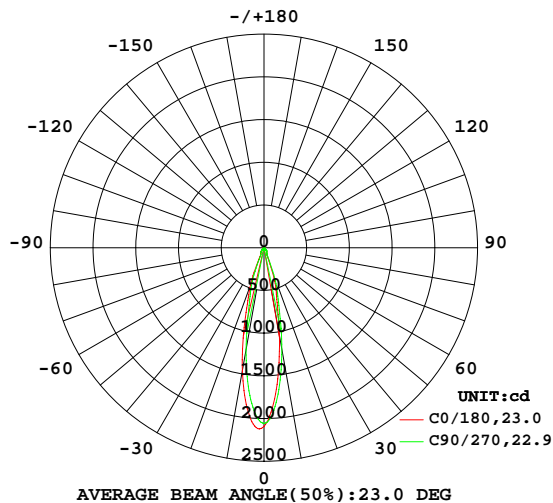


LUMINAIRE PHOTOMETRIC TEST REPORT

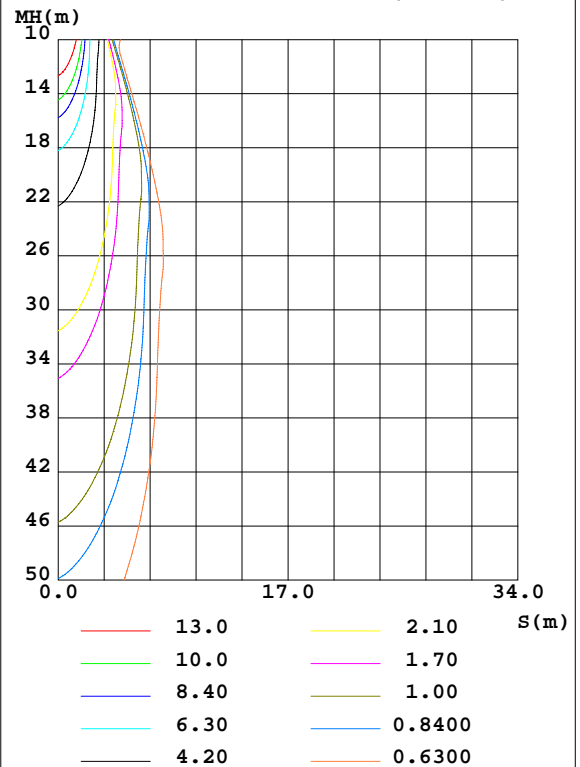
NAME: DL3026W927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 52.60 lm/W			
MODEL	DL3026W927	Imax(cd)	2121	S/MH(C0/180)	0.45
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	506.98	η UP,DN(C0-180)	0.5,48.0
NOMINAL FLUX(lm)	506.98	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,51.1
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: MEDIUM
 Temperature:25.3DEG
 Operators:XXXX
 Test Date:04 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	1038	1055	1208	1375	1461	1412	1210	1055	0- 10	152.3	152.3	30,30
20	245.9	239.4	334.5	434.0	461.8	456.3	380.5	282.0	10- 20	193.0	345.3	68.1,68.1
30	70.34	69.14	70.77	72.99	75.12	75.27	73.05	69.66	20- 30	58.95	404.2	79.7,79.7
40	41.53	41.12	44.11	49.96	50.17	50.51	45.84	42.20	30- 40	37.16	441.4	87.1,87.1
50	23.97	23.61	24.76	26.11	27.10	26.94	25.58	24.21	40- 50	25.90	467.3	92.2,92.2
60	13.83	13.63	14.38	15.22	15.88	15.84	14.99	14.07	50- 60	17.47	484.8	95.6,95.6
70	7.114	6.985	7.520	8.101	8.543	8.543	7.938	7.311	60- 70	10.89	495.6	97.8,97.8
80	2.582	2.489	2.839	3.270	3.546	3.549	3.147	2.734	70- 80	5.504	501.1	98.8,98.8
90	0.0320	0.0320	0.0392	0.1096	0.1023	0.2960	0.0388	0.0143	80- 90	1.438	502.6	99.1,99.1
100	0.0605	0.0534	0.0639	0.0498	0.0392	0.0391	0.0463	0.0392	90-100	0.0429	502.6	99.1,99.1
110	0.1139	0.1222	0.1211	0.1088	0.0855	0.0819	0.0891	0.0820	100-110	0.0793	502.7	99.2,99.2
120	0.1992	0.1815	0.2348	0.1673	0.1461	0.1425	0.1568	0.1461	110-120	0.1351	502.8	99.2,99.2
130	0.3485	0.3309	0.3629	0.2741	0.2351	0.2174	0.2637	0.2568	120-130	0.1973	503.0	99.2,99.2
140	1.024	1.028	0.9247	0.8000	0.6208	0.5992	0.6956	0.7808	130-140	0.3738	503.4	99.3,99.3
150	2.584	2.566	2.430	2.092	1.575	1.579	1.746	1.839	140-150	0.8502	504.3	99.5,99.5
160	4.189	4.055	4.062	3.748	2.744	2.661	2.782	2.846	150-160	1.255	505.5	99.7,99.7
170	5.467	4.625	5.131	4.813	3.500	3.187	3.159	3.088	160-170	1.063	506.6	99.9,99.9
180	4.202	4.252	4.405	4.377	4.202	4.245	4.391	4.373	170-180	0.3966	507.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 455.61 lm

%lum = 89.9%

%lamp = 89.9%

Conical surface Flux(120deg): 484.76 lm

%lum = 95.6%

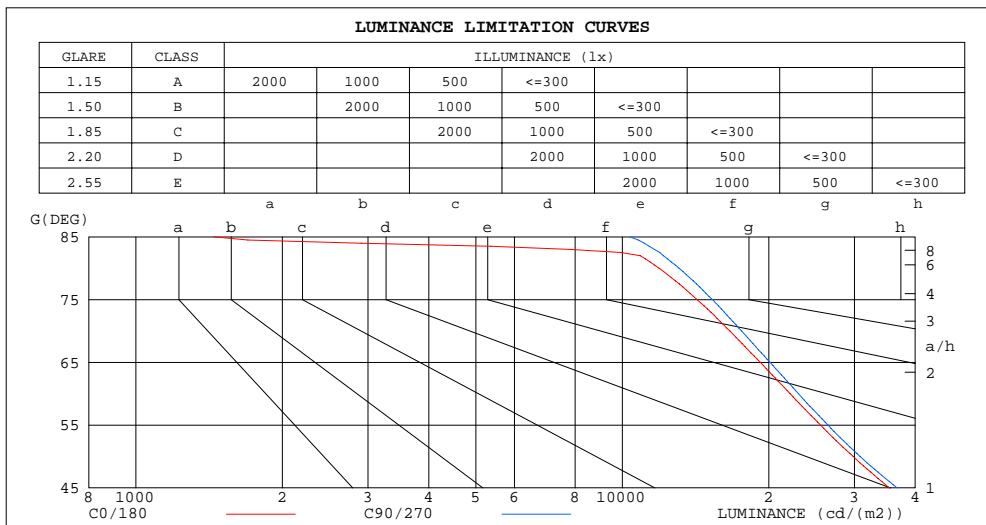
%lamp = 95.6%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:XXXX
Test Date:04 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: DL3026W927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	1448	10366
80	11896	13078
75	14238	15317
70	16639	17589
65	19220	20110
60	22131	23015
55	25555	26469
50	29829	30814
45	35390	36721

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: XXXX
Test Date: 04 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: DL3026W927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	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	.168	.095	.030	.161	.092	.029	.148	.085	.027	.136	.078	.025	.125	.072	.023		
2.0	.157	.086	.026	.151	.083	.026	.140	.078	.024	.130	.073	.023	.121	.068	.022		
3.0	.146	.078	.023	.141	.076	.023	.132	.072	.022	.123	.068	.021	.115	.064	.020		
4.0	.137	.071	.021	.132	.069	.020	.124	.066	.020	.117	.063	.019	.110	.060	.018		
5.0	.128	.065	.019	.124	.064	.019	.117	.061	.018	.111	.059	.017	.105	.056	.017		
6.0	.120	.060	.017	.117	.059	.017	.111	.057	.017	.106	.055	.016	.100	.053	.016		
7.0	.114	.056	.016	.111	.055	.016	.106	.053	.015	.101	.052	.015	.096	.050	.015		
8.0	.107	.053	.015	.105	.052	.015	.100	.050	.014	.096	.049	.014	.092	.047	.014		
9.0	.102	.049	.014	.100	.049	.014	.096	.047	.013	.092	.046	.013	.088	.045	.013		
10.0	.097	.047	.013	.095	.046	.013	.092	.045	.013	.088	.044	.012	.085	.043	.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	.152	.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	.117	.091	.071	.080	.063	.050	.046	.037	.030	.015	.012	.010		
5.0	.126	.093	.069	.108	.081	.060	.075	.056	.043	.043	.033	.025	.014	.011	.008		
6.0	.117	.084	.059	.101	.072	.052	.070	.051	.037	.040	.030	.022	.013	.010	.007		
7.0	.110	.076	.052	.095	.066	.045	.065	.046	.032	.038	.027	.019	.012	.009	.006		
8.0	.104	.069	.046	.089	.060	.040	.062	.042	.028	.036	.025	.017	.012	.008	.006		
9.0	.098	.064	.041	.084	.055	.035	.058	.039	.025	.034	.023	.015	.011	.008	.005		
10.0	.093	.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:04 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: DL3026W927					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					21.6	22.4	21.8	22.5	22.7	21.7	22.5	21.9	22.7	22.8
3H					22.3	23.1	22.6	23.3	23.5	22.5	23.3	22.8	23.5	23.7
4H					22.6	23.3	22.9	23.6	23.8	22.8	23.5	23.1	23.8	24.0
6H					22.8	23.5	23.1	23.7	24.0	23.0	23.7	23.4	24.0	24.2
8H					22.9	23.5	23.2	23.8	24.0	23.1	23.8	23.4	24.0	24.3
12H					22.8	23.5	23.2	23.7	24.0	23.1	23.7	23.5	24.0	24.3
4H 2H					21.9	22.6	22.2	22.8	23.1	22.0	22.7	22.3	23.0	23.2
3H					22.8	23.5	23.2	23.7	24.0	23.0	23.6	23.3	23.9	24.2
4H					23.2	23.8	23.6	24.1	24.4	23.4	24.0	23.8	24.3	24.6
6H					23.5	24.0	23.9	24.3	24.7	23.7	24.2	24.1	24.5	24.9
8H					23.5	24.0	24.0	24.4	24.8	23.8	24.3	24.2	24.6	25.0
12H					23.5	24.0	23.9	24.3	24.7	23.8	24.3	24.2	24.6	25.0
8H 4H					23.3	23.8	23.7	24.1	24.5	23.5	24.0	23.9	24.3	24.7
6H					23.7	24.0	24.1	24.5	24.9	23.9	24.2	24.3	24.7	25.1
8H					23.8	24.1	24.2	24.5	25.0	24.0	24.3	24.5	24.8	25.2
12H					23.8	24.1	24.2	24.5	25.0	24.1	24.4	24.6	24.8	25.3
12H 4H					23.3	23.7	23.7	24.1	24.5	23.5	23.9	23.9	24.3	24.7
6H					23.7	24.0	24.1	24.4	24.9	23.8	24.2	24.3	24.6	25.1
8H					23.8	24.1	24.3	24.5	25.0	24.0	24.3	24.5	24.8	25.2
Variations with the observer position at spacings:														
S = 1.0H					+ 0.5 / - 0.6					+ 0.5 / - 0.6				
1.5H					+ 0.6 / - 0.4					+ 0.7 / - 0.3				
2.0H					+ 0.8 / - 0.7					+ 0.8 / - 0.7				

CIE Pub.117, 507.0 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.4)

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:XXXX

Test Date:04 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: DL3026W927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

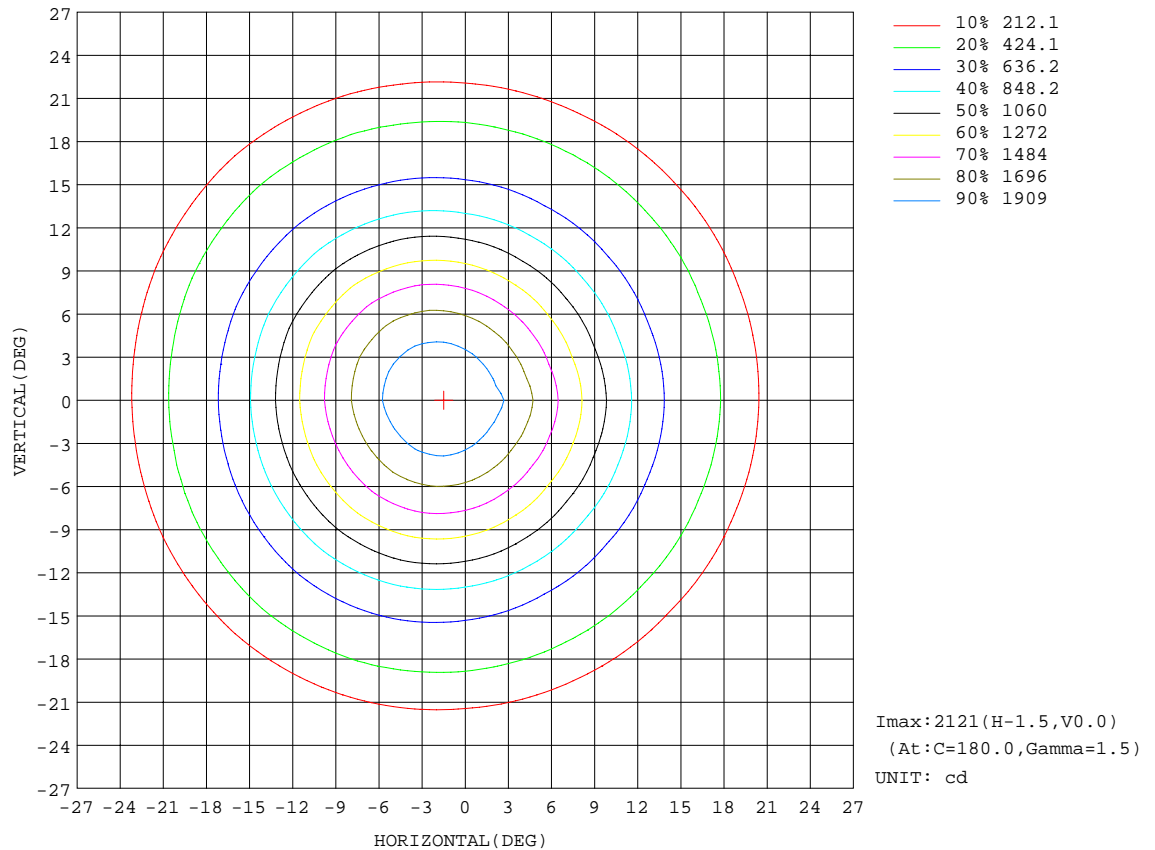
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	84	77	72	83	76	72	82	76	72	68
0.80	91	85	81	90	84	80	89	84	80	76
1.00	96	90	86	95	89	85	93	89	85	80
1.25	100	95	91	99	94	90	97	93	89	85
1.50	103	98	94	102	97	94	100	96	93	88
2.00	107	102	98	105	101	97	102	99	96	90
2.50	109	104	101	107	103	100	104	100	98	92
3.00	110	107	103	108	105	102	105	102	100	93
4.00	113	110	107	110	108	106	107	104	103	95
5.00	114	111	109	112	110	108	108	106	104	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:04 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: DL3026W927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:



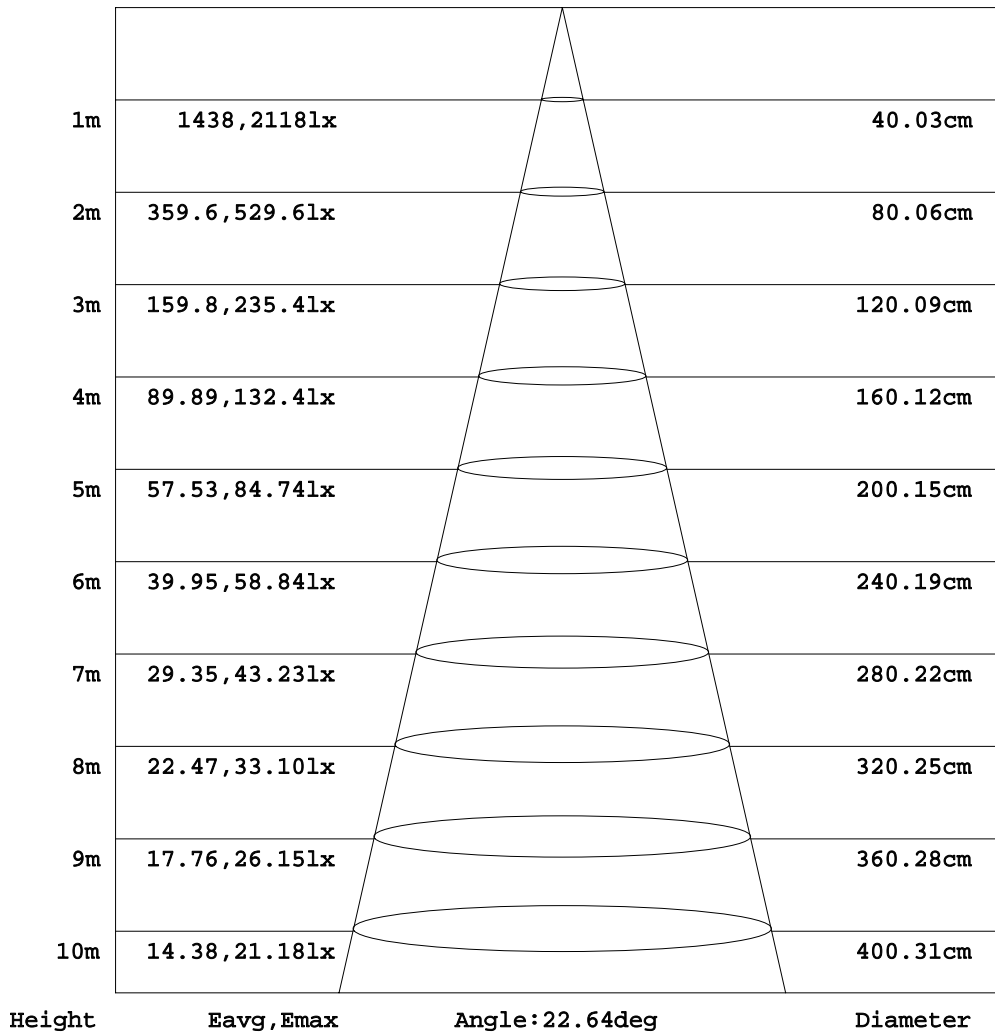
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature: 25.3DEG
Operators: XXXX
Test Date: 04 March 2017

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: DL3026W927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

Flux out:187.0 lm

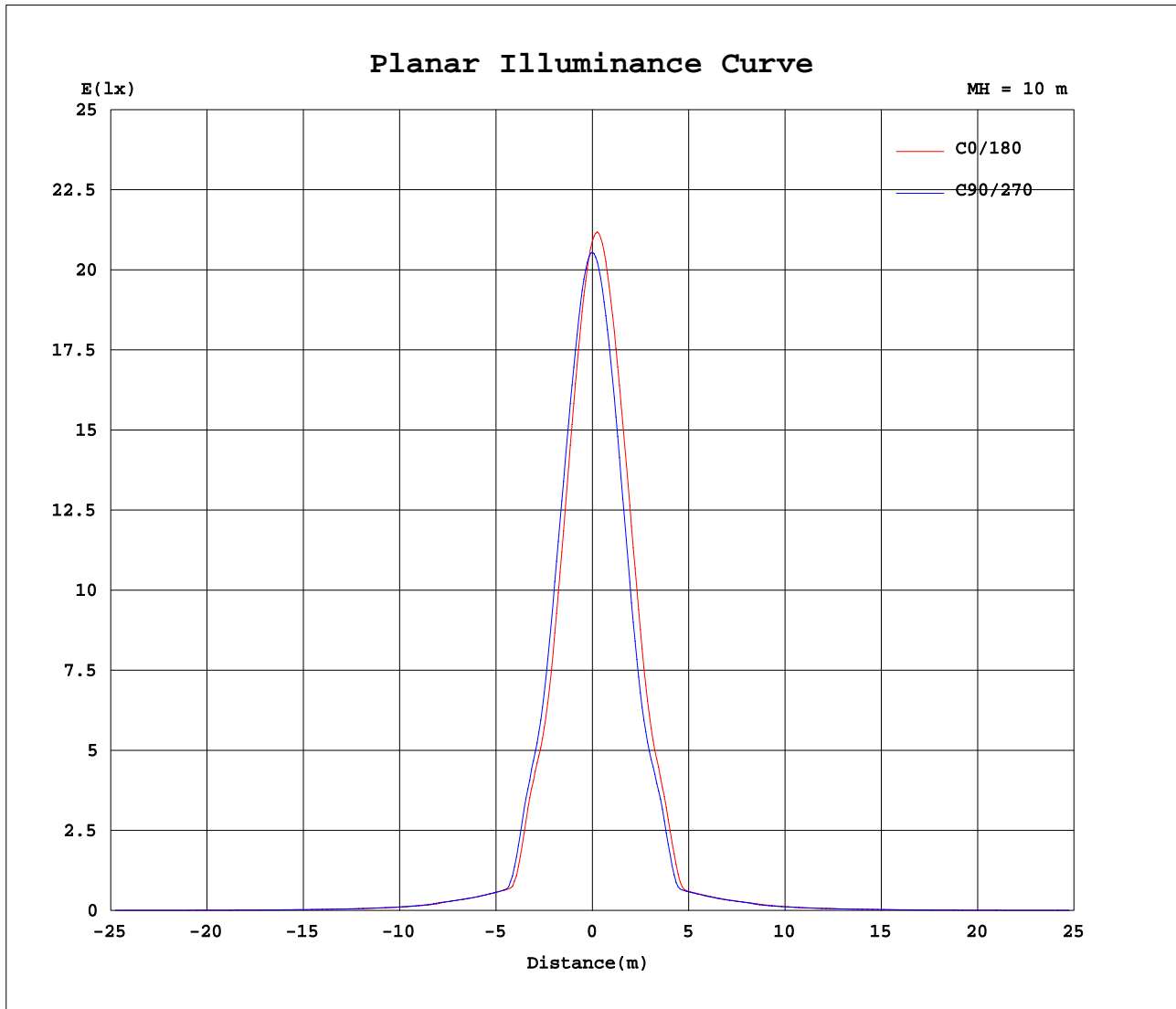


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: MEDIUM
Temperature:25.3DEG
Operators:XXXX
Test Date:04 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: 04 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: DL3026W927	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	2090	2076	2066	2060	2055	2053	2052	2056	2090	2076	2066	2060	2055	2053	2052	2056			
5	1664	1649	1660	1708	1768	1838	1897	1932	1970	1965	1927	1858	1784	1716	1665	1642			
10	1038	1027	1055	1119	1208	1299	1375	1421	1461	1461	1412	1314	1210	1115	1055	1022			
15	564	560	570	603	659	724	783	819	841	840	798	725	660	608	576	559			
20	246	234	239	282	335	394	434	454	462	467	456	427	381	328	282	254			
25	83.4	81.5	81.2	82.5	84.3	86.3	89.6	94.4	99.4	111	101	91.1	86.7	84.9	83.6	83.1			
30	70.3	69.1	69.1	69.8	70.8	71.6	73.0	73.6	75.1	75.7	75.3	74.8	73.1	71.4	69.7	69.3			
35	58.6	58.6	58.3	58.6	59.3	59.7	59.9	60.7	62.1	62.3	61.7	61.3	59.9	60.0	59.2	58.4			
40	41.5	41.0	41.1	42.4	44.1	46.5	50.0	49.4	50.2	50.3	50.5	49.9	45.8	43.7	42.2	41.4			
45	31.3	30.9	30.9	31.5	32.5	33.5	34.3	34.8	35.5	35.5	35.2	34.3	33.4	32.3	31.6	31.1			
50	24.0	23.6	23.6	24.1	24.8	25.5	26.1	26.5	27.1	27.2	26.9	26.3	25.6	24.8	24.2	23.9			
55	18.3	18.1	18.1	18.4	19.0	19.5	20.0	20.4	20.8	20.9	20.8	20.2	19.7	19.0	18.6	18.2			
60	13.8	13.6	13.6	14.0	14.4	14.9	15.2	15.5	15.9	15.9	15.8	15.4	15.0	14.5	14.1	13.8			
65	10.2	10.0	10.0	10.3	10.6	11.1	11.3	11.6	11.9	11.9	11.9	11.5	11.1	10.7	10.4	10.1			
70	7.11	6.99	6.99	7.22	7.52	7.86	8.10	8.29	8.54	8.59	8.54	8.23	7.94	7.57	7.31	7.11			
75	4.61	4.51	4.51	4.70	4.96	5.23	5.44	5.61	5.79	5.84	5.79	5.56	5.30	5.01	4.77	4.63			
80	2.58	2.51	2.49	2.65	2.84	3.09	3.27	3.41	3.55	3.57	3.55	3.35	3.15	2.90	2.73	2.61			
85	0.16	0.85	0.86	0.95	1.13	1.34	1.52	1.64	0.36	1.78	1.74	1.60	1.42	1.24	1.08	1.00			
90	0.03	0.04	0.03	0.04	0.04	0.03	0.11	0.21	0.10	0.34	0.30	0.21	0.04	0.02	0.01	0.02			
95	0.04	0.06	0.05	0.06	0.05	0.05	0.04	0.04	0.03	0.02	0.02	0.02	0.03	0.02	0.03	0.02			
100	0.06	0.09	0.05	0.08	0.06	0.08	0.05	0.07	0.04	0.02	0.04	0.02	0.05	0.03	0.04	0.03			
105	0.09	0.10	0.09	0.11	0.09	0.10	0.07	0.09	0.06	0.05	0.05	0.06	0.06	0.05	0.06	0.05			
110	0.11	0.13	0.12	0.14	0.12	0.14	0.11	0.12	0.09	0.06	0.08	0.06	0.09	0.07	0.08	0.07			
115	0.16	0.17	0.16	0.20	0.17	0.18	0.14	0.16	0.11	0.08	0.11	0.10	0.12	0.11	0.11	0.12			
120	0.20	0.21	0.18	0.24	0.23	0.22	0.17	0.20	0.15	0.12	0.14	0.13	0.16	0.14	0.15	0.13			
125	0.25	0.26	0.23	0.28	0.28	0.26	0.22	0.24	0.18	0.16	0.18	0.18	0.20	0.18	0.19	0.17			
130	0.35	0.36	0.33	0.39	0.36	0.35	0.27	0.30	0.24	0.20	0.22	0.23	0.26	0.23	0.26	0.25			
135	0.58	0.60	0.58	0.61	0.58	0.53	0.46	0.46	0.36	0.32	0.33	0.34	0.40	0.39	0.43	0.43			
140	1.02	1.03	1.03	1.00	0.92	0.88	0.80	0.78	0.62	0.57	0.60	0.62	0.70	0.73	0.78	0.79			
145	1.73	1.74	1.75	1.67	1.58	1.46	1.36	1.31	1.04	0.99	1.03	1.08	1.18	1.21	1.26	1.30			
150	2.58	2.57	2.57	2.55	2.43	2.29	2.09	2.05	1.58	1.53	1.58	1.66	1.75	1.82	1.84	1.88			
155	3.38	3.39	3.43	3.52	3.48	3.15	2.96	2.89	2.17	2.13	2.17	2.26	2.37	2.41	2.40	2.39			
160	4.19	4.10	4.05	4.05	4.06	3.89	3.75	3.71	2.74	2.67	2.66	2.79	2.78	2.85	2.85	2.87			
165	4.91	4.53	4.25	4.45	4.65	4.54	4.22	4.52	3.31	3.01	3.02	3.18	3.14	3.05	2.97	3.15			
170	5.47	5.05	4.63	4.87	5.13	4.88	4.81	5.32	3.50	3.32	3.19	3.18	3.16	3.01	3.09	3.38			
175	4.95	4.69	4.68	4.67	4.78	4.67	4.96	4.92	3.49	3.56	3.51	3.51	3.34	3.40	3.38	3.53			
180	4.20	4.01	4.25	4.16	4.40	4.19	4.38	4.14	4.20	3.99	4.24	4.14	4.39	4.19	4.37	4.13			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: MEDIUM

Temperature:25.3DEG

Operators:XXXX

Test Date:04 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: