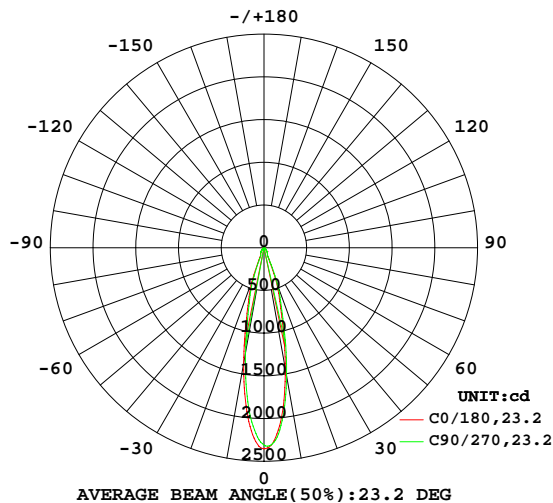


LUMINAIRE PHOTOMETRIC TEST REPORT

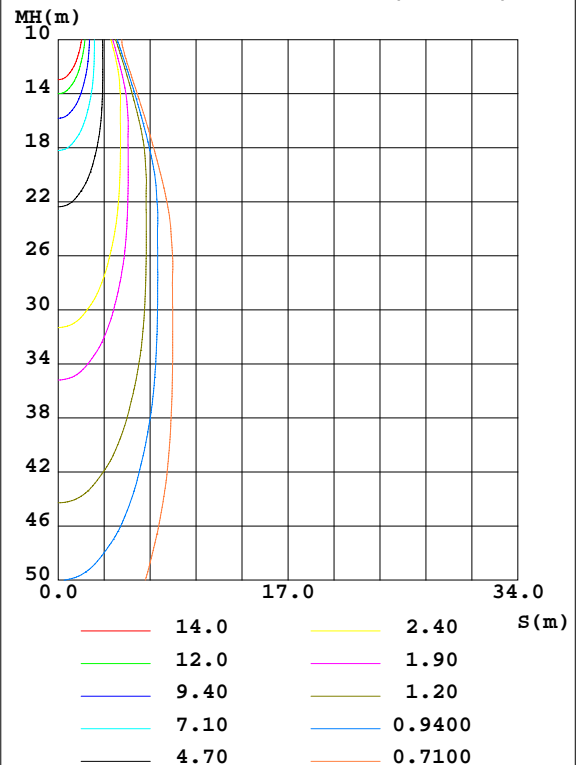
NAME: DL3026W930	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 59.29 lm/W			
MODEL	DL3026W930	Imax(cd)	2353	S/MH(C0/180)	0.39
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.36
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	567.59	η UP,DN(C0-180)	0.5,52.8
NOMINAL FLUX(lm)	567.592	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,46.4
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: MEDIUM
 Temperature:25.3DEG
 Operators:XXXX
 Test Date:02 March 2017

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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	1445	1486	1528	1475	1376	1307	1255	1295	0- 10	173.5	173.5	30.6,30.6
20	422.0	455.8	478.7	447.7	380.3	339.0	305.4	338.3	10- 20	216.7	390.2	68.7,68.7
30	80.81	80.92	83.21	81.55	80.65	77.09	76.13	76.45	20- 30	63.68	453.8	80,80
40	50.76	53.45	56.07	54.27	49.84	47.22	45.48	46.48	30- 40	41.50	495.3	87.3,87.3
50	28.16	28.81	29.38	28.87	28.14	27.01	26.09	26.36	40- 50	28.49	523.8	92.3,92.3
60	16.38	16.81	17.25	16.97	16.48	15.71	15.12	15.28	50- 60	19.25	543.1	95.7,95.7
70	8.596	8.913	9.251	9.084	8.706	8.212	7.803	7.916	60- 70	12.01	555.1	97.8,97.8
80	3.338	3.569	3.804	3.683	3.410	3.111	2.859	2.905	70- 80	6.075	561.2	98.9,98.9
90	0.0285	0.0369	0.1138	0.1244	0.0178	0.0178	0.0214	0.0179	80- 90	1.565	562.7	99.1,99.1
100	0.0640	0.0534	0.0570	0.0498	0.0499	0.0498	0.0536	0.0463	90-100	0.0387	562.8	99.1,99.1
110	0.1175	0.1168	0.1245	0.1090	0.1032	0.0990	0.1076	0.0926	100-110	0.0835	562.8	99.2,99.2
120	0.2135	0.1826	0.2314	0.1779	0.1711	0.1781	0.1924	0.1639	110-120	0.1443	563.0	99.2,99.2
130	0.3381	0.3024	0.3593	0.3025	0.2816	0.2780	0.3244	0.2710	120-130	0.2141	563.2	99.2,99.2
140	0.9601	0.9282	0.9175	0.9210	0.8343	0.8453	0.8809	0.8309	130-140	0.4057	563.6	99.3,99.3
150	2.541	2.477	2.515	2.455	2.021	2.074	2.138	2.014	140-150	0.9423	564.6	99.5,99.5
160	4.435	4.264	4.407	4.289	3.339	3.213	3.288	3.149	150-160	1.400	565.9	99.7,99.7
170	6.135	5.248	5.658	5.390	4.177	3.725	3.639	3.430	160-170	1.193	567.1	99.9,99.9
180	4.936	4.939	4.950	4.782	4.953	4.943	4.936	4.775	170-180	0.4498	567.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 510.97 lm

%lum = 90.0%

%lamp = 90.0%

Conical surface Flux(120deg): 543.07 lm

%lum = 95.7%

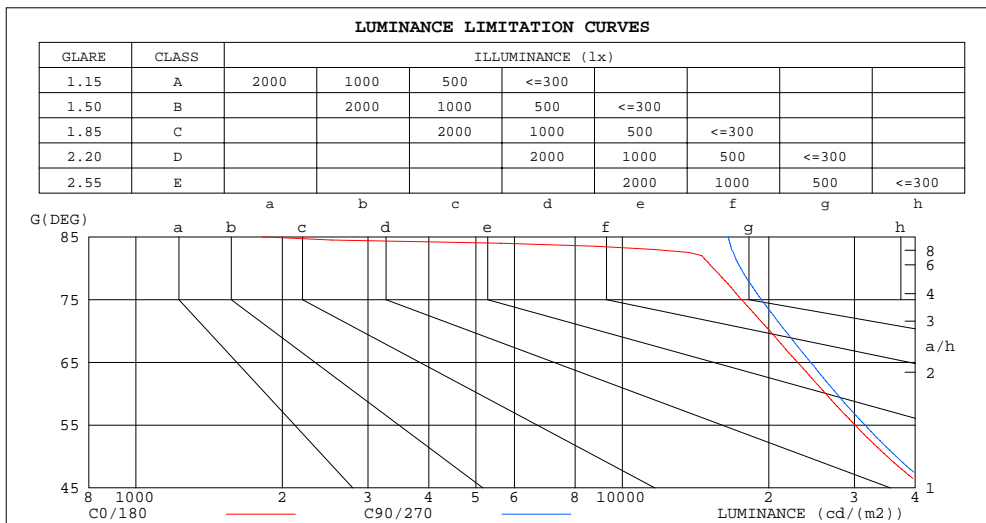
%lamp = 95.7%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:XXXX
Test Date:02 March 2017

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
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: DL3026W930	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1819	16516
80	15377	17527
75	17576	19337
70	20106	21640
65	22923	24386
60	26201	27592
55	30102	31538
50	35045	36562
45	41809	43413

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: XXXX
Test Date: 02 March 2017

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
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: DL3026W930	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	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	.167	.095	.030	.160	.091	.029	.147	.084	.027	.135	.078	.025	.124	.072	.023		
2.0	.156	.085	.026	.150	.083	.025	.139	.077	.024	.129	.072	.023	.120	.068	.021		
3.0	.145	.077	.023	.140	.075	.023	.131	.071	.022	.123	.067	.021	.115	.063	.020		
4.0	.136	.071	.021	.131	.069	.020	.124	.066	.020	.116	.062	.019	.109	.059	.018		
5.0	.127	.065	.019	.123	.063	.018	.117	.061	.018	.110	.058	.017	.104	.056	.017		
6.0	.120	.060	.017	.116	.059	.017	.110	.057	.016	.105	.054	.016	.100	.052	.016		
7.0	.113	.056	.016	.110	.055	.016	.105	.053	.015	.100	.051	.015	.095	.049	.015		
8.0	.107	.052	.015	.104	.051	.015	.100	.050	.014	.095	.048	.014	.091	.047	.014		
9.0	.101	.049	.014	.099	.048	.014	.095	.047	.013	.091	.046	.013	.088	.044	.013		
10.0	.097	.046	.013	.095	.046	.013	.091	.045	.013	.087	.043	.012	.084	.042	.012		

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	.152	.151	.141	.131	.104	.097	.091	.060	.056	.053	.019	.018	.017		
2.0	.161	.139	.121	.138	.120	.105	.094	.083	.073	.054	.048	.043	.017	.016	.014		
3.0	.147	.120	.099	.126	.104	.085	.087	.072	.060	.050	.042	.035	.016	.014	.012		
4.0	.136	.105	.082	.116	.091	.071	.080	.063	.050	.046	.037	.030	.015	.012	.010		
5.0	.126	.093	.069	.108	.081	.060	.074	.056	.043	.043	.033	.025	.014	.011	.008		
6.0	.117	.084	.059	.101	.072	.052	.069	.051	.037	.040	.030	.022	.013	.010	.007		
7.0	.110	.076	.052	.094	.066	.045	.065	.046	.032	.038	.027	.019	.012	.009	.006		
8.0	.103	.069	.046	.089	.060	.040	.061	.042	.028	.036	.025	.017	.012	.008	.006		
9.0	.097	.063	.041	.084	.055	.035	.058	.039	.025	.034	.023	.015	.011	.008	.005		
10.0	.092	.059	.036	.080	.051	.032	.055	.036	.023	.032	.021	.013	.010	.007	.004		

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:XXXX

Test Date:02 March 2017

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

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: DL3026W930					TYPE:					WEIGHT:				
SPEC.:					DIM.:					SERIAL No.:				
MFR.: VJC Lighting Limited					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					22.1	22.8	22.3	23.0	23.2	22.2	23.0	22.5	23.2	23.4
3H					22.9	23.6	23.1	23.8	24.0	23.1	23.8	23.4	24.0	24.3
4H					23.2	23.9	23.5	24.1	24.4	23.5	24.2	23.7	24.4	24.6
6H					23.4	24.1	23.7	24.3	24.6	23.7	24.4	24.0	24.6	24.9
8H					23.5	24.1	23.8	24.4	24.7	23.8	24.4	24.1	24.7	25.0
12H					23.5	24.1	23.8	24.4	24.6	23.9	24.5	24.2	24.8	25.0
4H 2H					22.4	23.1	22.7	23.4	23.6	22.6	23.3	22.9	23.5	23.7
3H					23.4	24.0	23.7	24.3	24.6	23.6	24.2	23.9	24.5	24.8
4H					23.8	24.4	24.2	24.7	25.0	24.1	24.6	24.4	24.9	25.3
6H					24.1	24.7	24.5	25.0	25.4	24.4	24.9	24.8	25.3	25.6
8H					24.2	24.7	24.7	25.1	25.5	24.6	25.0	25.0	25.4	25.8
12H					24.2	24.7	24.7	25.1	25.5	24.7	25.1	25.1	25.5	25.9
8H 4H					24.0	24.4	24.4	24.8	25.2	24.2	24.7	24.6	25.0	25.4
6H					24.4	24.8	24.8	25.2	25.6	24.7	25.0	25.1	25.4	25.9
8H					24.5	24.9	25.0	25.3	25.8	24.8	25.2	25.3	25.6	26.1
12H					24.6	24.9	25.1	25.3	25.8	25.0	25.3	25.5	25.8	26.2
12H 4H					24.0	24.4	24.4	24.8	25.2	24.2	24.6	24.6	25.0	25.4
6H					24.4	24.8	24.9	25.2	25.6	24.7	25.0	25.1	25.4	25.9
8H					24.6	24.9	25.1	25.3	25.8	24.9	25.2	25.4	25.6	26.1
Variations with the observer position at spacings:														
S = 1.0H					+ 0.5 / - 0.6					+ 0.5 / - 0.6				
1.5H					+ 0.6 / - 0.4					+ 0.6 / - 0.3				
2.0H					+ 0.7 / - 0.6					+ 0.7 / - 0.5				

CIE Pub.117, 567.6 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.0)

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:XXXX

Test Date:02 March 2017

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

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: DL3026W930	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

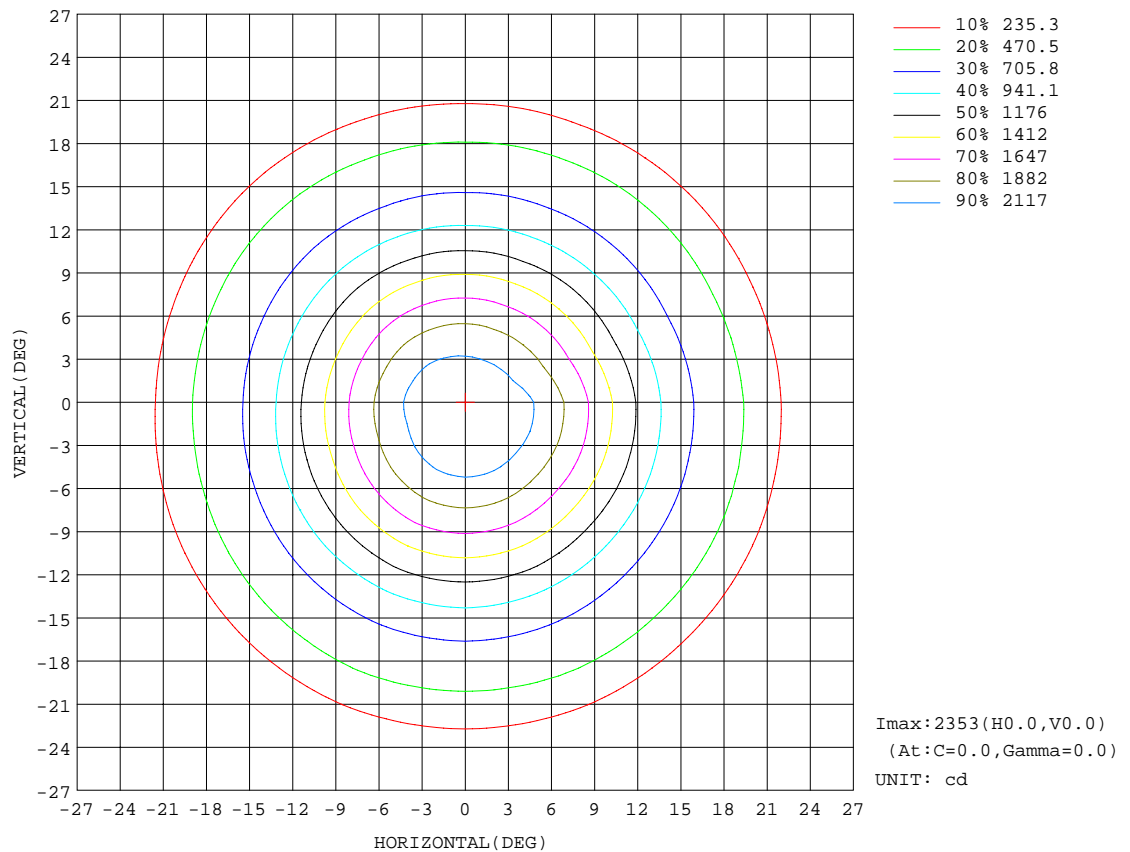
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	84	77	73	83	77	72	82	76	72	68
0.80	91	85	81	91	84	81	89	84	80	76
1.00	96	90	86	95	89	86	94	89	85	81
1.25	101	95	91	99	94	90	97	93	90	85
1.50	104	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	98	102	99	96	90
2.50	109	104	101	107	103	100	104	101	98	92
3.00	110	107	104	108	105	102	105	102	100	93
4.00	113	110	107	111	108	106	107	105	103	95
5.00	114	112	109	112	110	108	108	106	105	96
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: MEDIUM
Temperature:25.3DEG
Operators:XXXX
Test Date:02 March 2017

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.650m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: DL3026W930	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

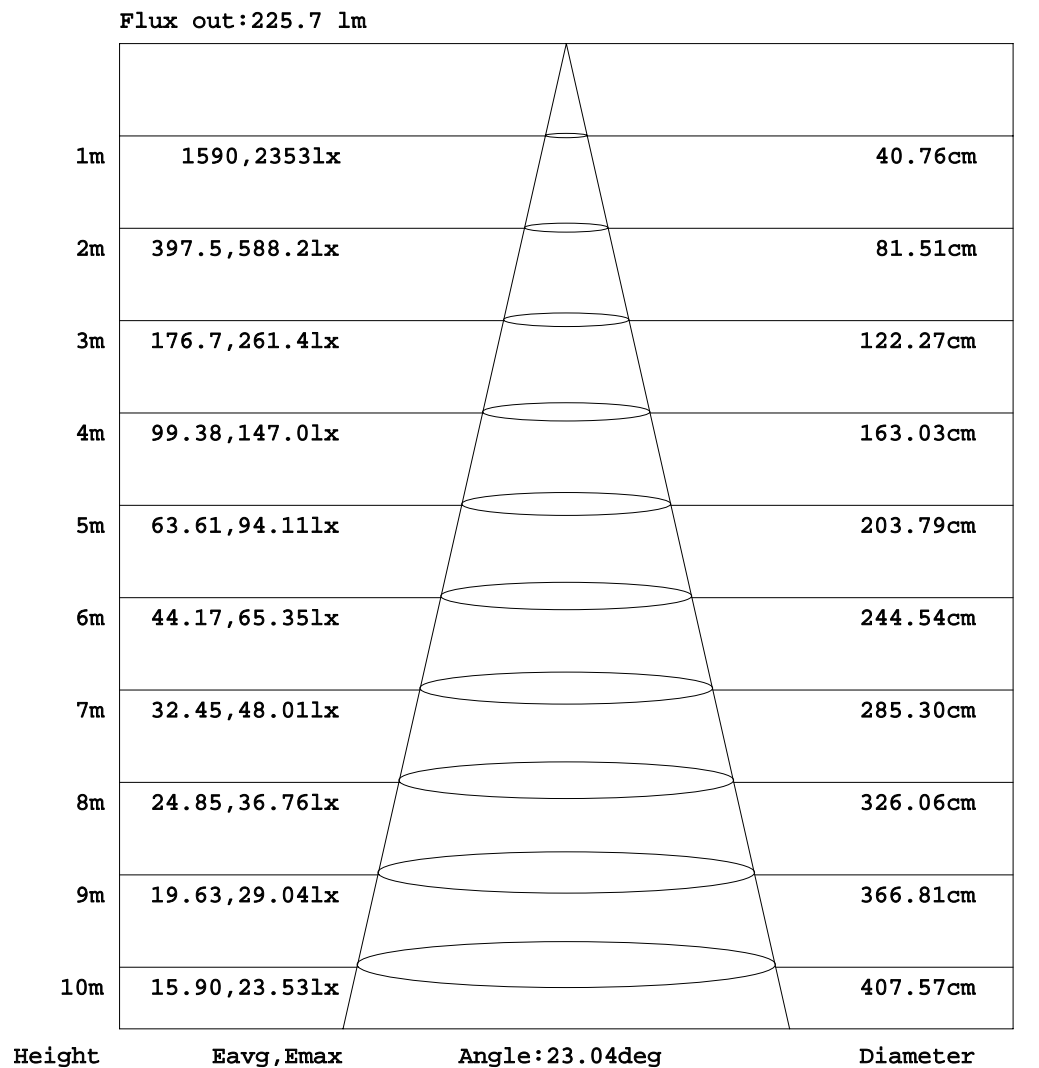


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: XXXX
 Test Date: 02 March 2017

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.650m [K=1.0000]
 Remarks:

AAI Figure

NAME: DL3026W930	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

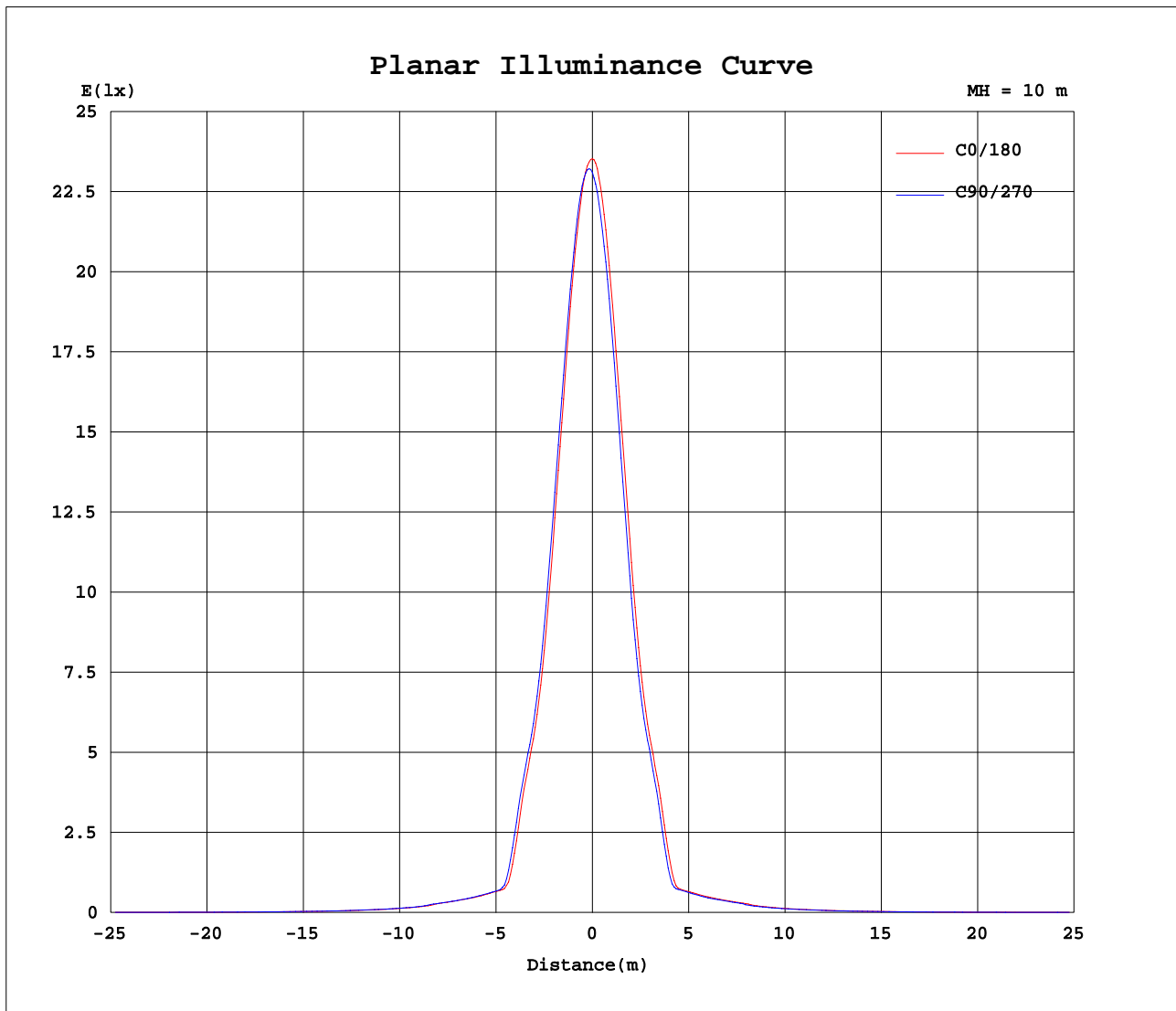


Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: XXXX
 Test Date: 02 March 2017

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 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: MEDIUM
Temperature: 25.3DEG
Operators: XXXX
Test Date: 02 March 2017

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
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: DL3026W930	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	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	2353	2337	2326	2317	2310	2304	2301	2298	2353	2337	2326	2317	2310	2304	2301	2298			
5	2096	2112	2117	2135	2139	2128	2094	2051	2043	2005	1982	1951	1938	1936	1959	1996			
10	1445	1470	1486	1516	1528	1519	1475	1415	1376	1331	1307	1267	1255	1257	1295	1339			
15	788	806	821	845	860	850	816	777	746	722	704	682	673	679	700	728			
20	422	444	456	477	479	475	448	417	380	357	339	314	305	311	338	370			
25	96.5	97.6	98.5	101	106	101	97.9	96.2	95.5	93.8	93.0	92.9	92.1	91.9	92.4	93.5			
30	80.8	80.8	80.9	82.7	83.2	82.6	81.5	80.8	80.6	78.8	77.1	77.0	76.1	76.1	76.4	78.1			
35	68.4	69.0	68.8	69.3	68.9	68.9	68.0	67.1	67.4	66.4	65.6	64.3	64.2	64.8	65.2	65.8			
40	50.8	51.6	53.4	55.6	56.1	56.0	54.3	50.9	49.8	48.3	47.2	46.0	45.5	45.5	46.5	47.8			
45	37.0	37.5	37.7	38.2	38.4	38.2	37.7	37.0	36.7	35.9	35.3	34.5	34.1	34.0	34.5	35.2			
50	28.2	28.6	28.8	29.2	29.4	29.3	28.9	28.3	28.1	27.5	27.0	26.4	26.1	26.0	26.4	26.9			
55	21.6	21.9	22.1	22.5	22.6	22.6	22.2	21.8	21.7	21.1	20.7	20.2	20.0	19.9	20.2	20.6			
60	16.4	16.6	16.8	17.1	17.2	17.2	17.0	16.7	16.5	16.0	15.7	15.3	15.1	15.1	15.3	15.6			
65	12.1	12.4	12.5	12.8	12.9	12.9	12.7	12.4	12.2	11.9	11.6	11.3	11.1	11.1	11.2	11.5			
70	8.60	8.80	8.91	9.15	9.25	9.28	9.08	8.85	8.71	8.41	8.21	7.93	7.80	7.76	7.92	8.10			
75	5.69	5.86	5.97	6.16	6.26	6.27	6.11	5.94	5.79	5.56	5.40	5.20	5.08	5.05	5.17	5.33			
80	3.34	3.48	3.57	3.72	3.80	3.81	3.68	3.54	3.41	3.23	3.11	2.96	2.86	2.80	2.90	3.06			
85	0.20	1.56	1.61	1.74	1.80	1.82	1.73	1.62	0.30	1.37	1.28	1.12	1.02	0.99	1.05	1.20			
90	0.03	0.02	0.04	0.06	0.11	0.14	0.12	0.08	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02			
95	0.05	0.05	0.04	0.04	0.04	0.04	0.03	0.05	0.03	0.01	0.03	0.02	0.04	0.02	0.04	0.02			
100	0.06	0.07	0.05	0.07	0.06	0.07	0.05	0.07	0.05	0.02	0.05	0.06	0.05	0.05	0.05	0.02			
105	0.09	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.07	0.05	0.07	0.06	0.07	0.06	0.07	0.05			
110	0.12	0.13	0.12	0.14	0.12	0.13	0.11	0.13	0.10	0.07	0.10	0.10	0.11	0.09	0.09	0.07			
115	0.17	0.16	0.14	0.19	0.17	0.18	0.14	0.17	0.14	0.11	0.13	0.12	0.15	0.12	0.12	0.11			
120	0.21	0.21	0.18	0.24	0.23	0.22	0.18	0.22	0.17	0.16	0.18	0.17	0.19	0.16	0.16	0.14			
125	0.27	0.27	0.23	0.28	0.28	0.27	0.23	0.26	0.21	0.19	0.22	0.22	0.24	0.22	0.21	0.18			
130	0.34	0.33	0.30	0.37	0.36	0.36	0.30	0.34	0.28	0.27	0.28	0.29	0.32	0.28	0.27	0.25			
135	0.54	0.53	0.52	0.55	0.55	0.54	0.52	0.54	0.47	0.45	0.47	0.47	0.51	0.45	0.46	0.42			
140	0.96	0.93	0.93	0.93	0.92	0.93	0.92	0.95	0.83	0.82	0.85	0.86	0.88	0.84	0.83	0.78			
145	1.64	1.60	1.62	1.59	1.60	1.59	1.60	1.64	1.37	1.38	1.42	1.44	1.46	1.42	1.37	1.31			
150	2.54	2.48	2.48	2.52	2.52	2.52	2.46	2.52	2.02	2.05	2.07	2.12	2.14	2.11	2.01	1.95			
155	3.51	3.43	3.44	3.54	3.60	3.48	3.44	3.48	2.68	2.68	2.72	2.81	2.85	2.74	2.65	2.57			
160	4.43	4.33	4.26	4.30	4.41	4.31	4.29	4.36	3.34	3.24	3.21	3.26	3.29	3.14	3.15	3.11			
165	5.24	4.93	4.68	4.88	5.17	5.05	4.77	5.13	3.93	3.51	3.47	3.66	3.72	3.40	3.29	3.45			
170	6.13	5.73	5.25	5.41	5.66	5.39	5.39	5.95	4.18	3.91	3.73	3.64	3.64	3.36	3.43	3.71			
175	5.92	5.55	5.42	5.26	5.32	5.18	5.47	5.40	4.11	4.21	4.07	4.00	3.73	3.74	3.69	3.87			
180	4.94	4.70	4.94	4.74	4.95	4.63	4.78	4.44	4.95	4.67	4.94	4.72	4.94	4.61	4.78	4.43			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:XXXX

Test Date:02 March 2017

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:7.650m [K=1.0000]

Remarks: