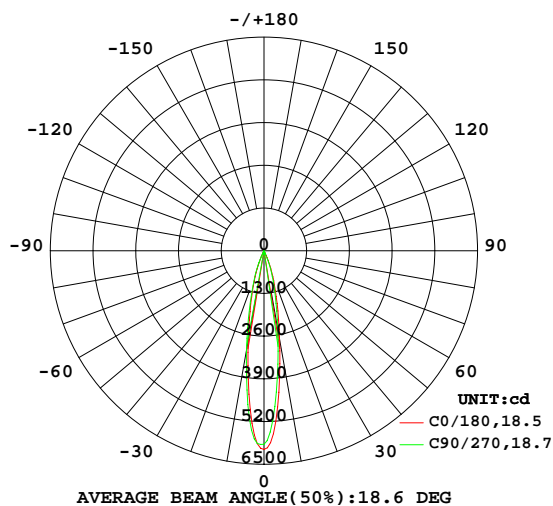


## LUMINAIRE PHOTOMETRIC TEST REPORT

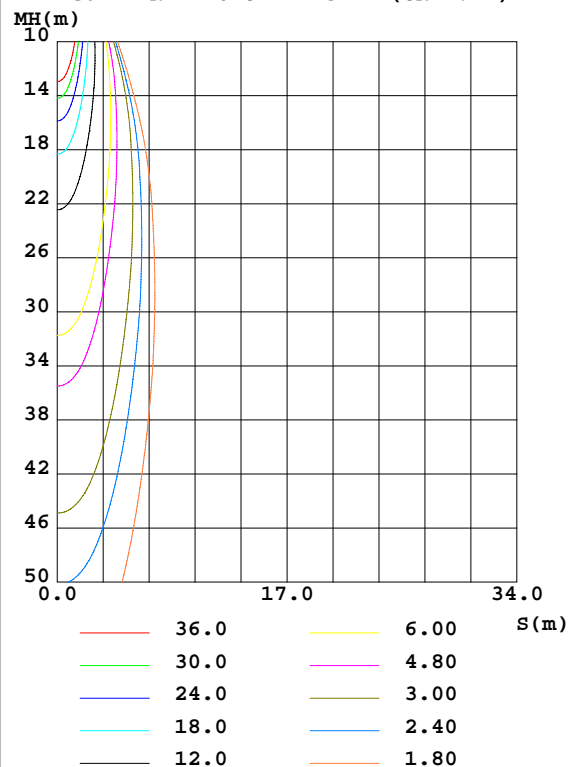
NAME: DL3375 2700K 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 62.50 lm/W			
MODEL	DL3375 Citizen	Imax(cd)	6043	S/MH(C0/180)	0.32
NOMINAL POWER(W)	14.5	LOR(%)	100.0	S/MH(C90/270)	0.35
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	901.17	$\eta$ UP,DN(C0-180)	0.5,46.6
NOMINAL FLUX(lm)	901.166	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.3,52.5
LAMPS INSIDE	1	$\eta$ up(%)	0.9	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220.1	$\eta$ down(%)	99.1	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:huxuanhong  
 Test Date:11 August 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.650m [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	2742	2482	2426	2552	2774	3019	3057	2834	0- 10	383.0	383.0	42.5,42.5
20	697.4	599.6	590.2	654.5	717.2	776.4	771.0	704.1	10- 20	403.1	786.0	87.2,87.2
30	21.04	20.19	20.93	22.48	22.47	23.48	22.49	20.94	20- 30	99.25	885.3	98.2,98.2
40	2.978	2.855	3.027	3.270	3.210	3.377	3.316	3.043	30- 40	6.230	891.5	98.9,98.9
50	0.8094	0.7843	0.8199	0.8522	0.8074	0.7824	0.7503	0.7149	40- 50	1.220	892.7	99.1,99.1
60	0.3958	0.3818	0.3996	0.4279	0.3835	0.3628	0.3448	0.3160	50- 60	0.5081	893.2	99.1,99.1
70	0	0	0	0	0	0	0	0	60- 70	0.1332	893.4	99.1,99.1
80	0	0	0	0	0	0	0	0	70- 80	0	893.4	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	0	893.4	99.1,99.1
100	0	0	0	0	0	0	0	0	90-100	0	893.4	99.1,99.1
110	0	0	0	0	0	0	0	0	100-110	0	893.4	99.1,99.1
120	0	0	0	0	0	0	0	0	110-120	0.0000	893.4	99.1,99.1
130	0.1384	0.1596	0.1490	0.1206	0.0895	0.0752	0.0823	0.0895	120-130	0.0201	893.4	99.1,99.1
140	1.351	1.475	1.464	1.336	1.028	0.9065	0.8956	0.9633	130-140	0.3895	893.8	99.2,99.2
150	4.980	5.219	5.326	4.913	3.583	3.298	3.255	3.362	140-150	1.529	895.3	99.3,99.3
160	9.145	8.833	9.228	8.676	6.387	6.026	6.241	5.916	150-160	2.776	898.1	99.7,99.7
170	11.62	9.699	10.45	10.18	7.034	6.419	6.199	5.970	160-170	2.245	900.3	99.9,99.9
180	9.540	9.455	9.394	9.529	9.544	9.465	9.398	9.519	170-180	0.8389	901.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 892.3 lm

%lum = 99.0%

%lamp = 99.0%

Conical surface Flux(120deg): 893.23 lm

%lum = 99.1%

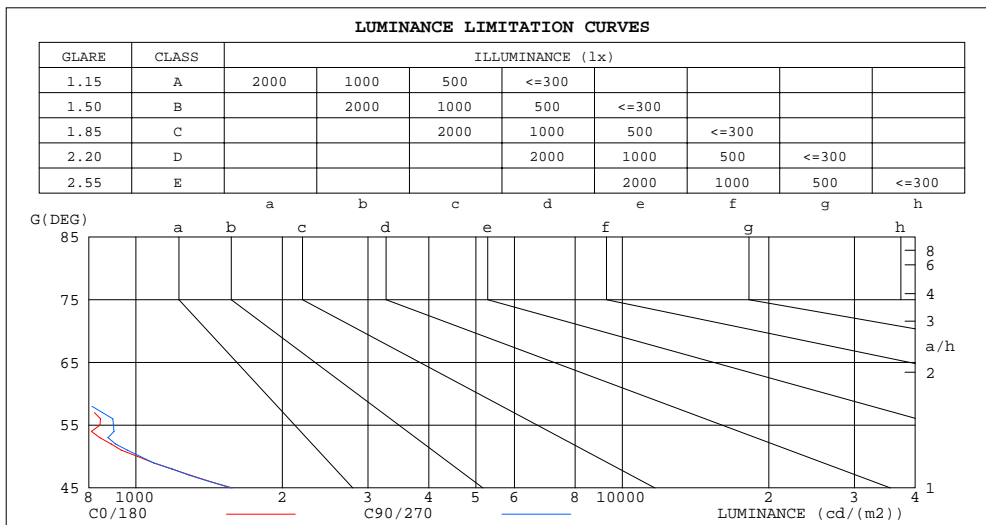
%lamp = 99.1%

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:huxuanhong  
 Test Date:11 August 2020

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity:65.0%  
 Test Distance:7.650m [K=1.0000]  
 Remarks:

### LUMINANCE LIMITATION CURVES

NAME: DL3375 2700K 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	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	284	345
60	633	639
55	844	899
50	1007	1020
45	1578	1570

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: huxuanhong  
 Test Date: 11 August 2020

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.650m [K=1.0000]  
 Remarks:

## WEC AND CCEC

NAME: DL3375 2700K 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.128	.073	.023	.121	.069	.022	.109	.062	.020	.097	.056	.018	.086	.050	.016		
2.0	.118	.064	.020	.112	.062	.019	.101	.056	.018	.092	.051	.016	.083	.047	.015		
3.0	.109	.058	.017	.104	.056	.017	.095	.052	.016	.087	.048	.015	.080	.044	.014		
4.0	.102	.053	.016	.098	.051	.015	.090	.048	.014	.083	.045	.013	.077	.042	.013		
5.0	.095	.049	.014	.092	.047	.014	.086	.045	.013	.080	.042	.012	.074	.040	.012		
6.0	.090	.045	.013	.087	.044	.013	.081	.042	.012	.076	.040	.012	.072	.038	.011		
7.0	.085	.042	.012	.083	.041	.012	.078	.039	.011	.073	.038	.011	.069	.036	.011		
8.0	.081	.040	.011	.079	.039	.011	.075	.037	.011	.071	.036	.010	.067	.034	.010		
9.0	.077	.037	.010	.075	.037	.010	.072	.035	.010	.068	.034	.010	.065	.033	.010		
10.0	.074	.035	.010	.072	.035	.010	.069	.034	.010	.066	.033	.009	.063	.032	.009		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.197	.197	.197	.168	.168	.168	.115	.115	.115	.066	.066	.066	.021	.021	.021	
1.0	.174	.164	.155	.149	.141	.134	.102	.097	.092	.059	.056	.054	.019	.018	.017	
2.0	.156	.139	.126	.133	.120	.109	.091	.083	.076	.053	.048	.044	.017	.016	.014	
3.0	.140	.120	.104	.120	.103	.090	.083	.072	.063	.048	.042	.037	.015	.014	.012	
4.0	.127	.104	.087	.109	.090	.076	.075	.063	.053	.043	.037	.032	.014	.012	.010	
5.0	.116	.092	.074	.100	.080	.064	.069	.056	.045	.040	.033	.027	.013	.011	.009	
6.0	.107	.082	.064	.092	.071	.056	.064	.050	.039	.037	.029	.023	.012	.010	.008	
7.0	.099	.074	.056	.085	.064	.048	.059	.045	.034	.034	.026	.020	.011	.009	.007	
8.0	.093	.067	.049	.080	.058	.043	.055	.041	.030	.032	.024	.018	.010	.008	.006	
9.0	.087	.061	.043	.075	.053	.038	.052	.037	.027	.030	.022	.016	.010	.007	.005	
10.0	.082	.056	.039	.070	.049	.034	.049	.034	.024	.029	.020	.014	.009	.007	.005	

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:huxuanhong

Test Date:11 August 2020

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:7.650m [K=1.0000]

Remarks:

## UGR(Unified Glare Rating) Table

NAME: DL3375 2700K 15W					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.: VJC Lighting					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					-0.4	0.2	-0.2	0.4	0.5	-0.5	0.1	-0.3	0.3	0.4
3H					-0.5	0.0	-0.3	0.2	0.4	-0.6	-0.1	-0.4	0.1	0.3
4H					-0.6	-0.1	-0.3	0.1	0.4	-0.7	-0.2	-0.4	0.1	0.3
6H					-0.7	-0.2	-0.4	0.1	0.3	-0.8	-0.3	-0.5	-0.0	0.2
8H					-0.7	-0.2	-0.4	0.0	0.3	-0.8	-0.3	-0.5	-0.1	0.2
12H					-0.8	-0.3	-0.5	-0.0	0.2	-0.9	-0.4	-0.5	-0.1	0.1
4H 2H					-0.6	-0.0	-0.3	0.2	0.4	-0.6	-0.1	-0.4	0.1	0.3
3H					-0.7	-0.3	-0.4	0.0	0.3	-0.8	-0.4	-0.5	-0.1	0.2
4H					-0.8	-0.4	-0.5	-0.1	0.2	-0.9	-0.5	-0.6	-0.2	0.1
6H					-0.9	-0.5	-0.5	-0.2	0.1	-1.0	-0.6	-0.6	-0.3	0.1
8H					-1.0	-0.6	-0.6	-0.3	0.1	-1.1	-0.7	-0.7	-0.4	0.0
12H					-1.0	-0.7	-0.6	-0.3	0.1	-1.1	-0.8	-0.7	-0.4	-0.0
8H 4H					-1.0	-0.6	-0.6	-0.3	0.1	-1.1	-0.7	-0.7	-0.4	0.0
6H					-1.1	-0.8	-0.7	-0.4	0.0	-1.2	-0.9	-0.8	-0.5	-0.1
8H					-1.2	-0.9	-0.7	-0.5	-0.0	-1.3	-1.0	-0.8	-0.6	-0.1
12H					-1.2	-1.0	-0.8	-0.6	-0.1	-1.3	-1.1	-0.8	-0.6	-0.2
12H 4H					-1.0	-0.7	-0.6	-0.3	0.1	-1.1	-0.8	-0.7	-0.4	-0.0
6H					-1.2	-0.9	-0.7	-0.5	-0.0	-1.3	-1.0	-0.8	-0.6	-0.1
8H					-1.2	-1.0	-0.8	-0.6	-0.1	-1.3	-1.1	-0.8	-0.6	-0.2
Variations with the observer position at spacings:														
S = 1.0H					+ 3.7 / - 5.5					+ 3.6 / - 5.3				
1.5H					+ 5.8 / - 4.2					+ 5.7 / - 4.1				
2.0H					+ 3.4 / - 5.1					+ 3.3 / - 4.9				

CIE Pub.117, 901.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.4)

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:huxuanhong

Test Date:11 August 2020

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:7.650m [K=1.0000]

Remarks:

### UTILIZATION FACTORS TABLE

NAME: DL3375 2700K 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

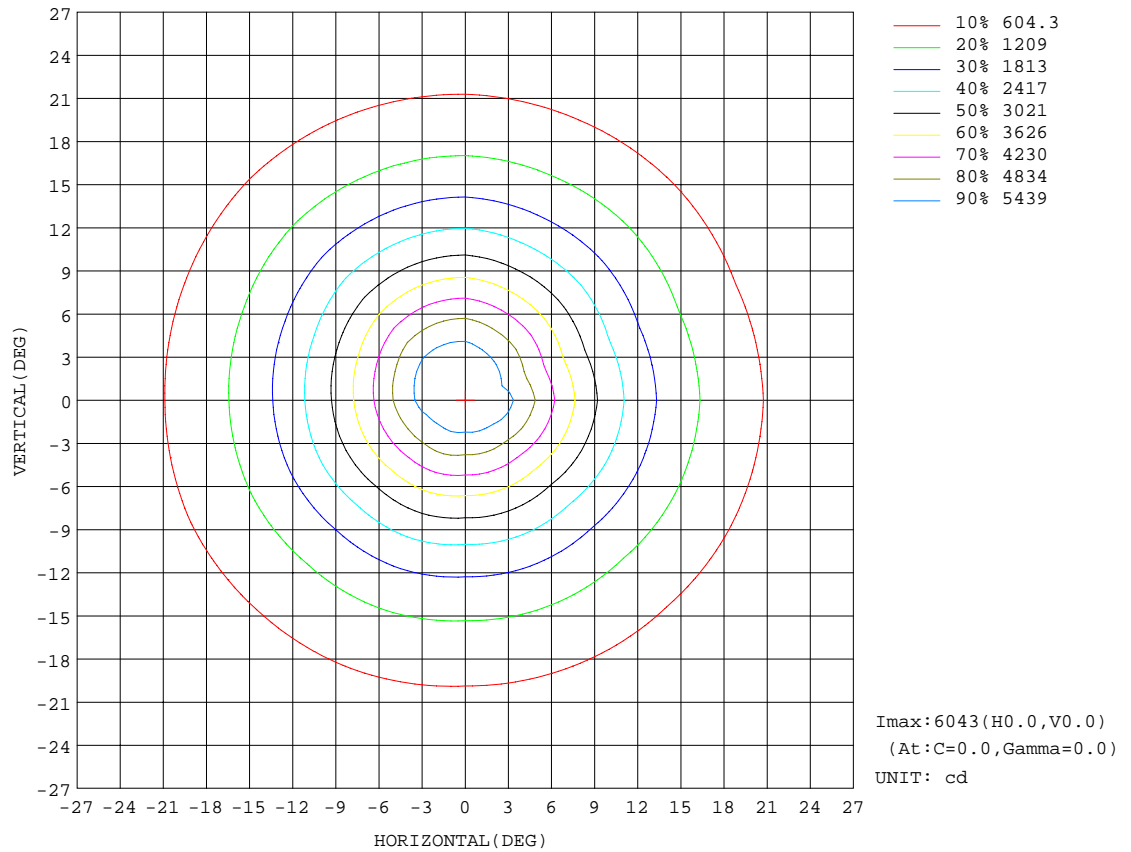
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	102	97	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	99	96	92
1.50	107	103	100	106	102	100	104	101	99	94
2.00	110	106	103	108	105	102	105	103	101	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	109	107	106	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										
SHRNOM = 1.25										

C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:huxuanhong  
Test Date:11 August 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.650m [K=1.0000]  
Remarks:

ISOCANDELA DIAGRAM

NAME: DL3375 2700K 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

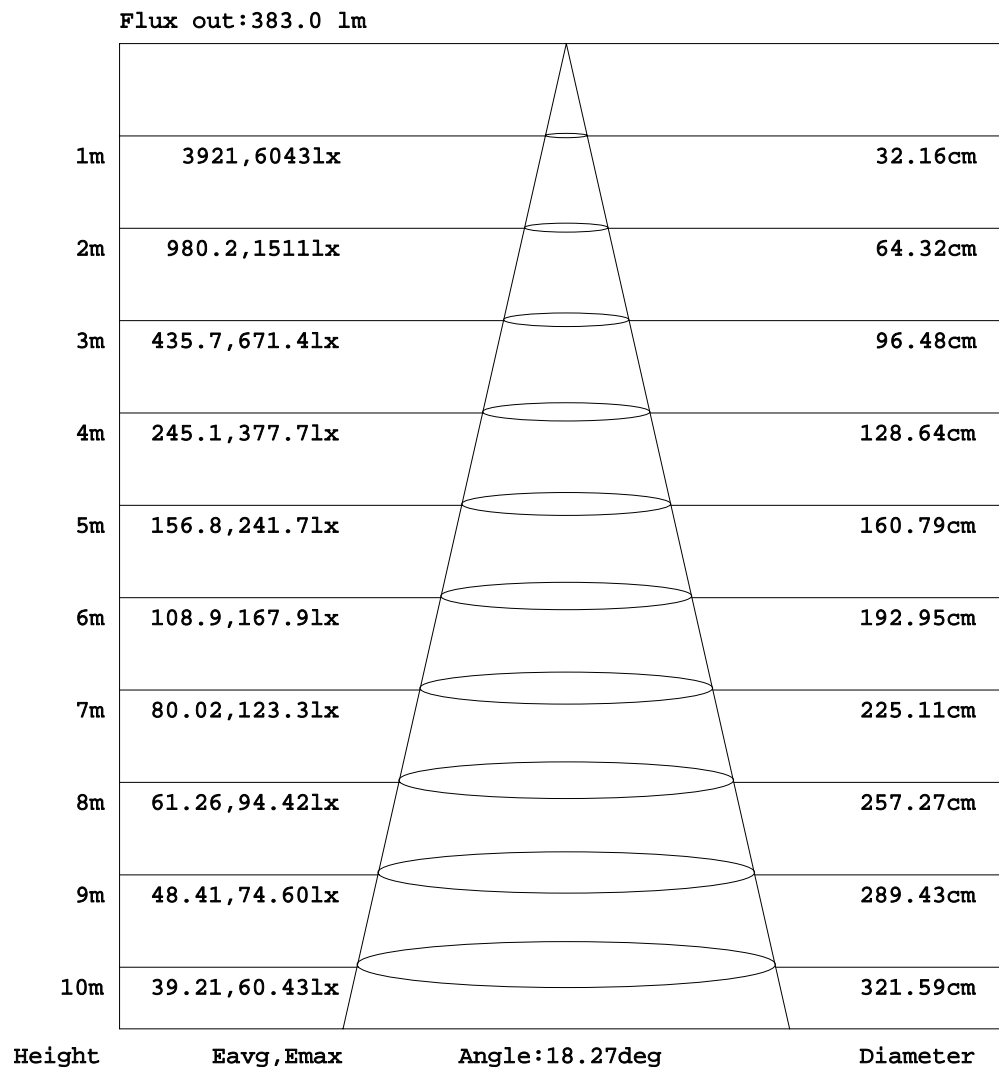


C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:huxuanhong  
Test Date:11 August 2020

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity:65.0%  
Test Distance:7.650m [K=1.0000]  
Remarks:

### AAI Figure

NAME: DL3375 2700K 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:



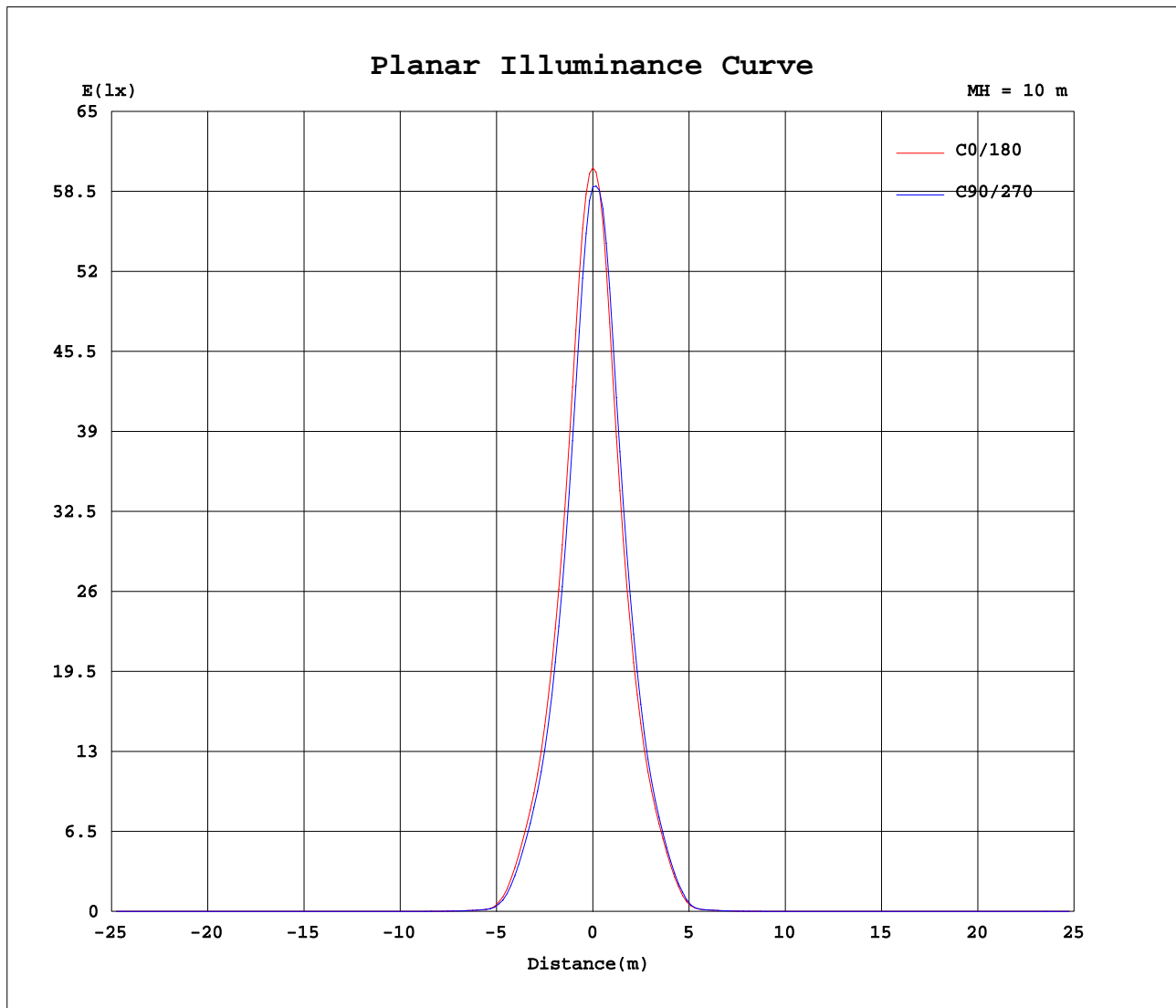
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
 C Interval: 22.5DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: huxuanhong  
 Test Date: 11 August 2020

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
 Humidity: 65.0%  
 Test Distance: 7.650m [K=1.0000]  
 Remarks:



## Planar Illuminance Curve



C Range: 0 - 360DEG  
C Interval: 22.5DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: huxuanhong  
Test Date: 11 August 2020

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362  
Humidity: 65.0%  
Test Distance: 7.650m [K=1.0000]  
Remarks:

## LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: DL3375 2700K 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C(DEC)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
γ (DEC)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	6043	5999	5956	5922	5887	5862	5837	5818	6043	5999	5956	5922	5887	5862	5837	5818			
5	4779	4594	4402	4345	4318	4411	4486	4637	4839	4956	5129	5127	5125	4958	4835	4623			
10	2742	2624	2482	2465	2426	2514	2552	2678	2774	2874	3019	3048	3057	2925	2834	2670			
15	1446	1374	1291	1278	1263	1310	1338	1416	1461	1508	1592	1603	1606	1532	1487	1398			
20	697	653	600	593	590	629	655	701	717	739	776	776	771	729	704	655			
25	160	144	124	122	124	145	156	181	174	192	222	211	212	177	161	137			
30	21.0	20.9	20.2	20.5	20.9	22.3	22.5	23.6	22.5	22.7	23.5	22.7	22.5	21.4	20.9	20.0			
35	9.00	8.64	8.25	8.29	8.52	9.23	9.59	10.0	9.54	9.82	10.4	10.3	10.2	9.67	9.33	8.74			
40	2.98	2.95	2.86	2.95	3.03	3.19	3.27	3.45	3.21	3.32	3.38	3.36	3.32	3.13	3.04	2.93			
45	1.39	1.35	1.33	1.33	1.39	1.42	1.47	1.52	1.46	1.51	1.49	1.47	1.48	1.42	1.36	1.32			
50	0.81	0.76	0.78	0.77	0.82	0.81	0.85	0.84	0.81	0.82	0.78	0.78	0.75	0.75	0.71	0.74			
55	0.61	0.58	0.62	0.61	0.64	0.62	0.64	0.61	0.57	0.56	0.50	0.51	0.50	0.51	0.49	0.53			
60	0.40	0.36	0.38	0.35	0.40	0.38	0.43	0.40	0.38	0.40	0.36	0.39	0.34	0.36	0.32	0.35			
65	0.15	0.12	0.16	0.13	0.18	0.16	0.19	0.16	0.13	0.16	0.12	0.14	0.10	0.11	0.07	0.11			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
125	0.00	0.03	0.00	0.03	0.00	0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00			
130	0.14	0.17	0.16	0.18	0.15	0.15	0.12	0.13	0.09	0.06	0.08	0.05	0.08	0.06	0.09	0.08			
135	0.54	0.57	0.59	0.61	0.58	0.55	0.51	0.49	0.40	0.35	0.34	0.31	0.34	0.34	0.38	0.39			
140	1.35	1.42	1.48	1.49	1.46	1.40	1.34	1.26	1.03	0.95	0.91	0.87	0.90	0.91	0.96	1.00			
145	2.79	2.89	3.01	3.02	3.02	2.88	2.78	2.63	2.05	1.95	1.85	1.81	1.82	1.86	1.92	1.99			
150	4.98	5.09	5.22	5.29	5.33	5.09	4.91	4.70	3.58	3.44	3.30	3.25	3.26	3.32	3.36	3.46			
155	7.39	7.40	7.42	7.62	7.80	7.47	7.16	7.03	5.28	5.09	4.97	5.03	5.08	5.06	4.97	5.03			
160	9.15	8.92	8.83	9.02	9.23	8.91	8.68	8.69	6.39	6.04	6.03	6.14	6.24	6.07	5.92	5.85			
165	10.4	9.69	9.18	9.43	9.69	9.40	9.28	9.68	6.85	6.32	6.21	6.44	6.58	6.27	5.91	5.98			
170	11.6	11.4	9.70	10.0	10.4	10.0	10.2	10.7	7.03	6.73	6.42	6.27	6.20	5.93	5.97	6.56			
175	11.6	10.8	10.0	10.2	10.3	10.0	10.4	10.5	7.58	7.45	7.36	7.12	6.81	6.84	7.06	7.38			
180	9.54	8.88	9.45	8.82	9.39	8.87	9.53	9.00	9.54	8.80	9.47	8.74	9.40	8.81	9.52	8.94			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: huxuanhong

Test Date: 11 August 2020

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.362

Humidity: 65.0%

Test Distance: 7.650m [K=1.0000]

Remarks: