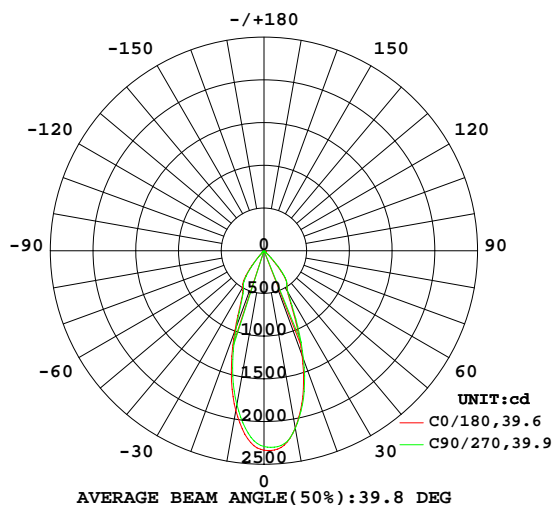


LUMINAIRE PHOTOMETRIC TEST REPORT

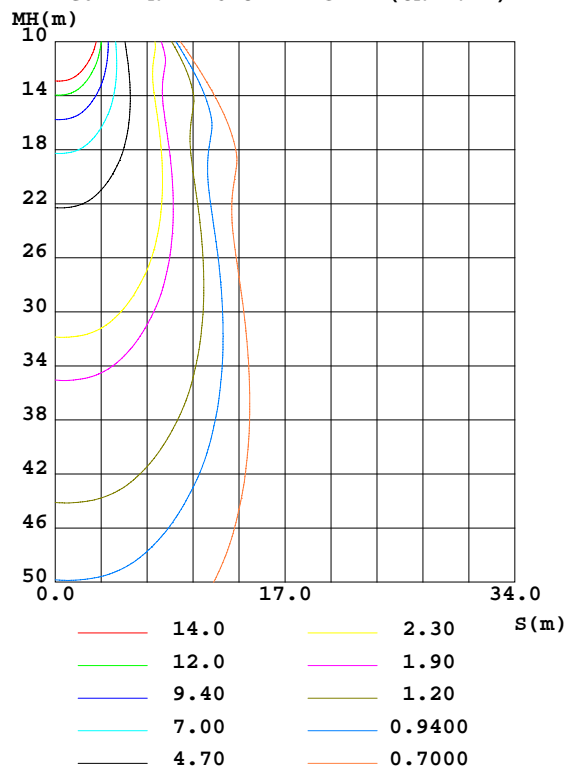
NAME: DL3360 2700K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 101.84 lm/W			
MODEL	DL3360 2700K 36D	Imax(cd)	2339	S/MH(C0/180)	0.60
NOMINAL POWER(W)	15	LOR(%)	100.0	S/MH(C90/270)	0.59
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1349.9	η UP,DN(C0-180)	0.4,54.9
NOMINAL FLUX(lm)	1349.9	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,44.3
LAMPS INSIDE	1	η up(%)	0.8	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	η down(%)	99.2	CIBSE SHR MAX	0.60

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:23 March 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	2107	2163	2112	1984	1898	1819	1828	1931	0- 10	204.5	204.5	15.1,15.1
20	1306	1413	1355	1160	996.2	908.4	946.6	1103	10- 20	437.9	642.4	47.6,47.6
30	551.7	585.8	563.0	517.1	495.0	481.1	481.6	501.9	20- 30	346.9	989.4	73.3,73.3
40	311.1	355.0	334.4	260.6	179.1	138.9	154.0	225.2	30- 40	252.8	1242	92,92
50	26.00	29.54	27.31	21.90	20.61	19.10	19.92	21.39	40- 50	69.37	1312	97.2,97.2
60	13.28	13.85	13.45	11.57	10.38	9.442	9.951	11.17	50- 60	14.79	1326	98.3,98.3
70	5.667	6.132	5.900	4.799	4.259	3.864	3.985	4.446	60- 70	7.844	1334	98.8,98.8
80	2.266	3.414	3.112	3.164	1.976	2.158	2.509	2.594	70- 80	3.995	1338	99.1,99.1
90	0.0072	0.0036	0.0107	0.0036	0.0036	0.0000	0	0	80- 90	0.8930	1339	99.2,99.2
100	0.0248	0.0106	0.0213	0.0178	0.0250	0.0250	0.0285	0.0143	90-100	0.0114	1339	99.2,99.2
110	0.0889	0.0569	0.0711	0.0994	0.1107	0.1285	0.1284	0.0856	100-110	0.0497	1339	99.2,99.2
120	0.4907	0.4052	0.4409	0.5228	0.5347	0.5702	0.5489	0.4563	110-120	0.2594	1339	99.2,99.2
130	1.366	1.213	1.280	1.458	1.177	1.284	1.212	1.002	120-130	0.7313	1340	99.3,99.3
140	3.440	2.981	3.156	3.480	2.822	2.968	3.008	2.427	130-140	1.562	1342	99.4,99.4
150	5.610	5.257	5.386	5.784	4.500	4.899	4.624	4.176	140-150	2.488	1344	99.6,99.6
160	7.775	7.234	8.053	7.665	6.295	6.375	7.238	5.685	150-160	2.743	1347	99.8,99.8
170	9.876	9.281	9.572	9.293	7.601	7.683	7.741	6.939	160-170	2.154	1349	99.9,99.9
180	9.255	9.412	9.009	8.878	9.280	9.426	9.013	8.874	170-180	0.8360	1350	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1296.4 lm

%lum = 96.0%

%lamp = 96.0%

Conical surface Flux(120deg): 1326.3 lm

%lum = 98.3%

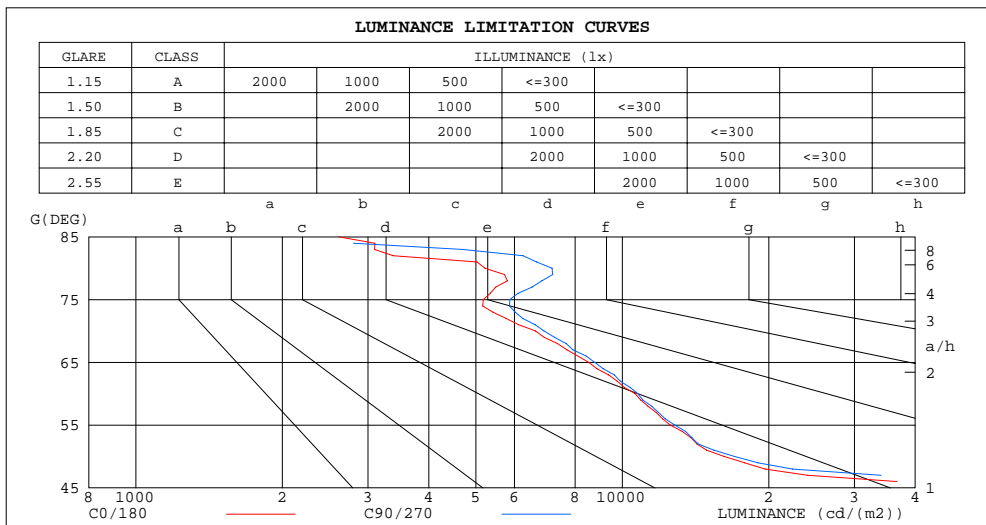
%lamp = 98.3%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:huxuanhong
 Test Date:23 March 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: DL3360 2700K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	2612	250
80	5220	7169
75	5177	5871
70	6628	6900
65	8532	8771
60	10627	10760
55	12541	12816
50	16178	16995
45	53683	68856

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: huxuanhong
Test Date: 23 March 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: DL3360 2700K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.173	.098	.031	.166	.095	.030	.153	.088	.028	.141	.081	.026	.130	.075	.024		
2.0	.165	.090	.028	.159	.088	.027	.148	.082	.026	.138	.077	.024	.129	.073	.023		
3.0	.156	.083	.025	.152	.081	.024	.142	.077	.023	.133	.073	.022	.125	.069	.021		
4.0	.149	.077	.023	.144	.076	.022	.136	.072	.022	.129	.069	.021	.122	.066	.020		
5.0	.141	.072	.021	.138	.071	.021	.130	.068	.020	.124	.065	.019	.118	.063	.019		
6.0	.135	.067	.019	.131	.066	.019	.125	.064	.019	.119	.062	.018	.114	.060	.018		
7.0	.128	.063	.018	.126	.063	.018	.120	.061	.017	.115	.059	.017	.110	.057	.017		
8.0	.123	.060	.017	.120	.059	.017	.115	.058	.016	.111	.056	.016	.106	.055	.016		
9.0	.118	.057	.016	.115	.056	.016	.111	.055	.016	.107	.053	.015	.103	.052	.015		
10.0	.113	.054	.015	.111	.053	.015	.107	.052	.015	.103	.051	.015	.099	.050	.014		

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	.177	.164	.151	.151	.140	.130	.104	.097	.090	.060	.056	.052	.019	.018	.017	
2.0	.162	.139	.120	.138	.119	.103	.095	.083	.072	.055	.048	.042	.018	.016	.014	
3.0	.149	.120	.097	.128	.103	.084	.088	.072	.059	.051	.042	.035	.016	.014	.011	
4.0	.138	.105	.080	.119	.091	.069	.082	.063	.049	.047	.037	.029	.015	.012	.009	
5.0	.129	.093	.067	.111	.081	.058	.077	.056	.041	.044	.033	.024	.014	.011	.008	
6.0	.122	.084	.057	.105	.073	.049	.072	.051	.035	.042	.030	.021	.014	.010	.007	
7.0	.115	.076	.049	.099	.066	.043	.068	.046	.030	.040	.027	.018	.013	.009	.006	
8.0	.109	.070	.043	.094	.061	.038	.065	.043	.027	.038	.025	.016	.012	.008	.005	
9.0	.104	.065	.038	.090	.056	.033	.062	.040	.024	.036	.023	.014	.012	.008	.005	
10.0	.100	.060	.034	.086	.052	.030	.060	.037	.021	.035	.022	.013	.011	.007	.004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:huxuanhong
Test Date:23 March 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: DL3360 2700K 36D					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					22.2	23.1	22.4	23.3	23.5	22.4	23.3	22.6	23.5	23.7
3H					22.1	22.9	22.3	23.1	23.3	22.3	23.1	22.5	23.3	23.5
4H					22.0	22.8	22.3	23.0	23.3	22.2	23.0	22.5	23.2	23.5
6H					21.9	22.7	22.2	22.9	23.2	22.1	22.9	22.5	23.1	23.4
8H					21.9	22.6	22.2	22.9	23.1	22.1	22.8	22.4	23.1	23.4
12H					21.8	22.5	22.2	22.8	23.1	22.1	22.7	22.4	23.0	23.3
4H 2H					22.0	22.8	22.3	23.0	23.2	22.2	23.0	22.5	23.2	23.4
3H					21.9	22.5	22.2	22.8	23.1	22.1	22.7	22.4	23.0	23.3
4H					21.8	22.4	22.1	22.7	23.0	22.0	22.6	22.4	22.9	23.2
6H					21.7	22.3	22.1	22.6	23.0	21.9	22.5	22.3	22.8	23.2
8H					21.7	22.2	22.1	22.6	22.9	21.9	22.4	22.3	22.8	23.2
12H					21.7	22.1	22.1	22.5	22.9	21.9	22.3	22.3	22.7	23.1
8H 4H					21.7	22.2	22.1	22.5	22.9	21.9	22.4	22.3	22.7	23.1
6H					21.6	22.0	22.1	22.4	22.9	21.8	22.2	22.3	22.6	23.1
8H					21.6	22.0	22.1	22.4	22.9	21.8	22.2	22.3	22.6	23.1
12H					21.6	21.9	22.0	22.3	22.8	21.7	22.1	22.2	22.5	23.0
12H 4H					21.6	22.1	22.0	22.5	22.9	21.8	22.3	22.2	22.7	23.1
6H					21.6	21.9	22.0	22.4	22.8	21.8	22.1	22.2	22.6	23.0
8H					21.6	21.9	22.0	22.3	22.8	21.8	22.1	22.2	22.5	23.0
Variations with the observer position at spacings:														
S = 1.0H					+ 2.5 / - 8.8					+ 2.5 / - 8.8				
1.5H					+ 4.9 / - 8.2					+ 4.8 / - 8.4				
2.0H					+ 5.4 / - 2.3					+ 6.3 / - 2.9				

CIE Pub.117, 1350 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.0$)

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature: 25.3DEG

Operators: huxuanhong

Test Date: 23 March 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: DL3360 2700K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

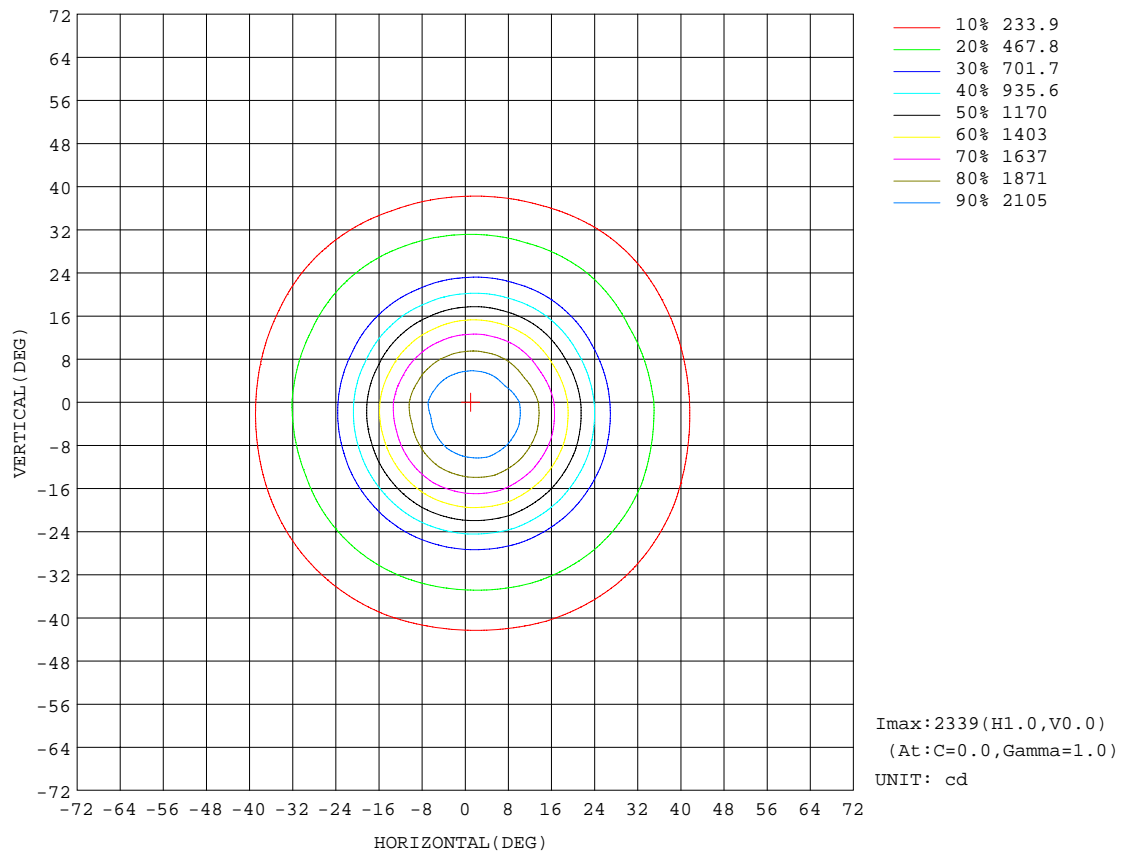
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	87	80	76	86	80	76	85	80	76	72
0.80	94	88	84	93	88	84	92	87	84	80
1.00	99	93	89	98	92	89	96	92	88	84
1.25	103	97	94	102	97	93	100	96	93	88
1.50	105	101	97	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	94
3.00	111	108	105	110	107	104	106	104	102	95
4.00	113	111	108	111	109	107	108	106	104	97
5.00	115	112	111	113	111	109	108	107	106	98
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:huxuanhong
Test Date:23 March 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: DL3360 2700K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

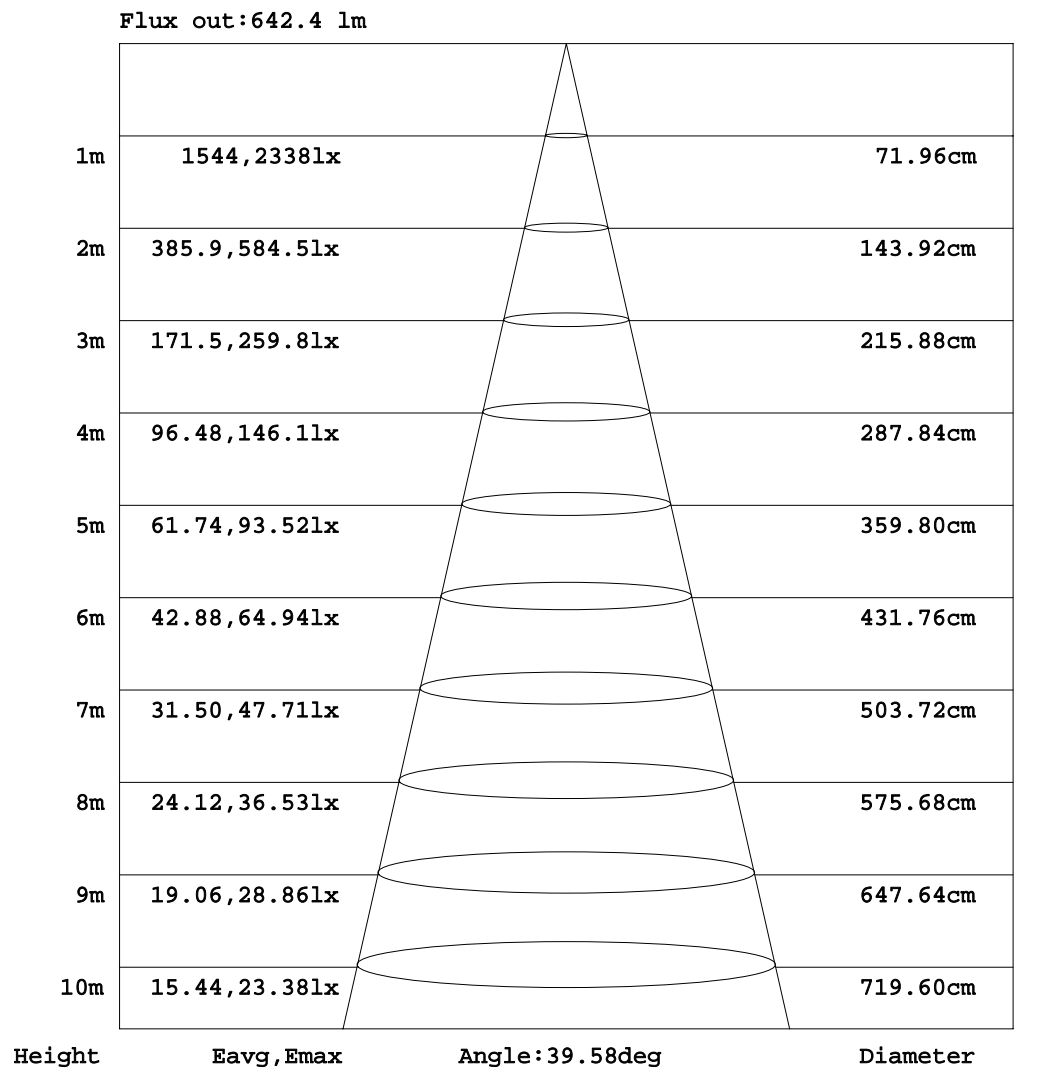


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: huxuanhong
 Test Date: 23 March 2020

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: DL3360 2700K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

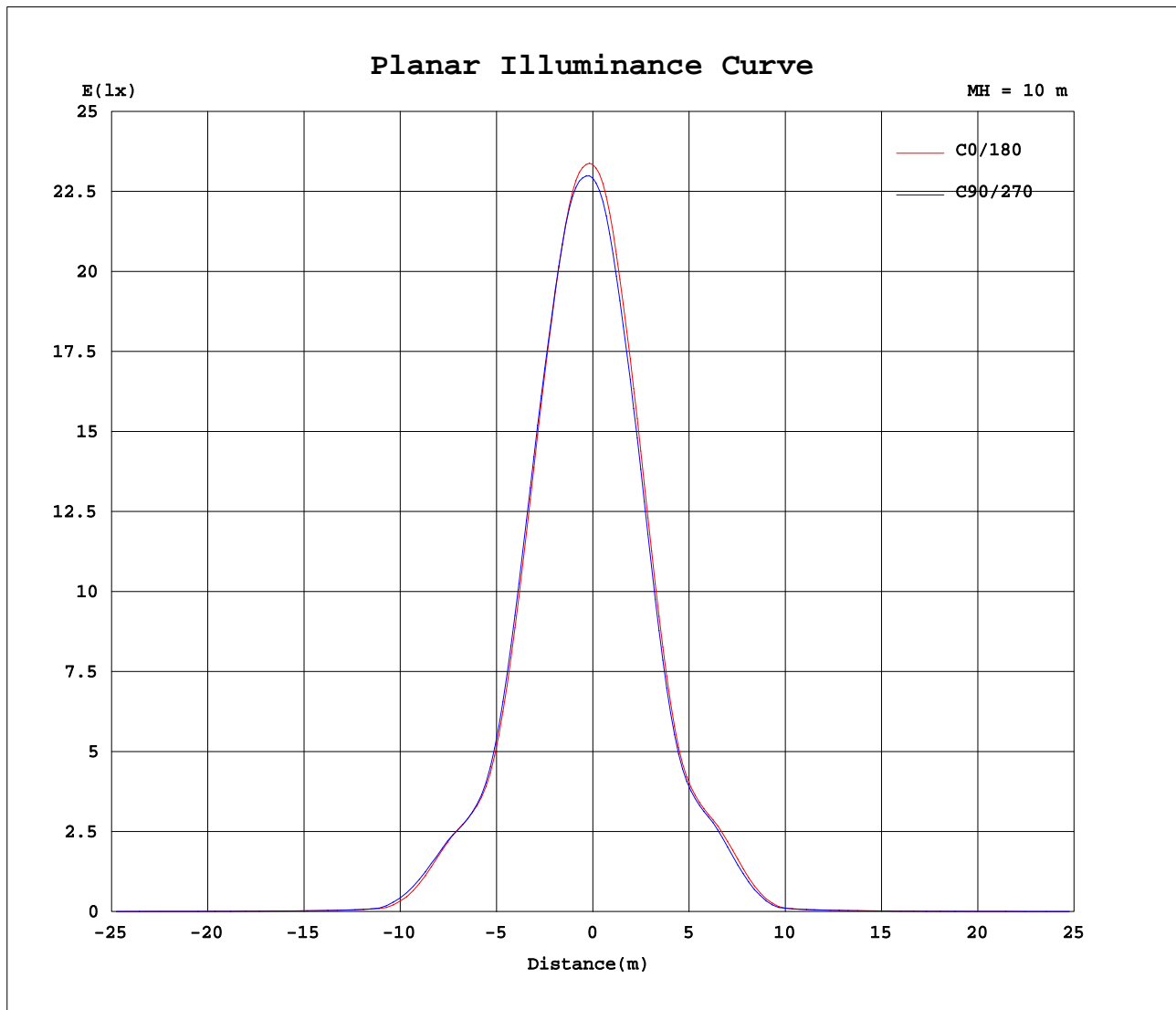


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: huxuanhong
 Test Date: 23 March 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: 23 March 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: DL3360 2700K 36D	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	2334	2323	2313	2304	2291	2286	2281	2276	2334	2323	2313	2304	2291	2286	2281	2276			
5	2310	2320	2319	2315	2289	2265	2227	2190	2208	2167	2148	2137	2142	2164	2196	2222			
10	2107	2150	2163	2158	2112	2057	1984	1916	1898	1842	1819	1810	1828	1869	1931	1989			
15	1762	1824	1848	1842	1788	1719	1624	1534	1482	1409	1384	1381	1422	1479	1562	1635			
20	1306	1382	1413	1412	1355	1272	1160	1064	996	928	908	907	947	1010	1103	1185			
25	840	909	934	935	882	813	724	660	620	589	582	581	599	630	687	748			
30	552	577	586	585	563	541	517	499	495	484	481	479	482	487	502	518			
35	468	477	477	474	465	457	441	418	399	369	355	351	367	388	422	443			
40	311	347	355	354	334	306	261	221	179	148	139	139	154	182	225	260			
45	94.9	122	139	141	122	97.6	61.6	40.7	31.6	28.8	28.5	28.6	30.4	32.3	43.8	61.3			
50	26.0	28.5	29.5	29.6	27.3	25.0	21.9	20.7	20.6	19.7	19.1	19.3	19.9	20.5	21.4	22.9			
55	18.0	19.1	19.3	19.4	18.4	17.3	16.2	15.3	14.7	13.9	13.7	13.8	14.1	14.9	15.7	16.6			
60	13.3	13.8	13.8	13.9	13.5	12.7	11.6	10.9	10.4	9.63	9.44	9.56	9.95	10.5	11.2	12.0			
65	9.01	9.50	9.61	9.68	9.27	8.68	7.69	7.25	6.79	6.18	6.04	6.11	6.41	6.83	7.29	8.06			
70	5.67	6.05	6.13	6.21	5.90	5.50	4.80	4.51	4.26	3.96	3.86	3.93	3.99	4.13	4.45	5.02			
75	3.35	3.71	3.85	3.90	3.80	3.86	3.93	4.06	3.93	3.80	3.66	3.74	3.73	3.58	3.33	3.38			
80	2.27	3.41	3.41	3.05	3.11	3.13	3.16	3.08	1.98	2.13	2.16	2.31	2.51	2.42	2.59	3.00			
85	0.57	1.42	0.71	0.10	0.05	0.01	0.19	0.97	0.23	0.26	0.03	0.04	0.01	0.03	0.09	1.01			
90	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01			
95	0.01	0.02	0.00	0.02	0.01	0.02	0.00	0.03	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00			
100	0.02	0.04	0.01	0.04	0.02	0.04	0.02	0.05	0.03	0.00	0.03	0.00	0.03	0.00	0.01	0.00			
105	0.05	0.06	0.03	0.05	0.05	0.06	0.04	0.06	0.05	0.03	0.05	0.03	0.05	0.02	0.04	0.01			
110	0.09	0.09	0.06	0.09	0.07	0.10	0.10	0.14	0.11	0.10	0.13	0.11	0.13	0.08	0.09	0.05			
115	0.22	0.21	0.17	0.20	0.20	0.24	0.25	0.32	0.28	0.29	0.32	0.31	0.31	0.25	0.22	0.17			
120	0.49	0.45	0.41	0.43	0.44	0.50	0.52	0.61	0.53	0.54	0.57	0.54	0.55	0.49	0.46	0.39			
125	0.85	0.80	0.74	0.77	0.79	0.85	0.90	1.01	0.79	0.79	0.83	0.80	0.79	0.72	0.69	0.62			
130	1.37	1.28	1.21	1.22	1.28	1.36	1.46	1.61	1.18	1.24	1.28	1.26	1.21	1.09	1.00	0.90			
135	2.19	2.01	1.92	1.94	2.04	2.16	2.34	2.58	1.93	2.00	2.07	2.02	1.98	1.76	1.59	1.42			
140	3.44	3.11	2.98	3.00	3.16	3.23	3.48	3.78	2.82	2.88	2.97	2.92	3.01	2.65	2.43	2.22			
145	4.61	4.31	4.04	4.17	4.40	4.44	4.54	4.96	3.61	3.74	3.86	3.81	3.91	3.47	3.27	3.05			
150	5.61	5.28	5.26	5.12	5.39	5.44	5.78	5.99	4.50	4.57	4.90	4.72	4.62	4.32	4.18	3.76			
155	6.72	6.43	6.33	6.40	6.64	6.70	6.89	7.13	5.42	5.37	5.80	5.78	5.73	5.30	5.00	4.48			
160	7.78	7.34	7.23	7.43	8.05	7.75	7.67	7.86	6.29	6.13	6.37	6.70	7.24	6.26	5.68	5.29			
165	8.55	8.31	8.11	8.35	9.00	8.58	8.30	8.57	6.98	6.86	6.79	7.14	7.70	6.76	6.18	6.07			
170	9.88	9.56	9.28	9.50	9.57	9.60	9.29	9.67	7.60	7.86	7.68	7.72	7.74	7.36	6.94	7.04			
175	9.83	9.70	9.78	9.46	9.33	9.37	9.60	9.52	8.30	8.46	8.53	8.28	8.03	7.90	7.75	7.64			
180	9.26	9.18	9.41	9.01	9.01	8.76	8.88	8.51	9.28	9.13	9.43	8.97	9.01	8.73	8.87	8.47			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:huxuanhong

Test Date:23 March 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: