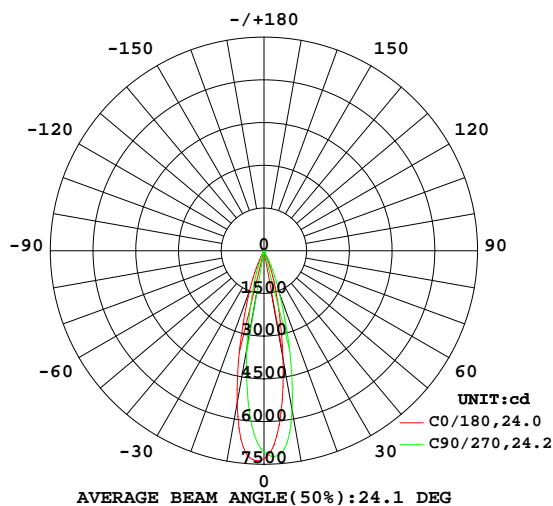


LUMINAIRE PHOTOMETRIC TEST REPORT

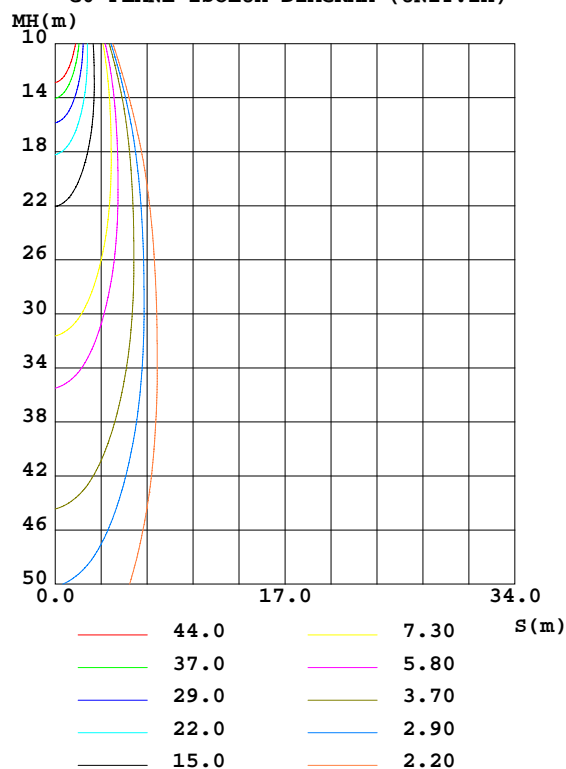
NAME: DL3380 2700K 30d	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.87 lm/W			
MODEL	DL3375 2700K 30d	Imax(cd)	7383	S/MH(C0/180)	0.45
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH(C90/270)	0.34
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1456.7	η UP,DN(C0-180)	0.5,58.4
NOMINAL FLUX(lm)	1456.73	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,40.7
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	3868	4791	5683	6050	5440	4241	3491	3206	0- 10	556.3	556.3	38.2,38.2
20	761.0	1172	1607	1830	1463	947.9	616.0	502.2	10- 20	690.4	1247	85.6,85.6
30	27.03	44.89	91.15	118.0	59.68	33.28	24.52	21.55	20- 30	179.1	1426	97.9,97.9
40	5.099	7.539	10.25	11.10	8.871	6.086	4.685	4.071	30- 40	12.61	1438	98.7,98.7
50	1.650	1.925	2.353	2.517	2.198	1.796	1.555	1.452	40- 50	2.861	1441	98.9,98.9
60	1.079	1.104	1.183	1.193	1.142	1.036	1.021	0.9505	50- 60	1.245	1443	99,99
70	0.6270	0.6629	0.7626	0.8160	0.7187	0.6125	0.6097	0.6123	60- 70	0.8708	1443	99.1,99.1
80	0.3671	0.3990	0.4811	0.4916	0.4518	0.3486	0.2951	0.2489	70- 80	0.5745	1444	99.1,99.1
90	0.0072	0	0.0179	0.0003	0	0	0	0	80- 90	0.1720	1444	99.1,99.1
100	0.0036	0	0	0	0.0106	0.0035	0	0.0000	90-100	0.0011	1444	99.1,99.1
110	0.0142	0.0071	0.0071	0.0036	0.0142	0.0107	0.0107	0.0107	100-110	0.0067	1444	99.1,99.1
120	0.0284	0.0213	0.0178	0.0107	0.0214	0.0215	0.0285	0.0286	110-120	0.0155	1444	99.1,99.1
130	0.4013	0.2094	0.1136	0.0957	0.1073	0.2109	0.3466	0.4287	120-130	0.0706	1444	99.1,99.1
140	2.883	1.965	1.436	1.247	1.296	1.838	2.415	2.700	130-140	0.6748	1445	99.2,99.2
150	9.247	7.290	6.129	5.613	5.024	6.024	7.068	7.209	140-150	2.490	1447	99.4,99.4
160	15.76	13.59	12.96	12.24	9.754	9.952	10.76	9.939	150-160	4.291	1452	99.7,99.7
170	19.83	16.90	18.07	16.65	11.83	11.06	10.85	9.884	160-170	3.665	1455	99.9,99.9
180	14.44	14.93	15.39	15.16	14.51	15.01	15.42	15.18	170-180	1.371	1457	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1440.3 lm

%lum = 98.9%

%lamp = 98.9%

Conical surface Flux(120deg): 1442.5 lm

%lum = 99.0%

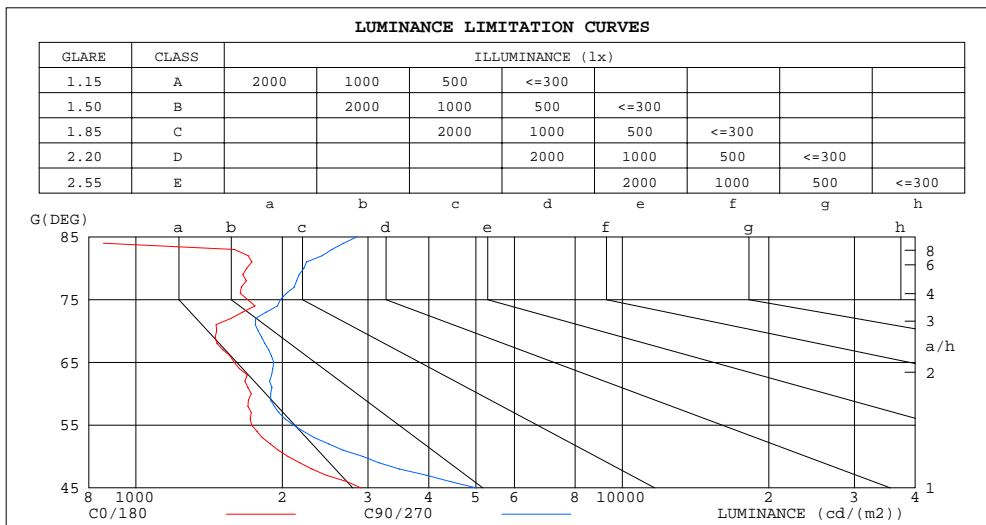
%lamp = 99.0%

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: DL3380 2700K 30d	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	206	2848
80	1691	2217
75	1697	1982
70	1467	1784
65	1592	1922
60	1727	1892
55	1729	2108
50	2054	2929
45	2905	5010

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: DL3380 2700K 30d	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	.132	.075	.024	.125	.071	.023	.112	.064	.021	.100	.058	.019	.089	.052	.017		
2.0	.121	.066	.020	.116	.064	.020	.105	.058	.018	.095	.053	.017	.086	.049	.015		
3.0	.112	.060	.018	.108	.058	.017	.099	.054	.016	.091	.050	.015	.083	.046	.014		
4.0	.105	.055	.016	.101	.053	.016	.094	.050	.015	.087	.046	.014	.080	.044	.013		
5.0	.099	.050	.015	.095	.049	.014	.089	.046	.014	.083	.044	.013	.077	.041	.012		
6.0	.093	.047	.013	.090	.046	.013	.085	.043	.013	.080	.041	.012	.075	.039	.012		
7.0	.088	.044	.012	.086	.043	.012	.081	.041	.012	.076	.039	.011	.072	.038	.011		
8.0	.084	.041	.012	.082	.040	.011	.078	.039	.011	.074	.037	.011	.070	.036	.010		
9.0	.080	.039	.011	.078	.038	.011	.075	.037	.010	.071	.036	.010	.068	.034	.010		
10.0	.077	.037	.010	.075	.036	.010	.072	.035	.010	.069	.034	.010	.066	.033	.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	.175	.164	.155	.149	.141	.133	.102	.097	.092	.059	.056	.054	.019	.018	.017		
2.0	.156	.139	.125	.134	.120	.108	.092	.083	.076	.053	.048	.044	.017	.016	.014		
3.0	.141	.120	.103	.121	.103	.090	.083	.072	.063	.048	.042	.037	.015	.014	.012		
4.0	.128	.105	.087	.110	.090	.075	.076	.063	.053	.044	.037	.031	.014	.012	.010		
5.0	.117	.092	.074	.101	.080	.064	.069	.056	.045	.040	.033	.027	.013	.011	.009		
6.0	.108	.082	.063	.093	.071	.055	.064	.050	.039	.037	.029	.023	.012	.010	.008		
7.0	.101	.074	.055	.086	.064	.048	.060	.045	.034	.035	.026	.020	.011	.009	.007		
8.0	.094	.067	.048	.081	.058	.042	.056	.041	.030	.033	.024	.018	.011	.008	.006		
9.0	.088	.061	.043	.076	.053	.038	.053	.037	.027	.031	.022	.016	.010	.007	.005		
10.0	.083	.056	.039	.072	.049	.034	.050	.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: DL3380 2700K 30d					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					0.3	0.9	0.5	1.0	1.2	3.3	3.9	3.5	4.1	4.2
3H					0.5	1.1	0.8	1.3	1.5	3.4	4.0	3.7	4.2	4.4
4H					0.8	1.3	1.0	1.5	1.8	3.5	4.1	3.8	4.3	4.5
6H					1.0	1.5	1.3	1.8	2.0	3.7	4.2	4.0	4.4	4.7
8H					1.1	1.6	1.4	1.9	2.1	3.8	4.3	4.1	4.5	4.8
12H					1.1	1.6	1.4	1.9	2.1	3.8	4.3	4.2	4.6	4.9
4H 2H					0.3	0.8	0.6	1.1	1.3	3.2	3.7	3.5	4.0	4.2
3H					0.7	1.2	1.0	1.5	1.7	3.4	3.9	3.7	4.1	4.4
4H					1.1	1.5	1.4	1.8	2.1	3.6	4.0	3.9	4.3	4.6
6H					1.4	1.8	1.8	2.2	2.5	3.8	4.2	4.2	4.5	4.9
8H					1.6	2.0	2.0	2.3	2.7	4.0	4.3	4.4	4.7	5.1
12H					1.6	1.9	2.0	2.3	2.7	4.1	4.4	4.5	4.8	5.2
8H 4H					1.2	1.6	1.6	1.9	2.3	3.6	3.9	4.0	4.3	4.7
6H					1.7	2.0	2.1	2.4	2.8	3.9	4.2	4.3	4.6	5.0
8H					1.9	2.2	2.4	2.6	3.1	4.1	4.4	4.5	4.8	5.2
12H					1.9	2.2	2.4	2.6	3.1	4.3	4.6	4.8	5.0	5.5
12H 4H					1.2	1.5	1.6	1.9	2.3	3.5	3.9	3.9	4.2	4.6
6H					1.7	2.0	2.2	2.4	2.9	3.9	4.1	4.3	4.6	5.0
8H					2.0	2.2	2.5	2.7	3.2	4.1	4.3	4.6	4.8	5.3
Variations with the observer position at spacings:														
S = 1.0H					+ 1.0 / - 1.1					+ 2.4 / - 2.0				
1.5H					+ 2.1 / - 1.1					+ 4.4 / - 2.0				
2.0H					+ 0.7 / - 0.5					+ 1.8 / - 0.6				

CIE Pub.117, 1457 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.3$)

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: DL3380 2700K 30d	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

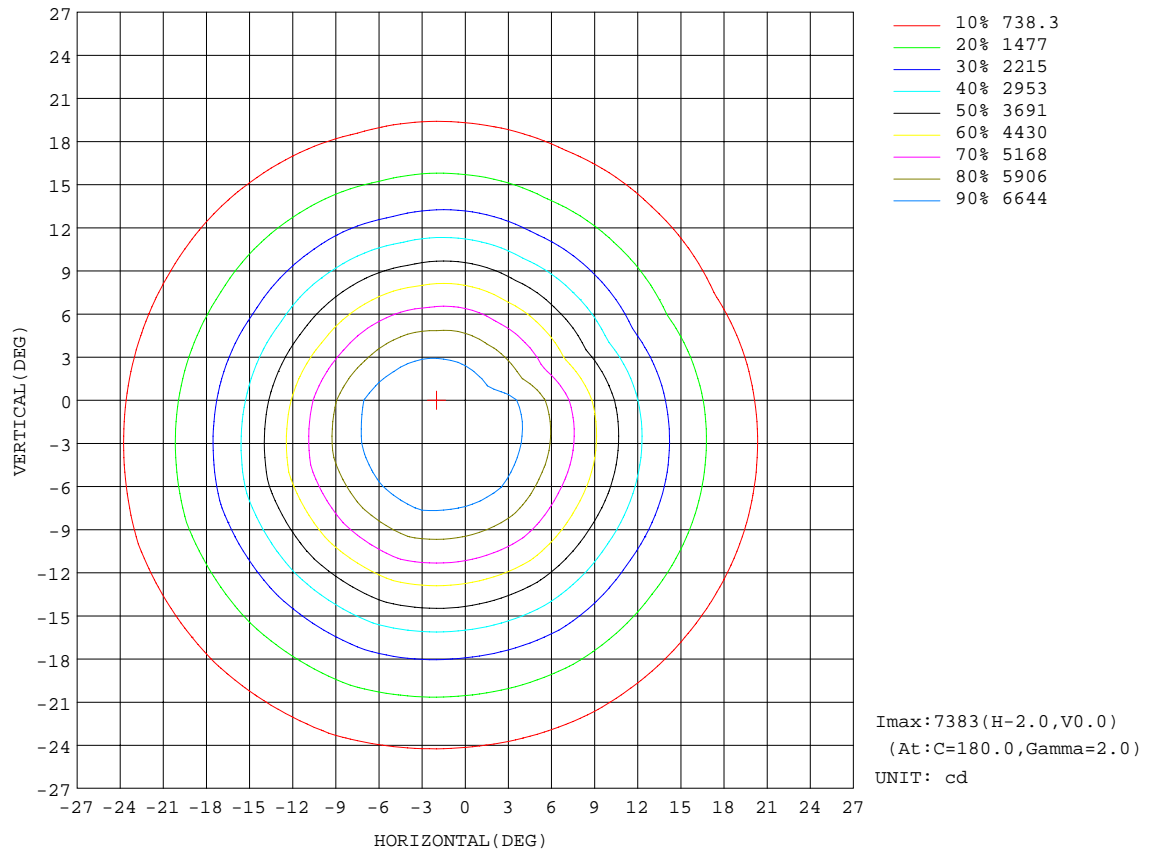
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	90	85	82	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	101	96	93	101	96	93	99	96	92	89
1.25	105	100	97	104	100	97	102	98	96	92
1.50	107	103	100	106	102	100	104	101	98	94
2.00	110	106	103	108	105	102	105	103	100	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	108	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: DL3380 2700K 30d	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

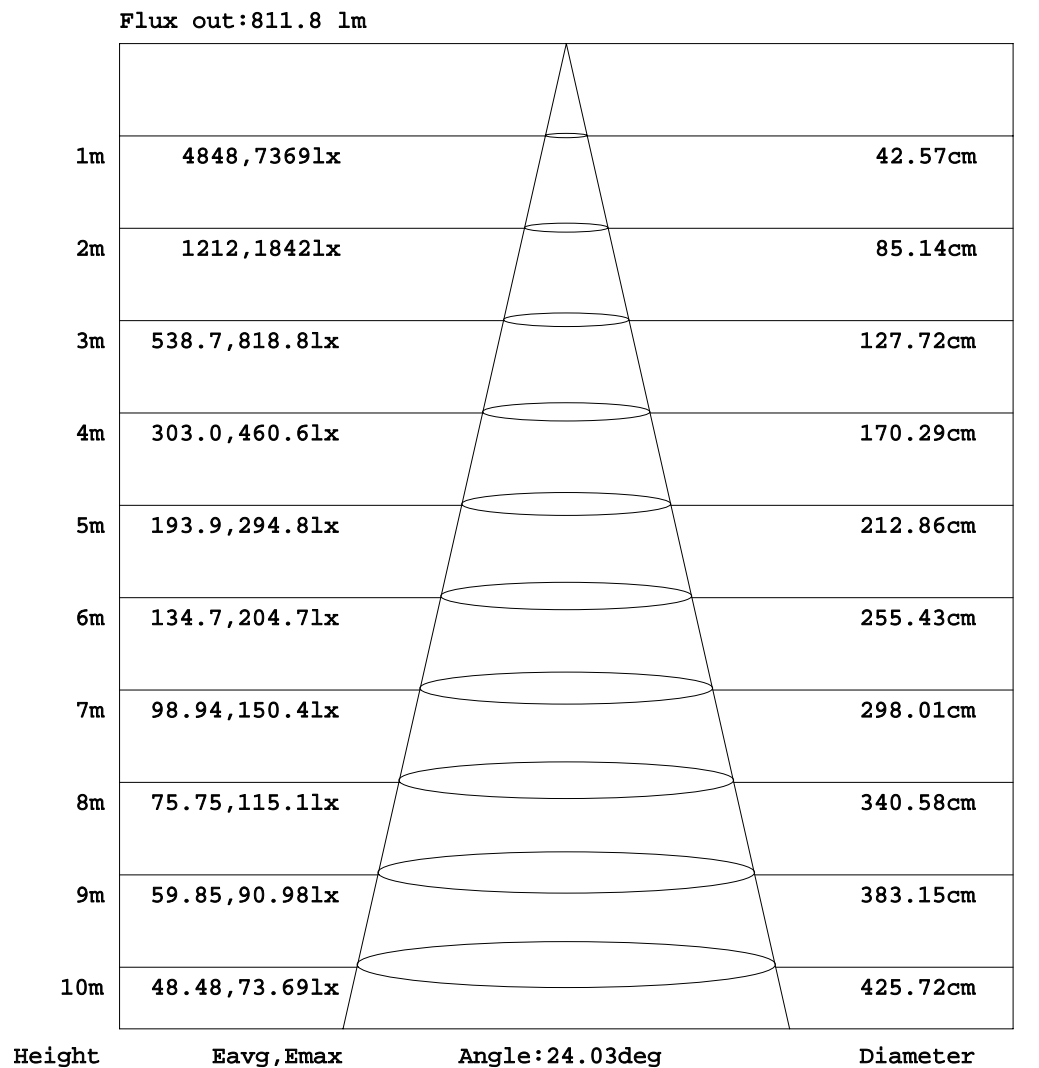


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: huxuanhong
Test Date: 11 August 2020

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: DL3380 2700K 30d	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

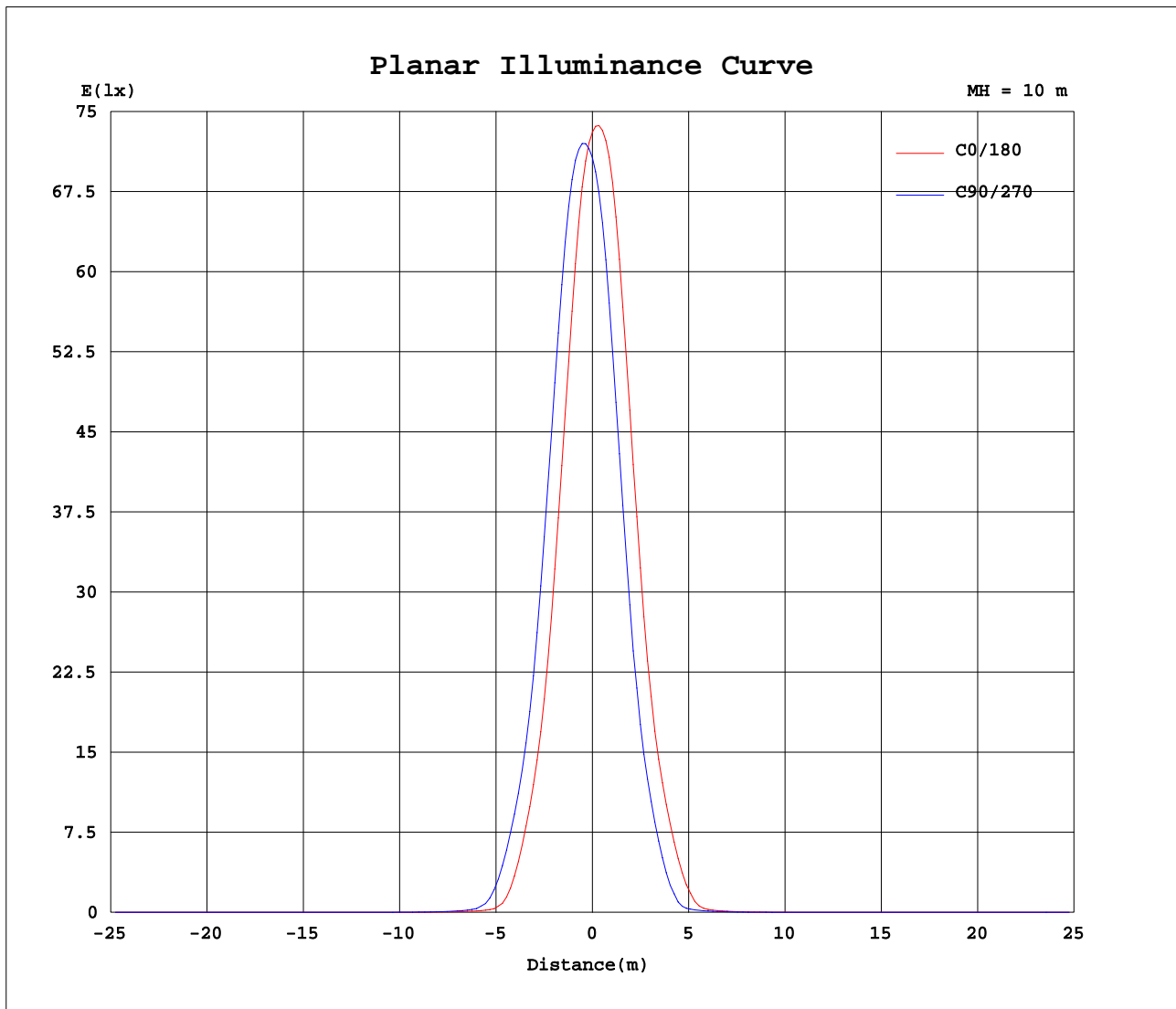


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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: DL3380 2700K 30d	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	7306	7234	7171	7117	7067	7024	7001	6971	7306	7234	7171	7117	7067	7024	7001	6971			
5	6144	6439	6718	6989	7125	7200	7185	7100	7154	6733	6378	6001	5772	5548	5518	5541			
10	3868	4336	4791	5349	5683	6026	6050	5890	5440	4754	4241	3761	3491	3234	3206	3263			
15	1877	2230	2566	3053	3394	3737	3784	3622	3073	2514	2140	1819	1644	1498	1484	1526			
20	761	973	1172	1430	1607	1804	1830	1741	1463	1171	948	734	616	516	502	538			
25	115	228	325	472	590	724	743	691	499	326	216	110	78.5	62.7	59.7	65.6			
30	27.0	34.1	44.9	63.4	91.2	114	118	104	59.7	41.3	33.3	27.7	24.5	21.9	21.6	22.1			
35	11.9	15.1	18.4	22.7	25.2	27.7	27.5	25.4	21.4	17.5	14.7	12.0	10.6	9.47	9.23	9.54			
40	5.10	6.12	7.54	9.39	10.3	11.1	11.1	10.6	8.87	7.25	6.09	5.20	4.69	4.23	4.07	4.17			
45	2.57	2.92	3.46	4.01	4.43	4.80	4.82	4.63	3.96	3.39	2.95	2.68	2.48	2.29	2.22	2.27			
50	1.65	1.77	1.93	2.20	2.35	2.47	2.52	2.43	2.20	1.92	1.80	1.66	1.55	1.48	1.45	1.48			
55	1.24	1.29	1.34	1.45	1.51	1.56	1.58	1.53	1.45	1.35	1.26	1.22	1.19	1.14	1.13	1.16			
60	1.08	1.05	1.10	1.16	1.18	1.17	1.19	1.13	1.14	1.09	1.04	1.08	1.02	0.99	0.95	0.98			
65	0.84	0.85	0.93	0.96	1.02	1.00	1.03	0.96	0.96	0.90	0.83	0.82	0.78	0.77	0.73	0.78			
70	0.63	0.61	0.66	0.72	0.76	0.79	0.82	0.76	0.72	0.66	0.61	0.64	0.61	0.63	0.61	0.61			
75	0.55	0.56	0.60	0.59	0.64	0.61	0.65	0.57	0.58	0.59	0.52	0.53	0.48	0.49	0.42	0.46			
80	0.37	0.35	0.40	0.42	0.48	0.47	0.49	0.46	0.45	0.42	0.35	0.36	0.30	0.30	0.25	0.31			
85	0.02	0.07	0.21	0.23	0.31	0.29	0.32	0.28	0.06	0.21	0.04	0.00	0.00	0.00	0.00	0.00			
90	0.01	0.00	0.00	0.00	0.02	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	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.01	0.02	0.00	0.01	0.01	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00			
110	0.01	0.02	0.01	0.02	0.01	0.02	0.00	0.02	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00			
115	0.02	0.03	0.01	0.03	0.01	0.03	0.01	0.02	0.02	0.01	0.01	0.00	0.02	0.01	0.02	0.00			
120	0.03	0.04	0.02	0.03	0.02	0.03	0.01	0.03	0.02	0.00	0.02	0.01	0.03	0.01	0.03	0.01			
125	0.09	0.08	0.05	0.05	0.04	0.04	0.02	0.04	0.04	0.02	0.05	0.05	0.08	0.07	0.10	0.07			
130	0.40	0.31	0.21	0.16	0.11	0.11	0.10	0.11	0.11	0.13	0.21	0.27	0.35	0.39	0.43	0.39			
135	1.23	0.95	0.75	0.59	0.49	0.44	0.40	0.46	0.45	0.58	0.73	0.91	1.06	1.22	1.23	1.18			
140	2.88	2.37	1.97	1.63	1.44	1.27	1.25	1.32	1.30	1.56	1.84	2.18	2.42	2.66	2.70	2.59			
145	5.61	4.81	4.16	3.60	3.27	2.99	2.93	3.05	2.81	3.21	3.64	4.13	4.47	4.80	4.82	4.65			
150	9.25	8.17	7.29	6.58	6.13	5.70	5.61	5.79	5.02	5.53	6.02	6.64	7.07	7.39	7.21	6.95			
155	12.9	11.8	10.8	10.2	9.83	9.21	8.98	9.23	7.53	7.93	8.34	9.05	9.53	9.61	9.08	8.86			
160	15.8	14.5	13.6	13.2	13.0	12.4	12.2	12.5	9.75	9.74	9.95	10.6	10.8	10.5	9.94	9.80			
165	17.9	16.2	15.1	15.1	15.2	14.8	14.5	14.9	11.3	10.6	10.5	11.1	11.1	10.6	9.83	9.84			
170	19.8	18.9	16.9	17.4	18.1	17.1	16.7	16.8	11.8	11.6	11.1	10.9	10.9	10.3	9.88	10.5			
175	16.7	16.7	16.5	16.9	17.1	16.9	17.0	16.8	12.1	12.2	12.2	11.9	11.3	11.0	10.9	11.1			
180	14.4	14.0	14.9	14.5	15.4	14.6	15.2	14.0	14.5	13.8	15.0	14.4	15.4	14.5	15.2	13.9			

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: