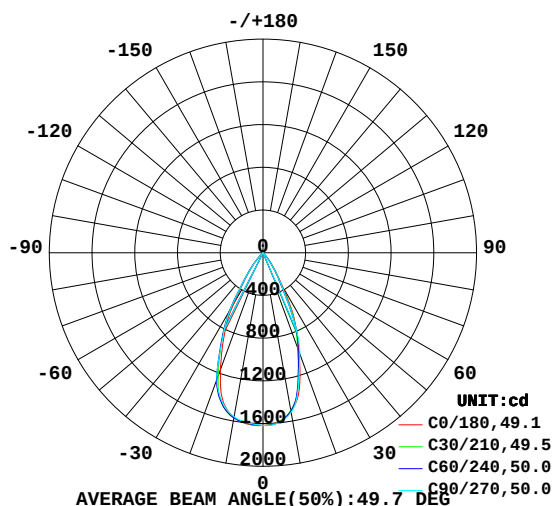


LUMINAIRE PHOTOMETRIC TEST REPORT

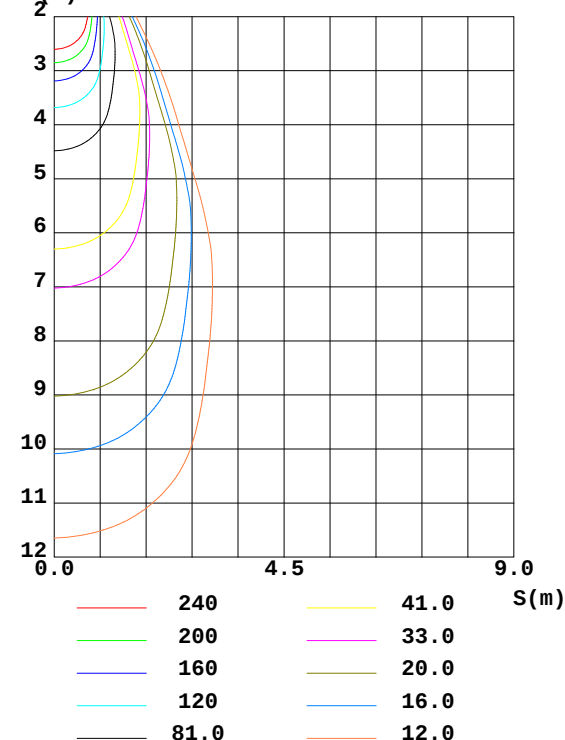
NAME: VM060-VF61RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 80.85 lm/W			
MODEL	BXRE-30G1000-C-7X	Imax(cd)	1621	S/MH(C0/180)	0.79
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.82
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1087.7	η UP, DN(C0-180)	1.3, 44.6
NOMINAL FLUX(lm)	1087.74	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 52.8
LAMPS INSIDE	1	η up(%)	2.5	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	230	η down(%)	97.5	CIBSE SHR MAX	0.75

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:

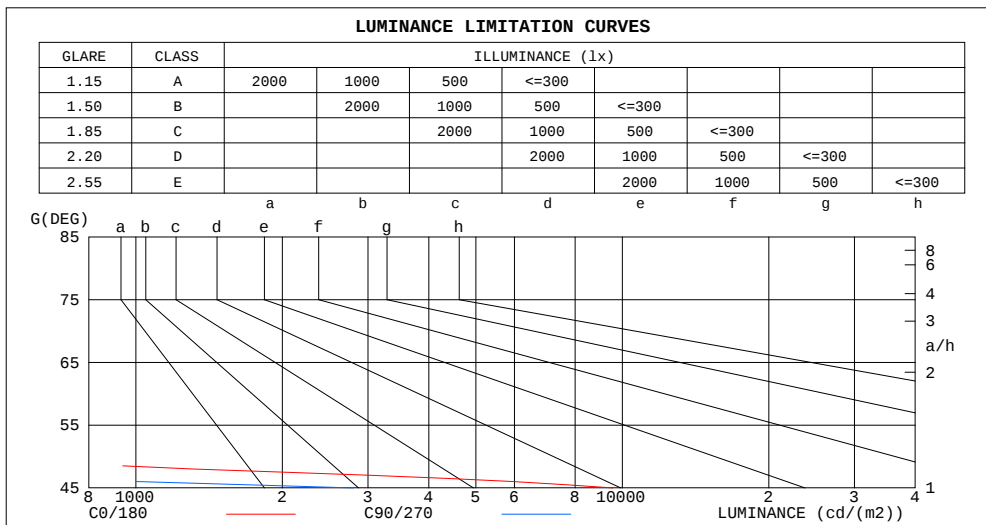
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1507	1505	1518	1545	1566	1568	1559	1521	0- 10	150.8	150.8	13.9,13.9
20	985.2	962.0	1009	1069	1165	1236	1261	1095	10- 20	376.9	527.7	48.5,48.5
30	372.0	327.1	330.1	413.1	549.0	607.5	616.7	479.0	20- 30	355.6	883.3	81.2,81.2
40	78.48	64.64	59.68	86.90	114.9	130.9	131.9	97.23	30- 40	148.1	1031	94.8,94.8
50	1.132	0.7001	0.5340	1.229	2.827	5.255	5.112	2.353	40- 50	25.56	1057	97.2,97.2
60	0.8391	0.8594	0.6299	0.6179	5.649	0.5709	0.6517	1.198	50- 60	1.208	1058	97.3,97.3
70	0.2129	0.2601	0.1976	0.3349	5.797	0.1741	0.1565	0.1644	60- 70	1.106	1059	97.4,97.4
80	0.2129	0.2335	0.1967	0.2496	2.394	0.1741	0.1681	0.1667	70- 80	0.6888	1060	97.4,97.4
90	0.2217	0.2314	0.2117	0.2597	0.3104	0.1741	0.1865	0.1818	80- 90	0.2522	1060	97.5,97.5
100	0.3310	0.4520	0.2849	0.5236	3.392	0.2246	0.2300	0.2417	90-100	0.4258	1061	97.5,97.5
110	0.8749	0.8776	0.8919	0.8630	2.479	0.4976	0.4870	0.5848	100-110	0.8671	1061	97.6,97.6
120	2.228	2.331	2.308	1.962	2.508	1.512	1.543	1.841	110-120	1.381	1063	97.7,97.7
130	4.816	5.223	5.114	4.992	4.069	4.122	3.868	4.396	120-130	2.820	1066	98,98
140	8.448	8.696	8.655	8.110	8.609	7.174	7.251	7.813	130-140	4.941	1071	98.4,98.4
150	11.48	11.75	11.84	11.38	10.88	10.57	10.75	11.15	140-150	6.165	1077	99,99
160	13.12	13.29	13.52	13.66	13.53	13.60	15.23	13.23	150-160	5.730	1083	99.5,99.5
170	13.46	13.51	13.92	14.01	13.70	13.73	13.84	13.74	160-170	3.866	1086	99.9,99.9
180	14.30	14.49	14.45	14.68	14.32	14.48	14.46	14.67	170-180	1.338	1088	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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	870	834
80	437	401
75	293	269
70	222	204
65	429	520
60	598	445
55	604	331
50	627	294
45	9556	2800

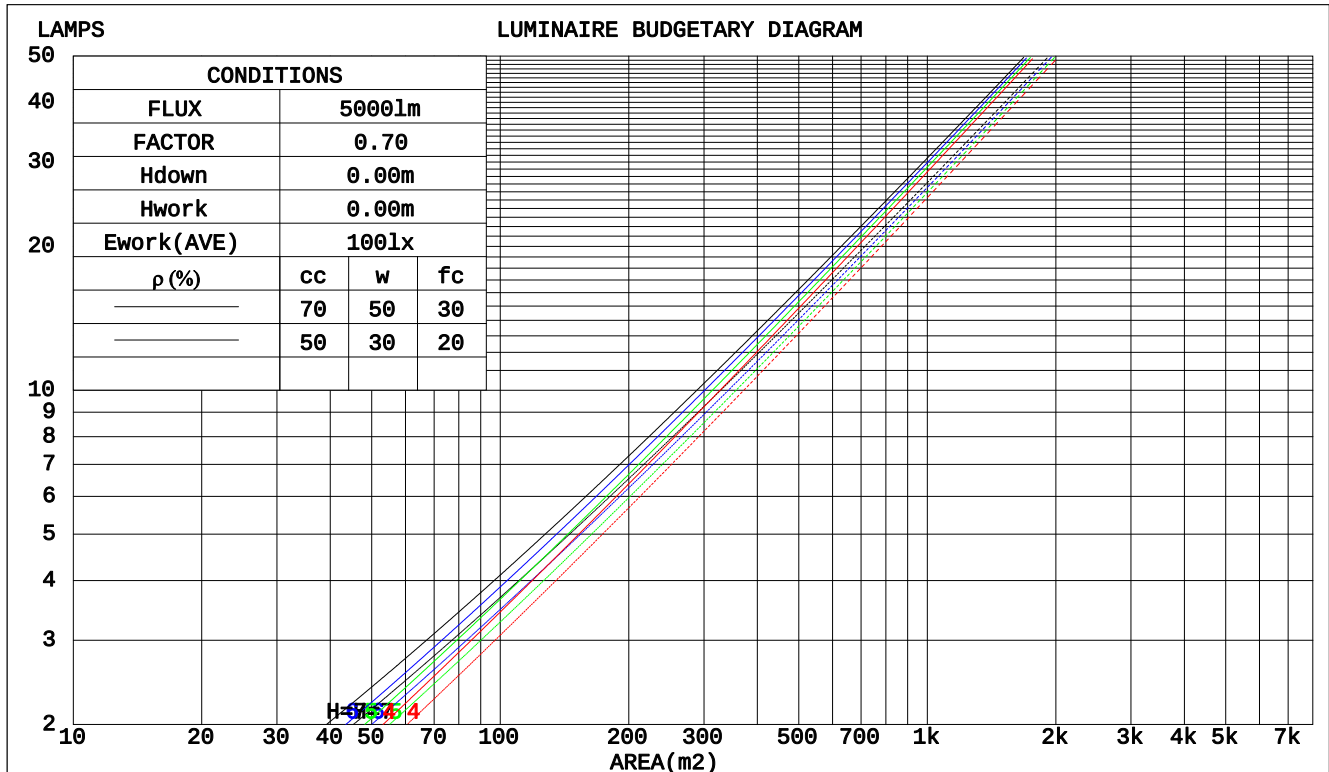
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature:28DEG
 Operators:LGL
 Test Date:2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	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			Coefficients of Utilization(CU)												
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.04	1.04	1.04	.00	.00	.00	.97
1.0	1.11	1.08	1.06	1.08	1.06	1.04	1.04	1.02	1.01	.00	.98	.97	.96	.95	.94	.92
2.0	1.04	1.00	.97	1.02	.99	.96	.98	.96	.93	.95	.93	.91	.92	.90	.89	.87
3.0	.98	.93	.89	.96	.92	.89	.93	.90	.87	.90	.88	.85	.88	.86	.84	.82
4.0	.92	.87	.83	.91	.86	.82	.88	.84	.81	.86	.83	.80	.84	.81	.79	.77
5.0	.87	.82	.78	.86	.81	.77	.84	.80	.76	.82	.78	.75	.80	.77	.75	.73
6.0	.82	.77	.73	.81	.76	.73	.80	.75	.72	.78	.74	.71	.76	.73	.71	.69
7.0	.78	.72	.69	.77	.72	.68	.76	.71	.68	.74	.70	.67	.73	.70	.67	.65
8.0	.74	.69	.65	.73	.68	.65	.72	.67	.64	.71	.67	.64	.70	.66	.63	.62
9.0	.70	.65	.61	.70	.65	.61	.69	.64	.61	.68	.64	.61	.67	.63	.60	.59
10.0	.67	.62	.58	.67	.62	.58	.66	.61	.58	.65	.61	.58	.64	.60	.57	.56



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
 γ 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-vF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	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	.166	.095	.030	.159	.091	.029	.145	.083	.027	.132	.076	.024	.120	.070	.022		
2.0	.158	.086	.026	.151	.083	.026	.139	.078	.024	.129	.072	.023	.118	.067	.021		
3.0	.149	.079	.024	.144	.077	.023	.134	.073	.022	.124	.068	.021	.116	.064	.020		
4.0	.142	.074	.022	.137	.072	.021	.128	.068	.020	.120	.065	.019	.113	.061	.019		
5.0	.135	.069	.020	.131	.067	.020	.123	.064	.019	.116	.061	.018	.109	.058	.018		
6.0	.129	.065	.018	.125	.063	.018	.118	.061	.018	.112	.058	.017	.106	.056	.017		
7.0	.123	.061	.017	.120	.060	.017	.114	.058	.017	.108	.056	.016	.103	.053	.016		
8.0	.118	.058	.016	.115	.057	.016	.110	.055	.016	.105	.053	.015	.100	.051	.015		
9.0	.113	.055	.015	.111	.054	.015	.106	.052	.015	.101	.051	.015	.097	.049	.014		
10.0	.109	.052	.014	.106	.051	.014	.102	.050	.014	.098	.049	.014	.094	.047	.014		

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	.210	.210	.210	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.190	.177	.165	.162	.152	.142	.111	.104	.098	.064	.060	.057	.020	.019	.018	
2.0	.174	.152	.134	.149	.131	.116	.102	.091	.081	.059	.053	.047	.019	.017	.015	
3.0	.161	.133	.111	.138	.115	.096	.095	.080	.068	.055	.047	.040	.018	.015	.013	
4.0	.150	.118	.094	.129	.102	.082	.089	.071	.058	.051	.042	.034	.016	.014	.011	
5.0	.141	.107	.081	.121	.092	.071	.083	.064	.050	.048	.038	.030	.016	.012	.010	
6.0	.133	.097	.071	.115	.084	.062	.079	.059	.044	.046	.035	.026	.015	.011	.009	
7.0	.127	.090	.063	.109	.078	.055	.075	.054	.039	.044	.032	.023	.014	.010	.008	
8.0	.121	.083	.057	.104	.072	.050	.072	.051	.035	.042	.030	.021	.014	.010	.007	
9.0	.116	.078	.052	.100	.068	.046	.069	.048	.032	.040	.028	.019	.013	.009	.006	
10.0	.111	.074	.048	.096	.064	.042	.067	.045	.030	.039	.027	.018	.013	.009	.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-VF61RA01-15W						TYPE:indoor lights			WEIGHT:1		
SPEC.:3000K-CRI90-55D						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	15.6	16.5	15.9	16.7	16.9	14.9	15.7	15.2	15.9	16.2	
3H	15.5	16.2	15.8	16.5	16.7	14.7	15.5	15.0	15.7	16.0	
4H	15.4	16.1	15.7	16.4	16.6	14.6	15.4	14.9	15.6	15.9	
6H	15.3	16.0	15.6	16.2	16.5	14.5	15.2	14.9	15.5	15.8	
8H	15.2	15.9	15.6	16.2	16.5	14.5	15.2	14.8	15.5	15.8	
12H	15.2	15.8	15.5	16.1	16.5	14.5	15.1	14.8	15.4	15.7	
4H	2H	15.4	16.1	15.7	16.4	16.6	14.6	15.4	14.9	15.6	15.9
	3H	15.2	15.8	15.5	16.1	16.4	14.5	15.1	14.8	15.4	15.7
	4H	15.1	15.7	15.5	16.0	16.4	14.4	14.9	14.7	15.3	15.6
	6H	15.0	15.5	15.4	15.9	16.3	14.2	14.8	14.7	15.1	15.5
	8H	14.9	15.4	15.4	15.8	16.2	14.2	14.7	14.6	15.1	15.5
	12H	14.9	15.3	15.3	15.7	16.2	14.1	14.6	14.6	15.0	15.4
8H	4H	14.9	15.4	15.4	15.8	16.2	14.2	14.7	14.6	15.1	15.5
	6H	14.8	15.2	15.3	15.6	16.1	14.1	14.5	14.6	14.9	15.4
	8H	14.8	15.1	15.2	15.6	16.1	14.0	14.4	14.5	14.8	15.3
	12H	14.7	15.0	15.2	15.5	16.0	14.0	14.3	14.5	14.7	15.3
12H	4H	14.9	15.3	15.3	15.7	16.2	14.1	14.6	14.6	15.0	15.4
	6H	14.8	15.1	15.2	15.6	16.1	14.0	14.4	14.5	14.8	15.3
	8H	14.7	15.0	15.2	15.5	16.0	14.0	14.3	14.5	14.7	15.3
Variations with the observer position at spacings:											
S = 1.0H	+ 4.2 / -17.4					+ 4.0 / -17.4					
1.5H	+ 6.9 / -18.1					+ 6.8 / -17.5					
2.0H	+ 9.2 / - 6.3					+ 6.2 / - 2.3					

CIE Pub.117, 1088 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 0.3$)

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

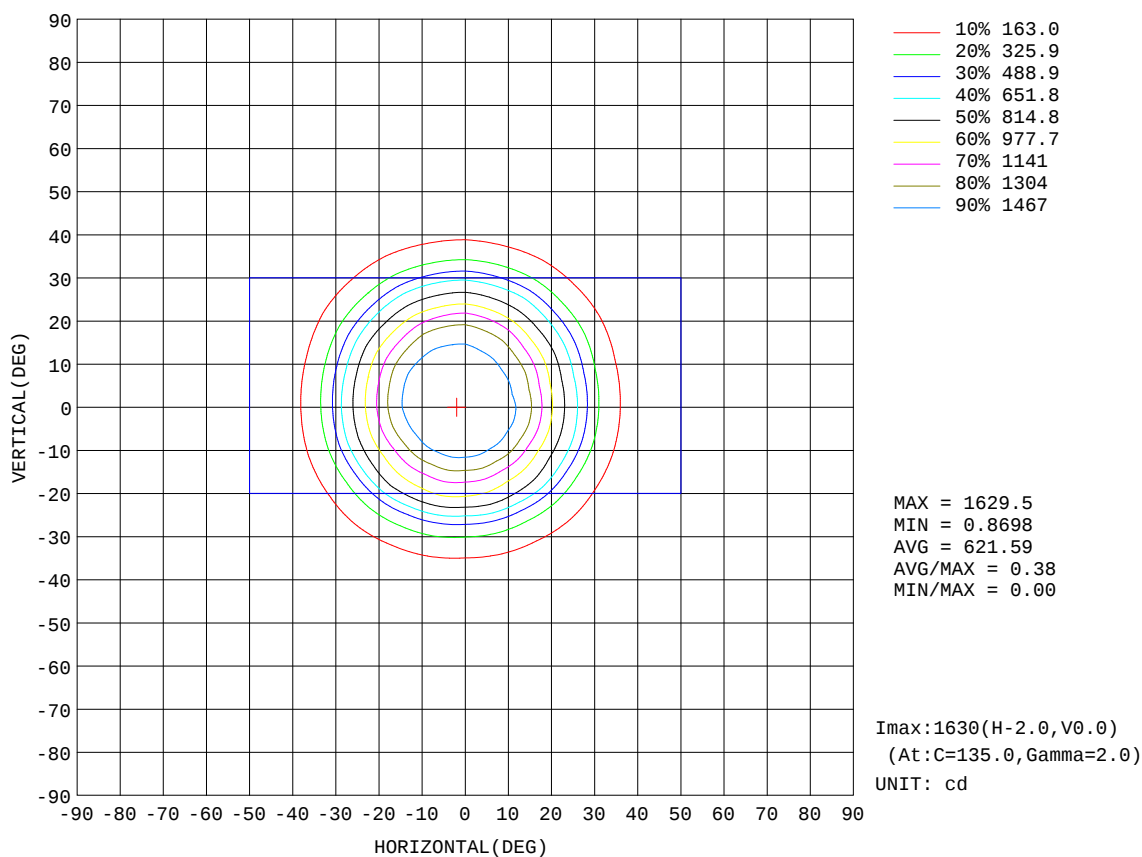
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	88	82	79	88	82	79	87	82	78	75
0.80	96	90	87	95	90	86	93	89	86	82
1.00	100	94	91	99	94	90	97	93	90	86
1.25	103	98	95	102	98	95	100	96	94	89
1.50	106	101	98	105	101	98	102	99	96	92
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	102	100	94
3.00	111	108	106	109	107	104	106	104	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:2021-08-12

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-VF61RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

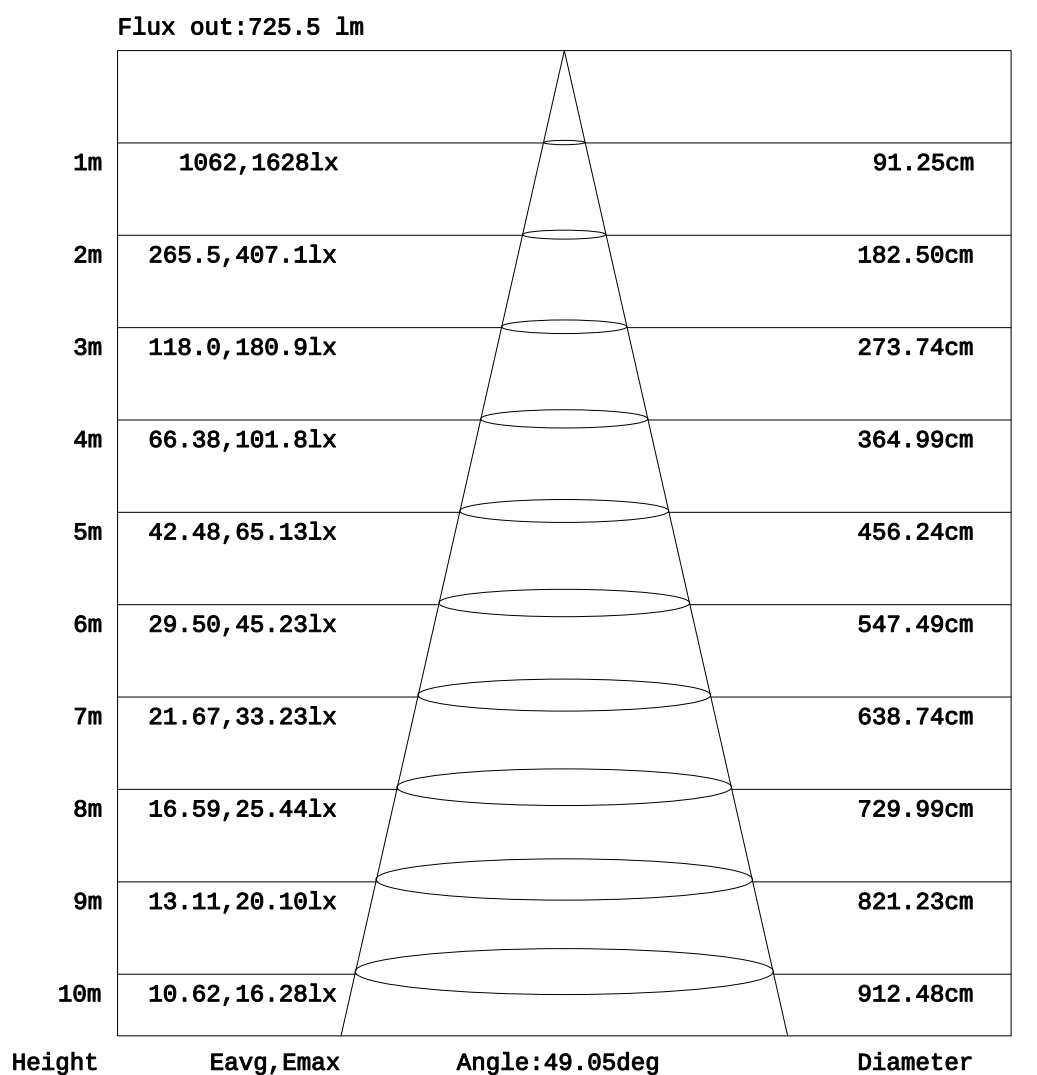


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: MEDIUM
 Temperature: 28DEG
 Operators: LGL
 Test Date: 2021-08-12

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:



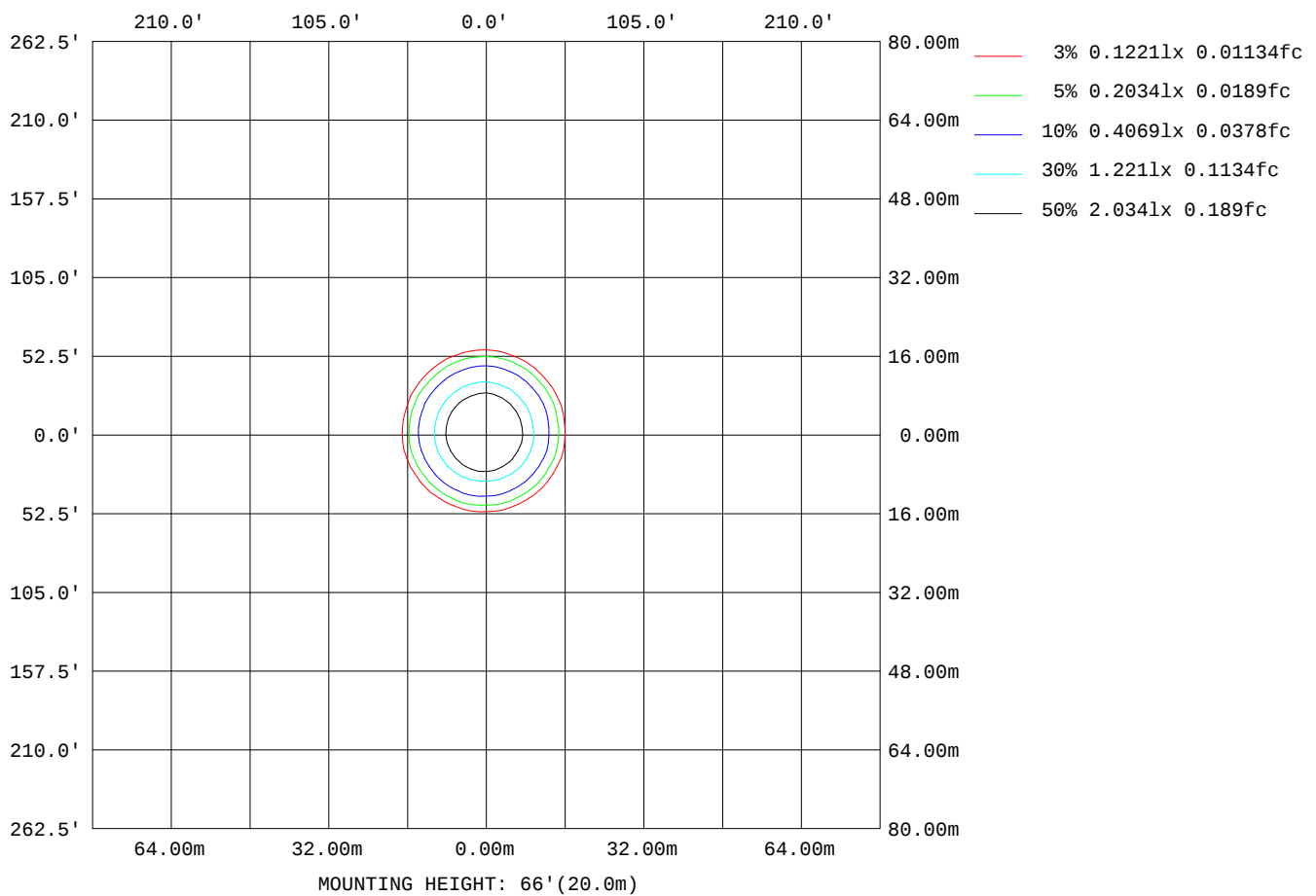
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-VF61RA01-15W	TYPE: indoor lights	WEIGHT: 1
SPEC.: 3000K-CRI90-55D	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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

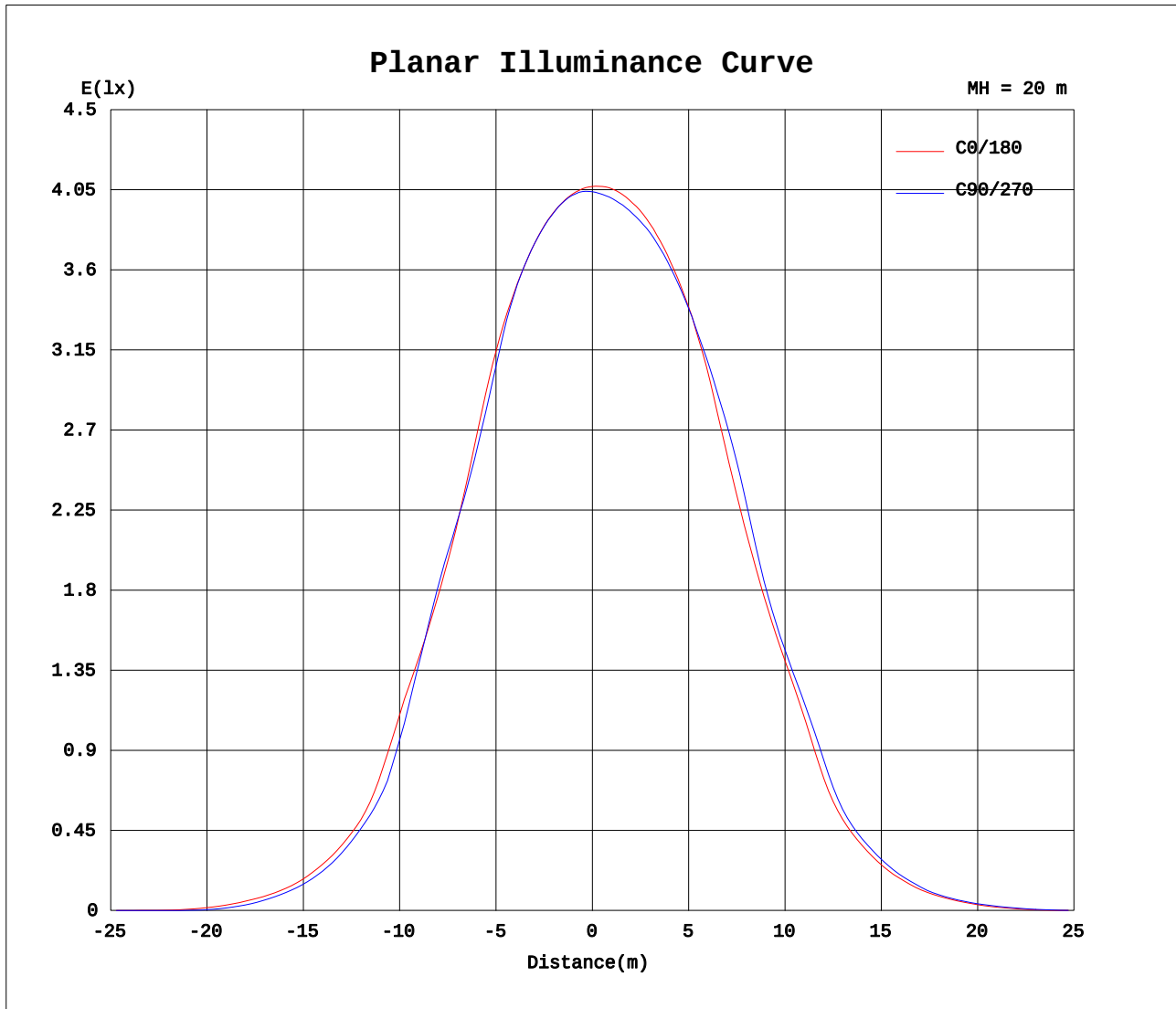
AvgL	cd/m2
L_0~180(65)av	2477
L_0~180(75)av	3135
L_0~180(85)av	1257
L_90~270(65)av	325
L_90~270(75)av	244
L_90~270(85)av	783
L_45(65)av	383
L_45(75)av	322
L_45(85)av	821

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	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	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617	1617
5	1591	1596	1595	1598	1599	1602	1602	1606	1607	1611	1612	1614	1612	1608	1607	1606	1605	1602	1599
10	1507	1508	1499	1505	1503	1516	1518	1531	1533	1545	1549	1563	1566	1567	1569	1568	1571	1566	1559
15	1318	1310	1280	1282	1264	1282	1282	1313	1325	1369	1390	1428	1441	1455	1472	1468	1473	1463	1456
20	985	976	952	962	963	994	1009	1036	1037	1069	1092	1146	1165	1187	1227	1236	1271	1263	1261
25	704	705	688	691	665	676	670	718	753	812	824	856	865	883	916	915	928	910	908
30	372	356	331	327	317	326	330	354	372	413	452	523	549	567	600	607	630	616	617
35	188	179	165	163	156	161	162	176	187	209	225	252	265	276	294	291	300	294	294
40	78.5	74.2	67.4	64.6	61.0	61.1	59.7	66.3	73.3	86.9	96.3	110	115	120	133	131	138	131	132
45	19.0	16.9	13.1	11.4	8.34	7.19	5.60	8.46	12.6	21.2	27.9	36.2	37.7	39.6	45.6	47.0	48.9	45.3	43.7
50	1.13	0.98	0.87	0.70	0.59	0.55	0.53	0.63	0.85	1.23	1.74	2.72	2.83	3.25	4.99	5.25	6.29	5.13	5.11
55	0.97	0.93	0.85	0.77	0.65	0.61	0.54	0.52	0.60	0.81	1.22	2.50	4.62	4.31	1.35	0.62	0.53	0.53	0.70
60	0.84	1.00	1.00	0.86	0.74	0.73	0.63	0.53	0.50	0.62	1.42	3.29	5.65	5.34	1.90	0.57	0.49	0.50	0.65
65	0.51	0.99	1.00	0.83	0.75	0.70	0.62	0.48	0.48	0.48	1.47	3.43	5.41	4.97	2.19	0.35	0.26	0.17	0.16
70	0.21	0.27	0.27	0.26	0.19	0.30	0.20	0.19	0.25	0.33	1.42	3.69	5.80	5.44	2.44	0.17	0.20	0.16	0.16
75	0.21	0.24	0.27	0.28	0.19	0.19	0.20	0.20	0.25	0.33	0.38	2.77	4.37	3.88	0.24	0.17	0.17	0.16	0.16
80	0.21	0.24	0.27	0.23	0.20	0.20	0.20	0.21	0.22	0.25	0.30	0.37	2.39	0.27	0.18	0.17	0.17	0.16	0.17
85	0.21	0.24	0.23	0.22	0.20	0.21	0.21	0.21	0.22	0.24	0.24	0.23	0.41	0.19	0.19	0.17	0.18	0.17	0.18
90	0.22	0.24	0.23	0.23	0.21	0.21	0.21	0.21	0.23	0.26	0.24	0.23	0.31	0.20	0.22	0.17	0.19	0.17	0.19
95	0.24	0.26	0.33	0.31	0.24	0.23	0.22	0.24	0.25	0.35	0.36	0.34	2.36	0.37	0.27	0.20	0.21	0.18	0.20
100	0.33	0.37	0.51	0.45	0.30	0.30	0.28	0.30	0.33	0.52	0.88	2.33	3.39	2.60	0.39	0.22	0.23	0.21	0.23
105	0.56	0.69	0.65	0.61	0.47	0.52	0.47	0.47	0.50	0.67	1.28	3.08	3.57	2.39	0.89	0.31	0.31	0.29	0.31
110	0.87	0.95	0.92	0.88	0.82	1.45	0.89	0.82	0.82	0.86	1.11	2.30	2.48	1.73	1.11	0.50	0.49	0.48	0.49
115	1.36	1.47	1.49	1.39	1.43	2.14	1.65	1.47	1.33	1.27	1.47	1.54	1.99	2.28	1.56	0.88	0.83	0.86	0.86
120	2.23	2.33	2.38	2.33	2.38	2.32	2.31	2.26	2.24	1.96	2.20	2.27	2.51	2.62	1.69	1.51	1.51	1.54	1.54
125	3.39	3.47	3.60	3.62	3.67	3.66	3.58	3.59	3.52	3.14	3.04	3.04	3.02	2.90	2.57	2.49	2.45	2.55	2.53
130	4.82	4.96	5.14	5.22	5.26	5.33	5.11	5.11	5.06	4.99	4.45	4.21	4.07	3.96	3.84	4.12	3.79	3.89	3.87
135	6.58	6.76	6.96	6.97	7.01	7.40	6.85	6.92	6.93	6.77	6.50	5.97	5.75	5.62	7.26	7.32	6.12	5.44	5.47
140	8.45	8.61	8.75	8.70	8.75	8.83	8.66	8.71	8.47	8.11	8.51	8.40	8.61	9.44	10.3	7.17	8.86	7.29	7.25
145	10.1	10.2	10.3	10.3	10.4	10.4	10.4	10.2	10.1	9.81	9.79	10.2	10.3	10.8	9.11	8.89	8.87	9.02	9.23
150	11.5	11.6	11.7	11.8	11.8	12.0	11.8	11.7	11.6	11.4	11.3	11.1	10.9	10.8	10.6	10.6	10.5	10.7	10.7
155	12.5	12.7	12.7	12.7	12.8	13.0	12.9	12.9	12.9	12.6	12.5	12.5	12.2	12.1	12.0	11.9	12.0	12.1	12.1
160	13.1	13.2	13.1	13.3	13.4	13.5	13.5	13.6	13.6	13.7	13.3	13.7	13.5	13.0	13.0	13.6	13.1	13.6	15.2
165	13.2	13.3	13.2	13.4	13.6	13.8	13.9	14.0	13.9	13.8	13.7	14.0	13.7	13.5	13.4	13.5	13.5	13.8	14.4
170	13.5	13.4	13.4	13.5	13.7	13.8	13.9	14.0	13.9	14.0	14.1	14.1	13.7	13.8	13.8	13.7	13.7	13.8	13.8
175	13.8	13.8	13.9	14.0	14.1	14.1	14.1	14.2	14.3	14.4	14.4	14.4	14.0	14.1	14.2	14.2	14.2	14.1	14.1
180	14.3	14.3	14.4	14.5	14.4	14.4	14.5	14.5	14.5	14.7	14.6	14.6	14.3	14.3	14.4	14.5	14.4	14.4	14.5

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-VF61RA01-15W	TYPE:indoor lights	WEIGHT:1
SPEC.:3000K-CRI90-55D	DIM.:	SERIAL No.:
	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345													
0	1617	1617	1617	1617	1617													
5	1594	1591	1587	1587	1585													
10	1545	1535	1521	1516	1507													
15	1429	1410	1376	1361	1329													
20	1217	1174	1095	1056	1005													
25	869	840	793	766	719													
30	569	542	479	446	392													
35	277	264	238	225	198													
40	118	110	97.2	93.3	82.0													
45	38.3	34.8	29.3	27.2	21.0													
50	3.59	3.00	2.35	2.04	1.45													
55	1.21	1.37	1.44	1.66	1.18													
60	1.00	1.13	1.20	1.30	0.97													
65	0.16	0.16	0.17	0.17	0.18													
70	0.15	0.16	0.16	0.17	0.18													
75	0.15	0.16	0.17	0.18	0.18													
80	0.15	0.17	0.17	0.19	0.18													
85	0.17	0.18	0.17	0.20	0.20													
90	0.17	0.19	0.18	0.21	0.20													
95	0.18	0.21	0.20	0.23	0.22													
100	0.22	0.24	0.24	0.28	0.27													
105	0.30	0.33	0.35	0.40	0.52													
110	0.51	0.55	0.58	0.64	0.71													
115	0.92	0.97	1.06	1.13	1.25													
120	1.63	1.70	1.84	1.93	2.12													
125	2.68	2.77	2.96	3.09	3.31													
130	4.02	4.15	4.40	4.57	4.77													
135	5.64	5.81	6.08	6.27	6.53													
140	7.45	7.60	7.81	8.04	8.38													
145	9.23	9.35	9.57	9.74	10.1													
150	10.9	11.0	11.2	11.3	11.5													
155	12.3	12.3	12.4	12.5	12.6													
160	13.6	13.2	13.2	13.3	13.2													
165	13.8	13.6	13.5	13.5	13.6													
170	13.8	13.8	13.7	13.8	13.8													
175	14.2	14.3	14.3	14.2	14.2													
180	14.4	14.5	14.7	14.6	14.6													

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: