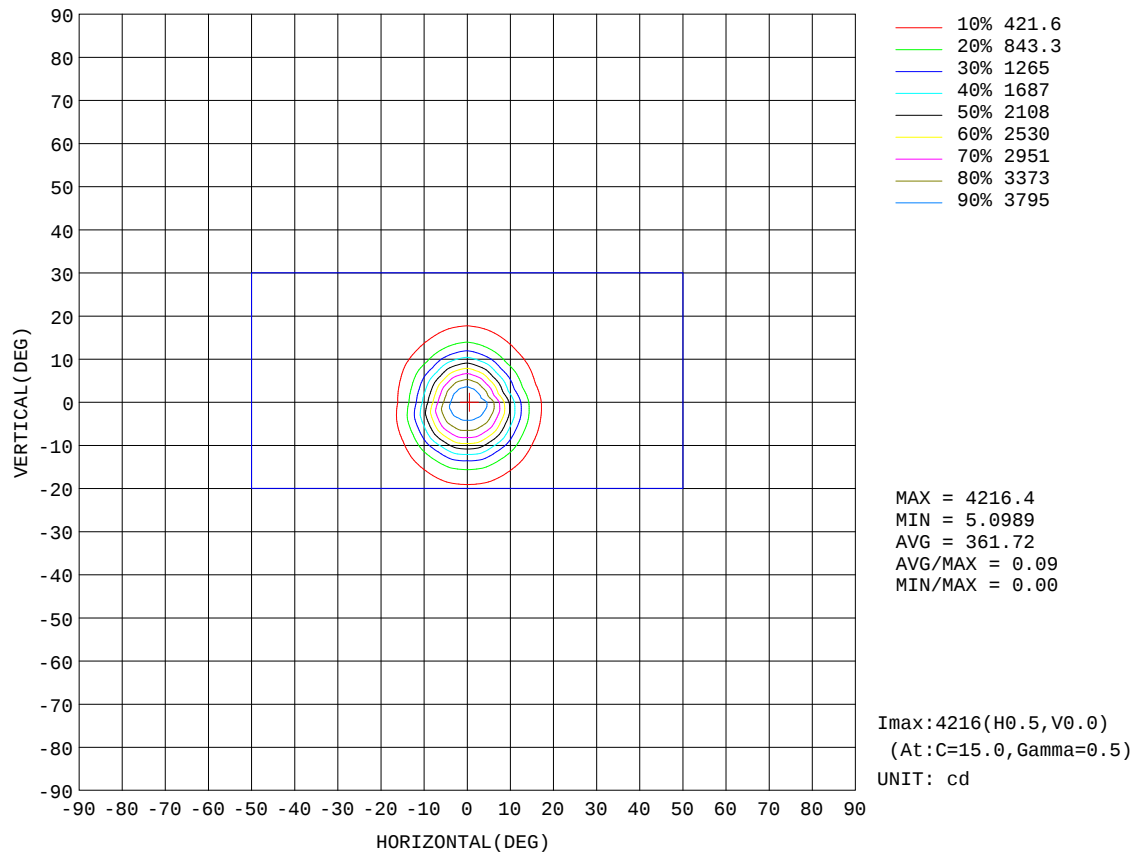
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	88	82	78	88	82	78	87	81	78	75
0.80	95	90	86	94	89	86	93	88	85	82
1.00	99	94	90	98	93	90	97	93	89	85
1.25	103	98	95	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	98	96	91
2.00	108	104	101	107	103	100	104	101	98	93
2.50	110	106	103	108	105	102	105	102	100	93
3.00	111	108	105	109	106	104	106	103	102	95
4.00	113	111	109	111	109	107	107	105	104	96
5.00	115	112	111	112	110	109	108	107	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:2021-08-09

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-VF62RA05-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

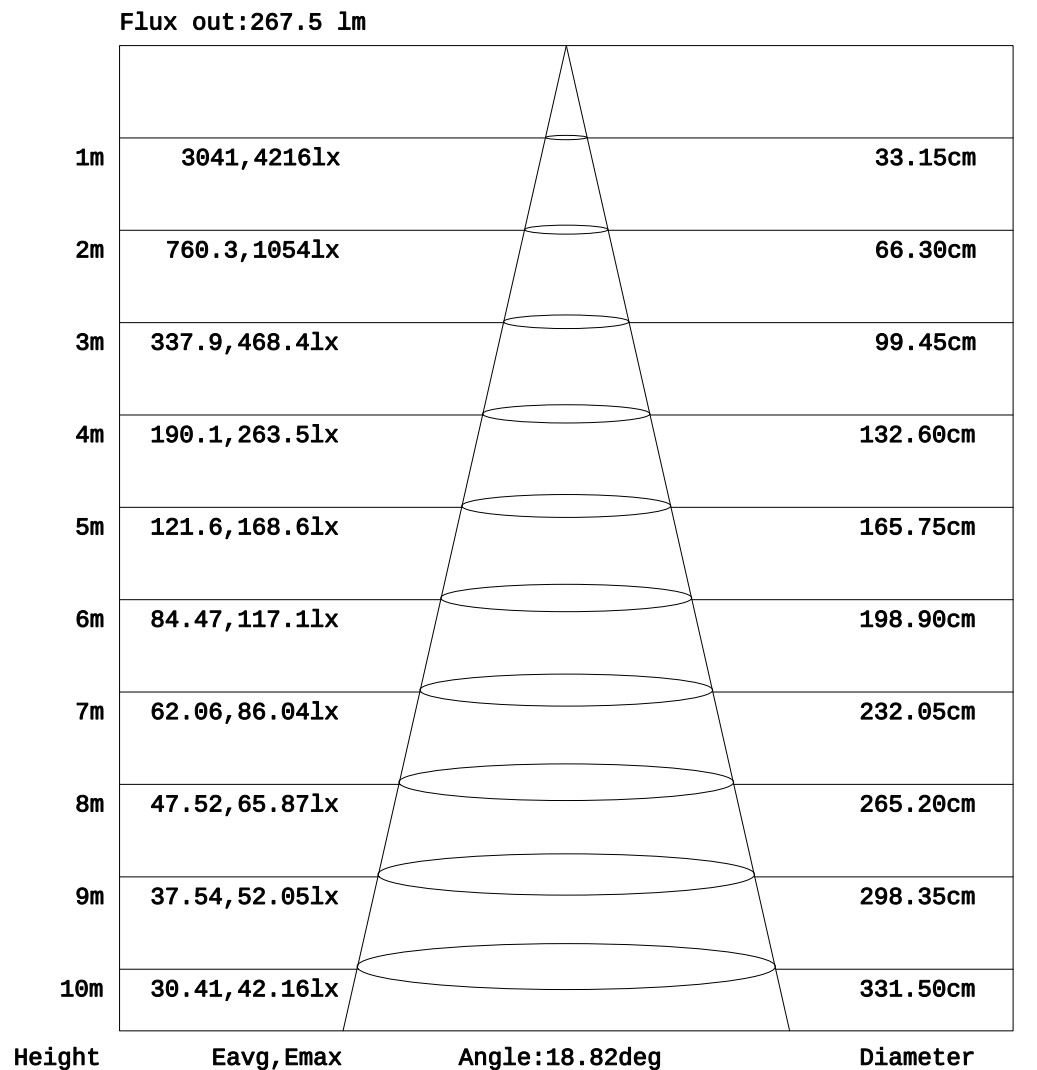


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature: 28DEG
Operators: LGL
Test Date: 2021-08-09

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-VF62RA05-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



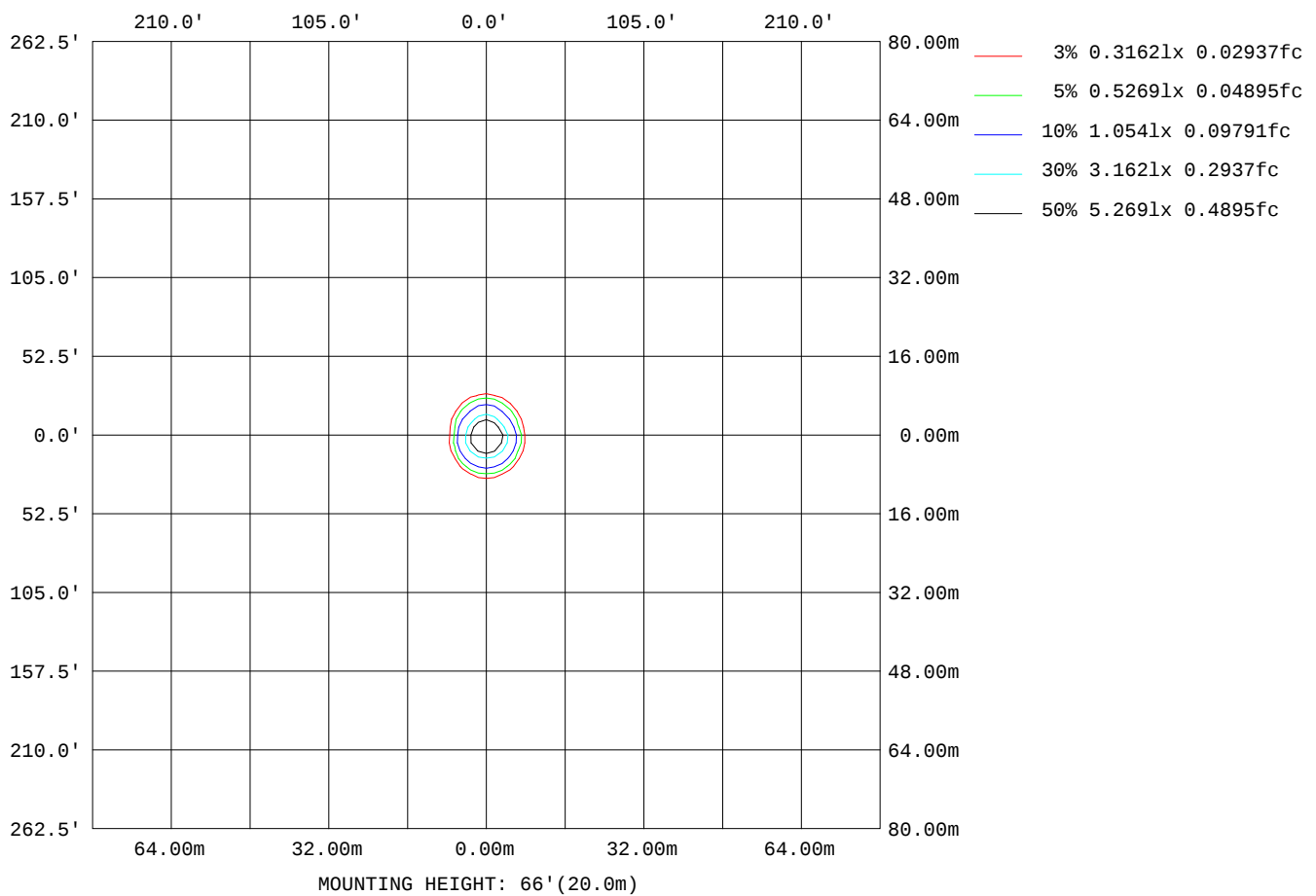
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-09

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-VF62RA05-15W	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: 2021-08-09

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-VF62RA05-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

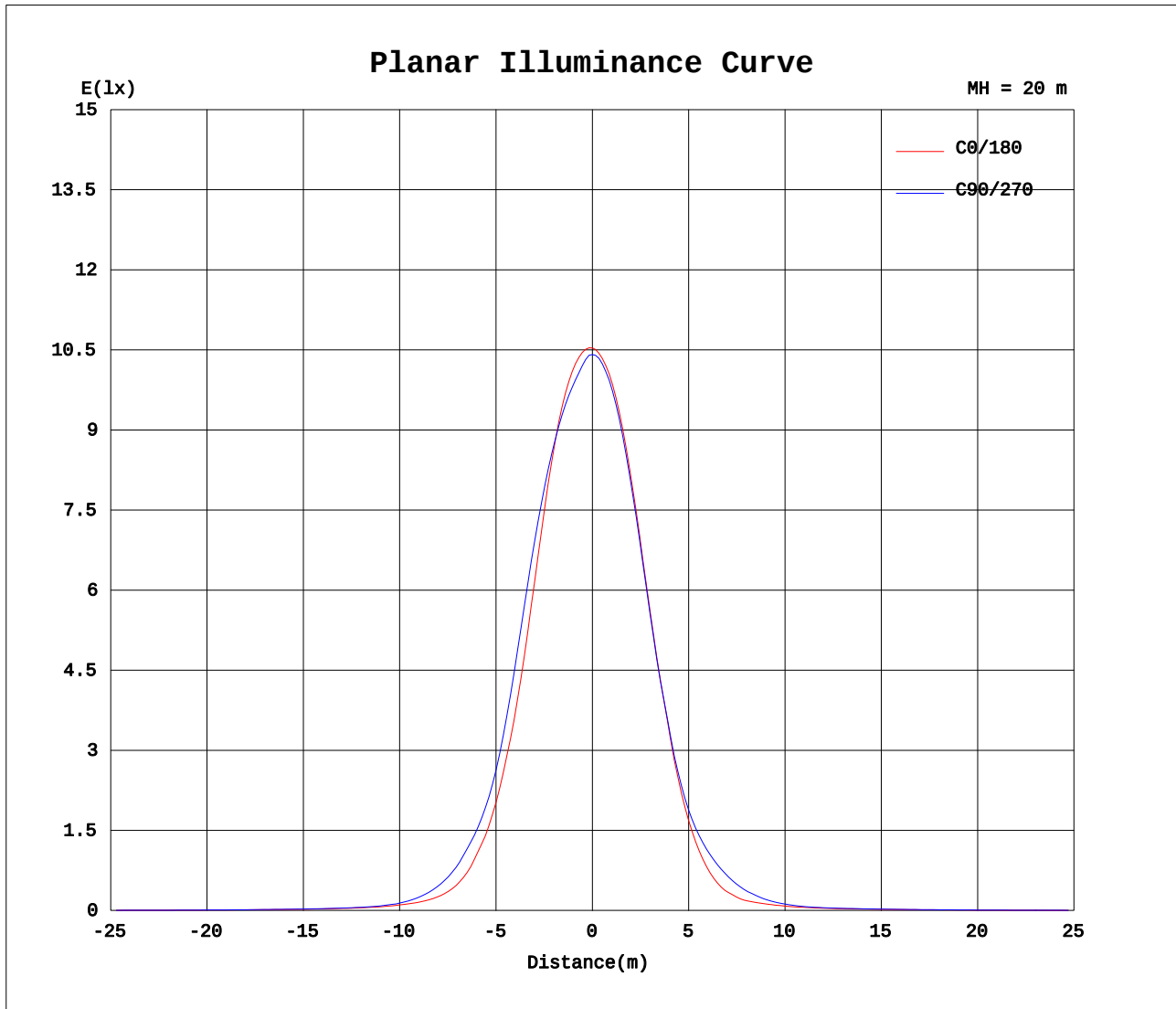
AvgL	cd/m2
L_0~180(65)av	8586
L_0~180(75)av	6192
L_0~180(85)av	3174
L_90~270(65)av	8728
L_90~270(75)av	5310
L_90~270(85)av	3784
L_45(65)av	8387
L_45(75)av	5458
L_45(85)av	3621

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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: 2021-08-09

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-VF62RA05-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	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	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172	4172
5	3659	3699	3666	3697	3663	3691	3673	3706	3690	3725	3693	3707	3475	3403	3427	3392	3447	3424	3463
10	1979	2130	2151	2288	2306	2422	2395	2439	2339	2334	2188	2143	1794	1696	1704	1649	1741	1753	1808
15	705	773	802	886	896	963	951	967	900	877	769	725	569	576	602	596	609	659	688
20	195	217	242	293	318	348	347	347	307	269	206	174	141	151	199	225	253	263	270
25	73.1	76.8	78.9	91.8	100	113	112	110	95.0	83.5	71.1	66.9	58.3	58.0	61.1	76.9	92.2	92.7	94.0
30	37.1	38.2	38.6	41.1	42.7	45.0	44.6	45.0	42.8	40.8	36.9	34.8	31.3	31.2	32.2	32.8	35.3	36.6	38.0
35	23.4	23.6	23.7	25.0	26.2	27.3	27.4	27.7	26.5	25.5	23.5	22.4	21.0	20.8	21.2	22.0	23.4	24.2	25.1
40	16.3	16.5	16.4	17.2	17.8	18.4	18.5	18.8	18.2	17.6	16.4	15.7	14.9	14.6	15.0	15.7	16.7	17.2	17.6
45	12.4	12.3	11.9	12.1	12.3	12.6	12.6	12.8	12.6	12.4	11.8	11.6	11.1	10.9	10.9	11.1	11.8	12.1	12.3
50	9.17	8.97	8.69	8.83	8.87	9.01	8.87	9.01	8.83	8.67	8.19	8.06	7.75	7.78	8.05	8.31	8.70	8.93	9.17
55	6.36	6.15	5.86	5.93	5.88	5.93	5.79	5.86	5.70	5.63	5.34	5.35	5.28	5.37	5.66	5.96	6.38	6.65	6.91
60	4.34	4.11	3.85	3.81	3.69	3.68	3.58	3.61	3.52	3.52	3.44	3.54	3.58	3.68	3.90	4.15	4.48	4.72	4.93
65	2.98	2.79	2.51	2.43	2.28	2.26	2.15	2.19	2.14	2.21	2.20	2.34	2.42	2.49	2.67	2.81	3.07	3.20	3.33
70	2.05	1.86	1.62	1.52	1.39	1.34	1.27	1.28	1.28	1.35	1.39	1.51	1.60	1.67	1.78	1.87	2.01	2.07	2.17
75	1.37	1.19	1.00	0.88	0.78	0.73	0.68	0.69	0.72	0.77	0.82	0.93	1.01	1.06	1.14	1.19	1.26	1.30	1.36
80	0.84	0.69	0.53	0.43	0.37	0.31	0.29	0.30	0.33	0.37	0.42	0.49	0.55	0.59	0.64	0.68	0.71	0.74	0.77
85	0.22	0.25	0.24	0.18	0.17	0.14	0.14	0.15	0.17	0.17	0.21	0.22	0.19	0.24	0.25	0.28	0.28	0.31	0.35
90	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.13	0.13	0.14
95	0.14	0.16	0.14	0.16	0.14	0.16	0.15	0.16	0.15	0.16	0.14	0.16	0.17	0.15	0.16	0.14	0.16	0.14	0.17
100	0.16	0.18	0.16	0.17	0.16	0.19	0.17	0.19	0.16	0.18	0.17	0.18	0.20	0.18	0.19	0.17	0.19	0.18	0.19
105	0.18	0.20	0.18	0.20	0.19	0.21	0.20	0.21	0.19	0.21	0.19	0.20	0.22	0.20	0.22	0.20	0.21	0.20	0.22
110	0.20	0.22	0.20	0.22	0.21	0.23	0.21	0.24	0.21	0.23	0.21	0.23	0.24	0.21	0.23	0.21	0.23	0.22	0.24
115	0.23	0.24	0.23	0.26	0.24	0.27	0.25	0.27	0.25	0.26	0.24	0.26	0.27	0.25	0.26	0.25	0.27	0.26	0.28
120	0.28	0.30	0.29	0.33	0.34	0.36	0.35	0.36	0.34	0.34	0.31	0.32	0.34	0.33	0.36	0.35	0.38	0.38	0.40
125	0.46	0.48	0.50	0.54	0.57	0.60	0.61	0.60	0.57	0.55	0.52	0.52	0.59	0.61	0.64	0.68	0.70	0.73	0.74
130	1.05	1.01	1.07	1.08	1.16	1.17	1.21	1.15	1.15	1.08	1.07	1.05	1.31	1.40	1.41	1.52	1.53	1.61	1.58
135	2.36	2.31	2.35	2.35	2.42	2.41	2.45	2.38	2.37	2.31	2.33	2.34	2.84	2.94	2.98	3.06	3.09	3.15	3.14
140	4.41	4.31	4.35	4.30	4.37	4.32	4.36	4.29	4.30	4.26	4.33	4.36	4.96	5.06	5.06	5.15	5.14	5.21	5.19
145	6.60	6.51	6.49	6.42	6.44	6.40	6.43	6.37	6.41	6.40	6.49	6.56	7.10	7.16	7.15	7.17	7.14	7.18	7.16
150	8.27	8.19	8.17	8.09	8.09	8.04	8.09	8.05	8.11	8.12	8.22	8.26	8.59	8.62	8.59	8.58	8.53	8.54	8.53
155	9.15	9.12	9.05	9.02	8.97	8.98	9.00	9.02	9.04	9.10	9.15	9.22	9.40	9.37	9.34	9.28	9.26	9.24	9.26
160	9.30	9.25	9.16	9.18	9.15	9.21	9.28	9.41	9.32	9.38	9.36	9.44	9.53	9.51	9.43	9.39	9.36	9.37	9.36
165	8.52	8.50	8.35	8.41	8.51	8.70	8.77	8.85	8.80	8.80	8.78	8.88	8.82	8.77	8.67	8.55	8.56	8.55	8.55
170	6.89	6.87	6.74	6.70	6.72	6.94	7.05	7.17	7.12	7.19	7.27	7.35	7.17	7.08	7.02	6.85	6.80	6.73	6.66
175	5.20	5.20	5.13	5.22	5.23	5.24	5.29	5.40	5.48	5.61	5.60	5.52	5.38	5.34	5.34	5.32	5.20	5.09	4.97
180	4.61	4.58	4.56	4.66	4.58	4.53	4.60	4.53	4.53	4.63	4.52	4.45	4.63	4.57	4.57	4.66	4.58	4.54	4.59

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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-VF62RA05-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-15D	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	4172	4172	4172	4172	4172														
5	3401	3410	3351	3407	3413														
10	1704	1683	1567	1641	1646														
15	645	591	564	577	583														
20	256	243	221	203	175														
25	89.7	88.0	77.3	67.4	65.0														
30	36.9	35.6	34.4	34.9	34.5														
35	24.4	23.4	22.9	22.9	22.5														
40	17.3	16.9	16.2	15.9	15.7														
45	12.2	12.0	11.6	11.5	11.9														
50	9.03	8.95	8.75	8.79	8.82														
55	6.79	6.67	6.42	6.31	6.19														
60	4.85	4.73	4.51	4.37	4.27														
65	3.29	3.27	3.09	3.03	2.96														
70	2.14	2.17	2.10	2.08	2.05														
75	1.36	1.39	1.36	1.37	1.36														
80	0.78	0.79	0.79	0.80	0.82														
85	0.33	0.31	0.31	0.29	0.29														
90	0.14	0.14	0.13	0.13	0.13														
95	0.14	0.16	0.14	0.16	0.14														
100	0.17	0.19	0.17	0.19	0.17														
105	0.20	0.21	0.20	0.21	0.20														
110	0.22	0.23	0.21	0.23	0.21														
115	0.25	0.27	0.24	0.26	0.24														
120	0.38	0.37	0.34	0.33	0.30														
125	0.73	0.69	0.64	0.59	0.55														
130	1.60	1.50	1.48	1.35	1.32														
135	3.16	3.10	3.07	2.93	2.85														
140	5.24	5.18	5.19	5.04	4.98														
145	7.21	7.18	7.20	7.11	7.08														
150	8.56	8.54	8.57	8.54	8.55														
155	9.24	9.24	9.23	9.26	9.29														
160	9.35	9.27	9.23	9.23	9.32														
165	8.45	8.35	8.21	8.28	8.39														
170	6.52	6.46	6.35	6.46	6.59														
175	4.89	4.90	4.87	4.78	4.87														
180	4.51	4.53	4.62	4.52	4.44														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: MEDIUM
Temperature:28DEG
Operators:LGL
Test Date:2021-08-09

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: