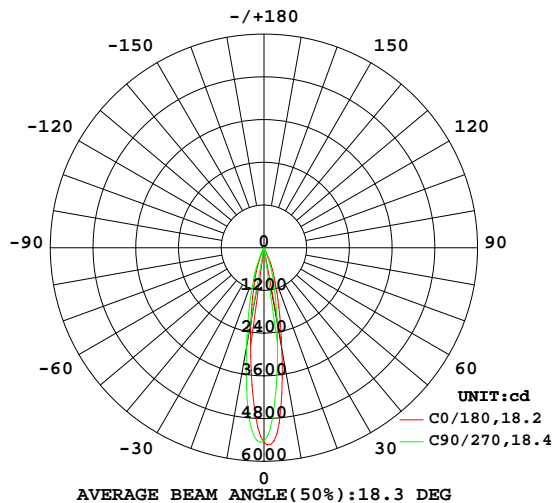


LUMINAIRE PHOTOMETRIC TEST REPORT

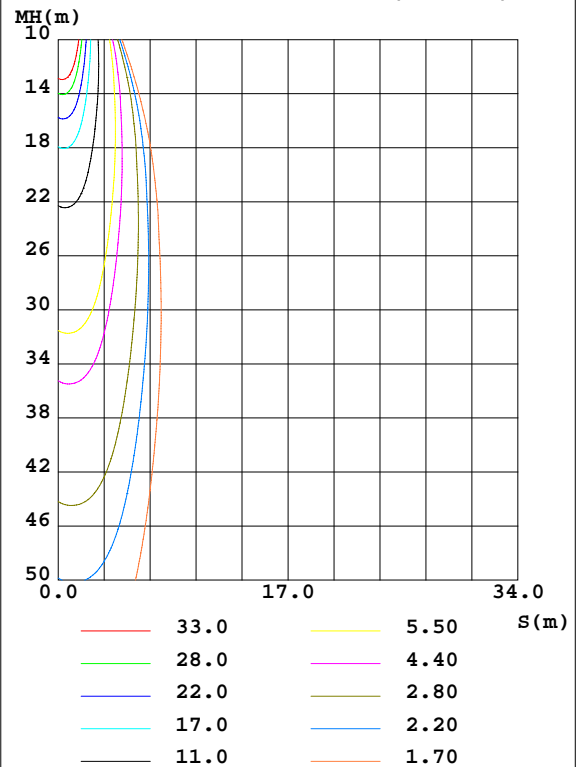
NAME: DL3375 2700K 15W	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 61.69 lm/W
MODEL	DL3375 Xicato XOB	Imax(cd)	5539	S/MH(C0/180)	0.27	
NOMINAL POWER(W)	13.5	LOR(%)	100.0	S/MH(C90/270)	0.35	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	814.81	η UP,DN(C0-180)	0.5,47.0	
NOMINAL FLUX(lm)	814.81	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,52.1	
LAMPS INSIDE	1	η up(%)	0.9	CIBSE SHR NOM	0.00	
TEST VOLTAGE(V)	220.1	η 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

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	2898	2397	2144	2116	2118	2562	2837	2793	0- 10	351.3	351.3	43.1,43.1
20	762.5	585.8	494.1	486.2	471.3	627.7	737.8	733.0	10- 20	361.1	712.4	87.4,87.4
30	28.33	19.98	16.01	15.14	14.80	17.79	20.74	22.69	20- 30	87.90	800.3	98.2,98.2
40	4.225	3.340	2.794	2.594	2.407	2.883	3.501	3.700	30- 40	5.591	805.9	98.9,98.9
50	1.045	0.9092	0.8521	0.7879	0.7044	0.7434	0.8394	0.9068	40- 50	1.278	807.2	99.1,99.1
60	0.5310	0.4528	0.3498	0.2964	0.2345	0.3053	0.3768	0.4161	50- 60	0.5247	807.7	99.1,99.1
70	0.0005	0	0	0	0	0	0	0	60- 70	0.1340	807.8	99.1,99.1
80	0	0	0	0	0	0	0	0	70- 80	0.0000	807.8	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	0	807.8	99.1,99.1
100	0	0	0	0	0	0	0	0	90-100	0	807.8	99.1,99.1
110	0	0	0	0	0	0	0	0	100-110	0	807.8	99.1,99.1
120	0	0	0	0	0	0	0	0	110-120	0	807.8	99.1,99.1
130	0.0531	0.0992	0.1454	0.1525	0.1323	0.0787	0.0501	0.0396	120-130	0.0152	807.8	99.1,99.1
140	0.9346	1.194	1.372	1.354	1.106	0.8707	0.7494	0.7387	130-140	0.3423	808.2	99.2,99.2
150	3.860	4.461	4.956	4.785	3.650	3.145	2.860	2.810	140-150	1.371	809.5	99.4,99.4
160	7.820	7.864	8.388	8.064	5.916	5.488	5.535	5.261	150-160	2.503	812.1	99.7,99.7
170	9.651	8.737	9.591	9.370	6.332	5.842	5.509	5.321	160-170	2.009	814.1	99.9,99.9
180	8.778	8.497	8.319	8.358	8.771	8.507	8.287	8.361	170-180	0.7493	814.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 806.71 lm

%lum = 99.0%

%lamp = 99.0%

Conical surface Flux(120deg): 807.69 lm

%lum = 99.1%

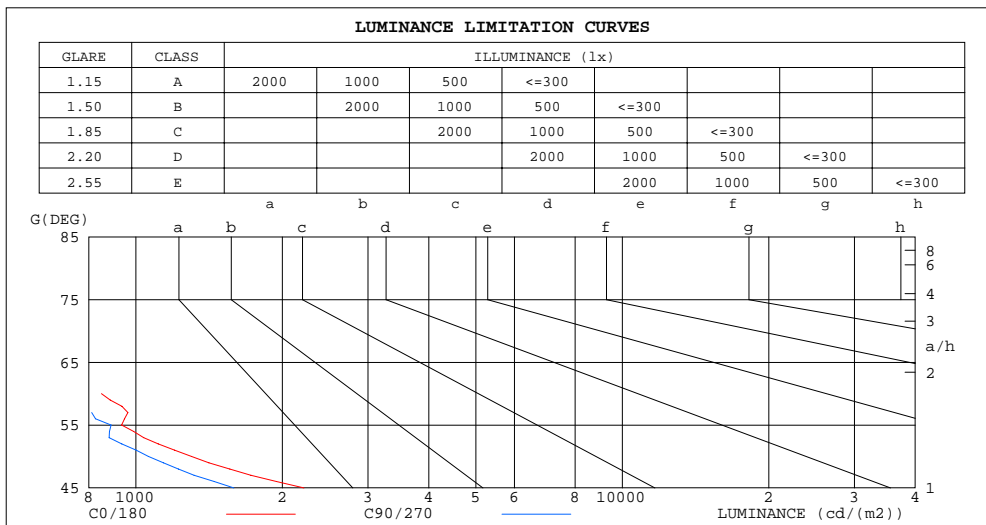
%lamp = 99.1%

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	1	0
65	446	251
60	850	560
55	935	889
50	1300	1061
45	2216	1590

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	.108	.062	.020	.096	.056	.018	.086	.050	.016		
2.0	.117	.064	.020	.112	.062	.019	.101	.056	.017	.091	.051	.016	.082	.047	.015		
3.0	.109	.058	.017	.104	.056	.017	.095	.052	.016	.087	.048	.015	.079	.044	.014		
4.0	.101	.053	.015	.097	.051	.015	.090	.048	.014	.083	.045	.013	.076	.042	.013		
5.0	.095	.048	.014	.091	.047	.014	.085	.044	.013	.079	.042	.012	.074	.039	.012		
6.0	.089	.045	.013	.087	.044	.013	.081	.042	.012	.076	.039	.012	.071	.037	.011		
7.0	.085	.042	.012	.082	.041	.012	.077	.039	.011	.073	.037	.011	.069	.036	.011		
8.0	.081	.039	.011	.078	.039	.011	.074	.037	.011	.070	.036	.010	.067	.034	.010		
9.0	.077	.037	.010	.075	.036	.010	.071	.035	.010	.068	.034	.010	.064	.033	.009		
10.0	.073	.035	.010	.072	.035	.010	.069	.034	.009	.065	.032	.009	.063	.031	.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	.082	.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	.063	.050	.039	.037	.029	.023	.012	.010	.008	
7.0	.099	.073	.056	.085	.064	.048	.059	.045	.034	.034	.026	.020	.011	.009	.007	
8.0	.092	.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	.028	.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					1.6	2.2	1.8	2.3	2.5	-0.3	0.2	-0.1	0.4	0.6
3H					1.5	2.0	1.7	2.2	2.4	-0.5	0.1	-0.2	0.3	0.5
4H					1.4	1.9	1.7	2.1	2.3	-0.6	-0.0	-0.3	0.2	0.4
6H					1.3	1.8	1.6	2.0	2.3	-0.6	-0.2	-0.4	0.1	0.3
8H					1.3	1.7	1.6	2.0	2.3	-0.7	-0.2	-0.4	0.0	0.3
12H					1.2	1.7	1.5	1.9	2.2	-0.7	-0.3	-0.4	-0.0	0.3
4H 2H					1.4	1.9	1.7	2.1	2.4	-0.5	0.0	-0.2	0.3	0.5
3H					1.3	1.7	1.6	2.0	2.3	-0.7	-0.2	-0.3	0.1	0.4
4H					1.2	1.6	1.5	1.9	2.2	-0.8	-0.3	-0.4	-0.0	0.3
6H					1.1	1.4	1.4	1.8	2.1	-0.9	-0.5	-0.5	-0.1	0.2
8H					1.0	1.3	1.4	1.7	2.1	-0.9	-0.6	-0.5	-0.2	0.2
12H					0.9	1.3	1.4	1.6	2.0	-1.0	-0.6	-0.6	-0.3	0.1
8H 4H					1.0	1.3	1.4	1.7	2.1	-0.9	-0.6	-0.5	-0.2	0.2
6H					0.9	1.2	1.3	1.6	2.0	-1.0	-0.7	-0.6	-0.3	0.1
8H					0.8	1.1	1.3	1.5	2.0	-1.1	-0.8	-0.6	-0.4	0.0
12H					0.7	1.0	1.2	1.4	1.9	-1.2	-0.9	-0.7	-0.5	-0.0
12H 4H					0.9	1.3	1.4	1.6	2.0	-1.0	-0.6	-0.6	-0.3	0.1
6H					0.8	1.1	1.3	1.5	2.0	-1.1	-0.8	-0.6	-0.4	0.0
8H					0.7	1.0	1.2	1.4	1.9	-1.2	-0.9	-0.7	-0.5	-0.0
Variations with the observer position at spacings:														
S = 1.0H					+ 3.9 / - 6.2					+ 2.7 / - 5.0				
1.5H					+ 6.1 / - 5.0					+ 4.5 / - 3.4				
2.0H					+ 4.2 / - 4.4					+ 3.1 / - 4.4				

CIE Pub.117, 814.8 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = -0.7$)

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:

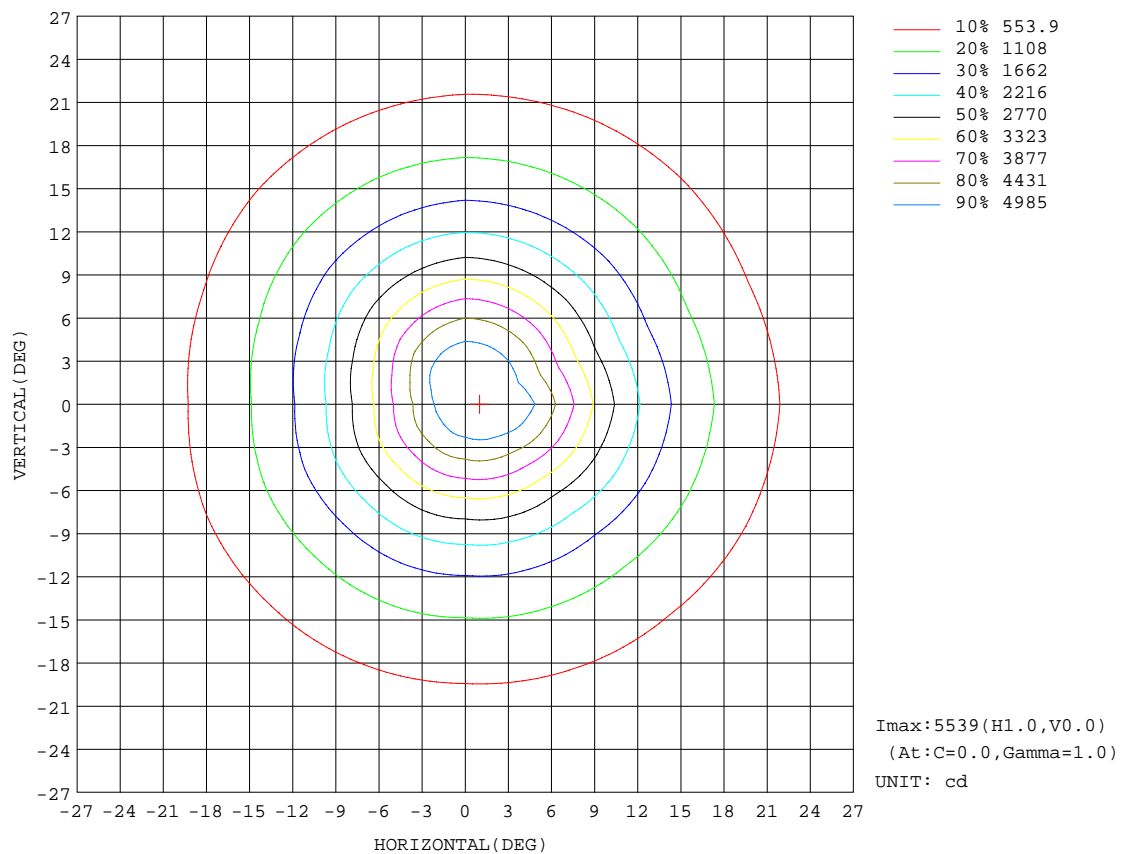
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	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

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:

ISOCANDELA DIAGRAM

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

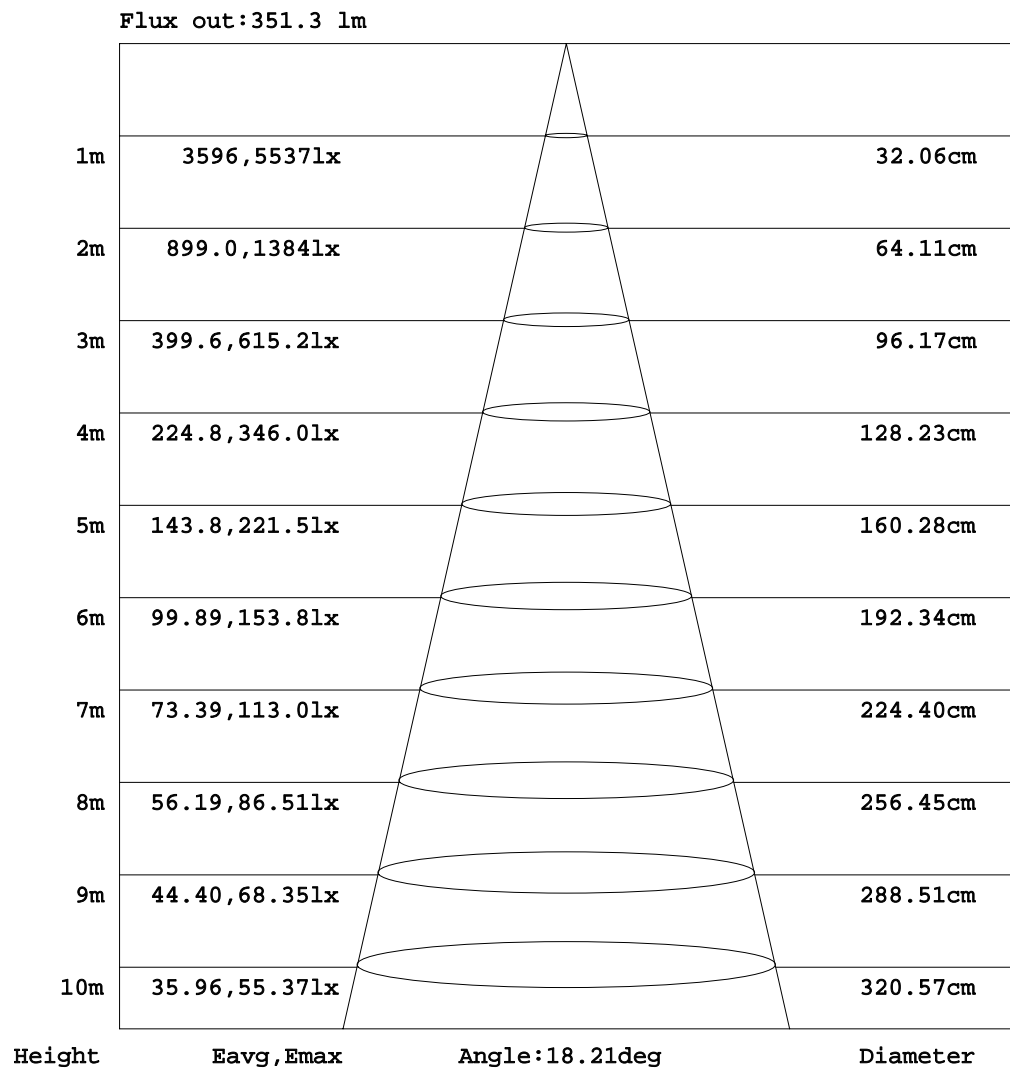


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: huxuanhong
 Test Date: 11 August 2020

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:

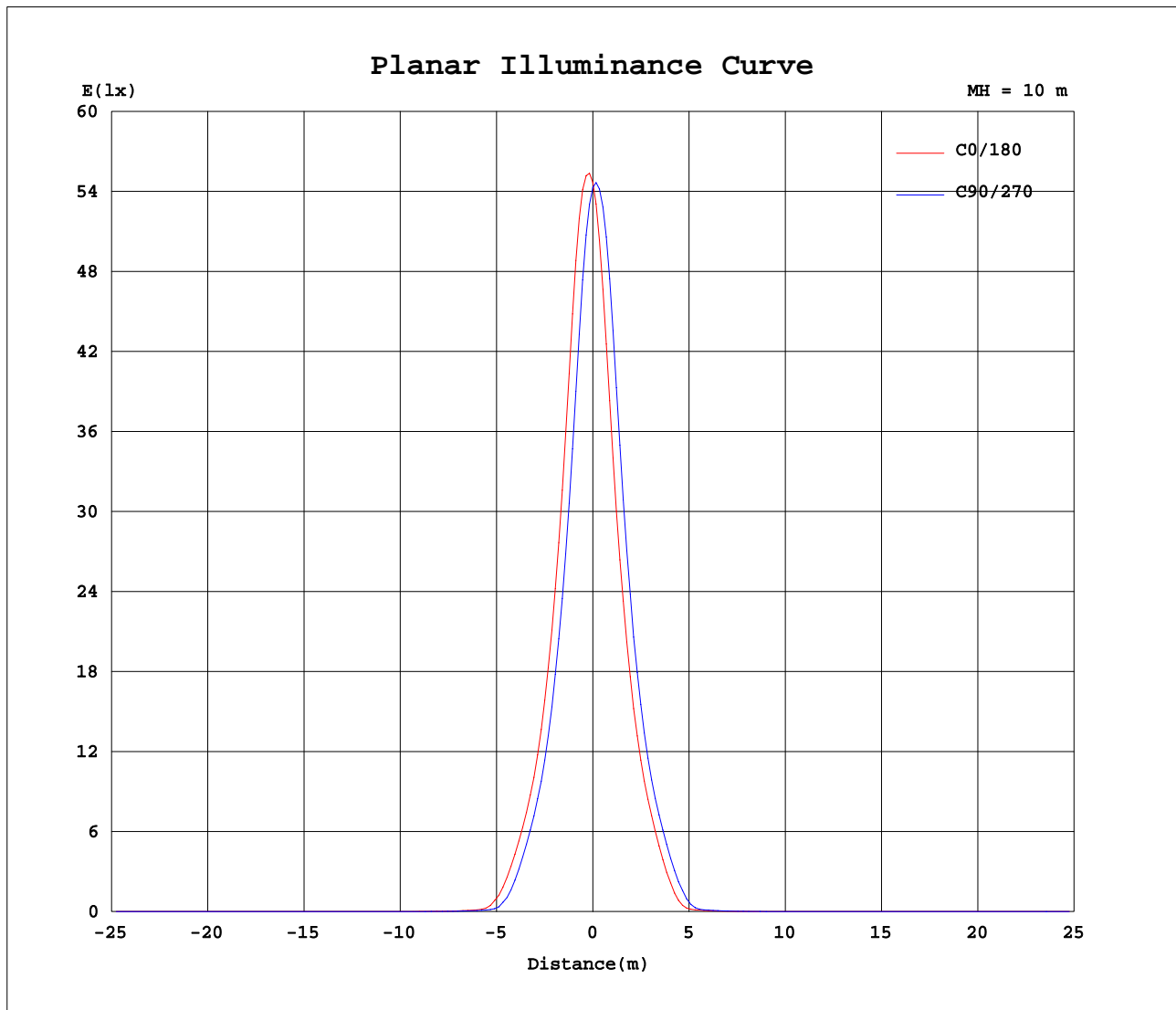


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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:

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(DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	5466	5464	5467	5454	5431	5409	5376	5347	5466	5464	5467	5454	5431	5409	5376	5347			
5	4939	4659	4309	4102	3946	3905	3877	3903	3875	4087	4448	4648	4801	4787	4763	4647			
10	2898	2679	2397	2255	2144	2133	2116	2159	2118	2282	2562	2708	2837	2815	2793	2697			
15	1516	1384	1221	1146	1085	1087	1084	1111	1086	1173	1325	1414	1486	1474	1460	1400			
20	763	685	586	537	494	491	486	502	471	528	628	688	738	738	733	698			
25	248	202	136	107	95.4	80.5	85.5	81.1	64.1	95.9	130	169	213	214	226	207			
30	28.3	24.6	20.0	17.6	16.0	15.6	15.1	15.4	14.8	16.1	17.8	19.2	20.7	21.8	22.7	23.3			
35	11.5	10.3	8.67	7.81	7.02	6.74	6.49	6.55	6.01	6.64	7.67	8.77	9.36	9.74	10.1	10.1			
40	4.22	3.84	3.34	3.06	2.79	2.71	2.59	2.56	2.41	2.59	2.88	3.19	3.50	3.61	3.70	3.75			
45	1.96	1.79	1.58	1.47	1.41	1.35	1.32	1.26	1.21	1.28	1.38	1.51	1.62	1.70	1.72	1.74			
50	1.04	0.96	0.91	0.85	0.85	0.79	0.79	0.73	0.70	0.73	0.74	0.82	0.84	0.92	0.91	0.93			
55	0.67	0.63	0.65	0.62	0.64	0.59	0.59	0.54	0.51	0.54	0.52	0.51	0.51	0.58	0.55	0.60			
60	0.53	0.47	0.45	0.37	0.35	0.29	0.30	0.25	0.23	0.27	0.31	0.37	0.38	0.43	0.42	0.46			
65	0.24	0.19	0.20	0.15	0.13	0.06	0.06	0.02	0.00	0.05	0.06	0.12	0.10	0.16	0.15	0.20			
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	0.00	0.00	0.01	0.00	0.02	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
130	0.05	0.09	0.10	0.15	0.15	0.17	0.15	0.16	0.13	0.08	0.08	0.04	0.05	0.02	0.04	0.02			
135	0.33	0.40	0.46	0.52	0.56	0.57	0.55	0.54	0.47	0.39	0.34	0.27	0.26	0.24	0.26	0.25			
140	0.93	1.04	1.19	1.31	1.37	1.38	1.35	1.32	1.11	0.98	0.87	0.77	0.75	0.73	0.74	0.74			
145	2.07	2.24	2.52	2.67	2.81	2.79	2.76	2.67	2.14	1.96	1.77	1.63	1.57	1.54	1.55	1.57			
150	3.86	4.10	4.46	4.70	4.96	4.89	4.79	4.68	3.65	3.41	3.14	2.97	2.86	2.83	2.81	2.84			
155	6.08	6.25	6.52	6.84	7.18	7.02	6.81	6.75	5.10	4.83	4.64	4.56	4.49	4.40	4.28	4.30			
160	7.82	7.75	7.86	8.09	8.39	8.21	8.06	8.13	5.92	5.53	5.49	5.50	5.54	5.36	5.26	5.18			
165	8.84	8.49	8.25	8.45	8.70	8.61	8.46	8.91	6.22	5.69	5.54	5.67	5.71	5.51	5.28	5.34			
170	9.65	9.52	8.74	9.10	9.59	9.31	9.37	9.69	6.33	6.15	5.84	5.62	5.51	5.28	5.32	5.71			
175	10.3	9.66	9.14	9.10	9.29	9.05	9.26	9.15	6.77	6.67	6.64	6.38	6.05	6.03	6.26	6.48			
180	8.78	8.08	8.50	7.82	8.32	7.80	8.36	7.91	8.77	8.00	8.51	7.77	8.29	7.75	8.36	7.86			

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: