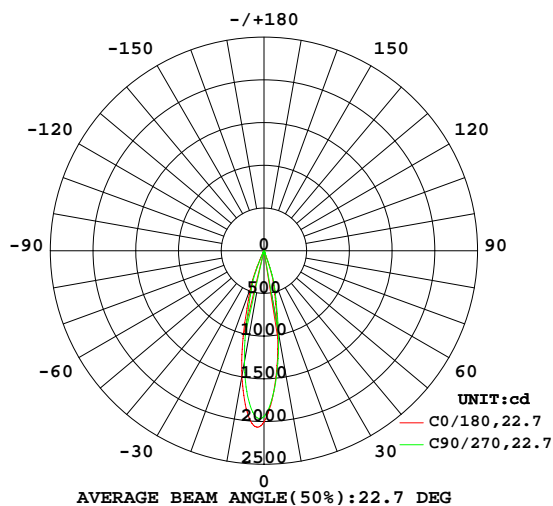


LUMINAIRE PHOTOMETRIC TEST REPORT

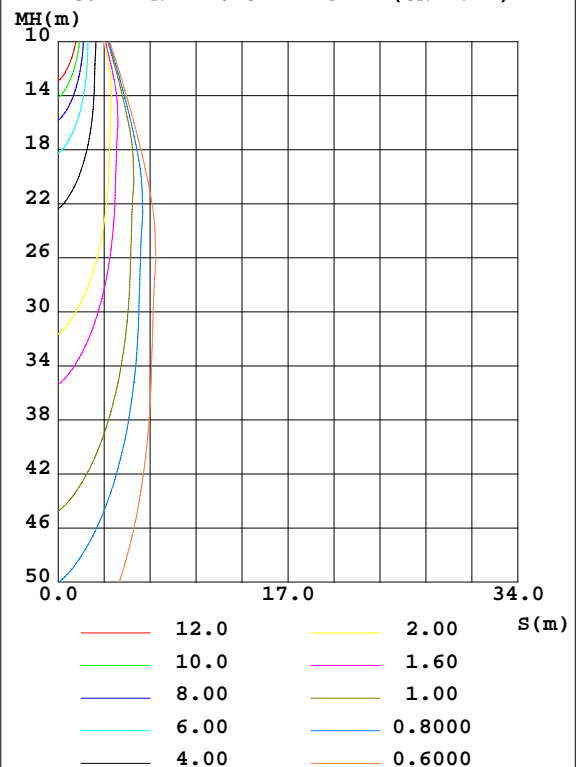
NAME: DL3026B927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 38.73 lm/W			
MODEL	DL3026B927	Imax(cd)	2077	S/MH(C0/180)	0.46
NOMINAL POWER(W)	9	LOR(%)	100.0	S/MH(C90/270)	0.43
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	373.29	η UP,DN(C0-180)	0.5,42.1
NOMINAL FLUX(lm)	373.293	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.3,57.0
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	912.0	830.9	978.6	1247	1490	1571	1323	1028	0- 10	145.4	145.4	39,39
20	127.7	76.79	170.1	356.8	458.3	484.5	393.6	230.6	10- 20	178.5	323.9	86.8,86.8
30	15.11	13.49	15.30	18.66	21.81	23.19	21.25	16.07	20- 30	37.52	361.4	96.8,96.8
40	1.796	1.571	2.287	7.697	8.245	7.681	6.967	2.529	30- 40	6.795	368.2	98.6,98.6
50	0.3745	0.3425	0.4244	0.6746	0.9524	1.009	0.7323	0.4480	40- 50	1.353	369.6	99,99
60	0.1354	0.1248	0.1320	0.1819	0.2204	0.2277	0.1849	0.1279	50- 60	0.2974	369.9	99.1,99.1
70	0.0499	0.0428	0.0499	0.0571	0.0533	0.0534	0.0533	0.0283	60- 70	0.0964	370.0	99.1,99.1
80	0.0177	0.0071	0.0177	0.0144	0.0070	0	0	0	70- 80	0.0252	370.0	99.1,99.1
90	0	0	0	0	0	0	0	0	80- 90	0.0025	370.0	99.1,99.1
100	0	0	0	0	0	0	0	0	90-100	0	370.0	99.1,99.1
110	0.0036	0	0	0	0	0	0	0	100-110	0.0002	370.0	99.1,99.1
120	0.0071	0.0036	0.0071	0.0001	0.0001	0	0	0.0036	110-120	0.0016	370.0	99.1,99.1
130	0.1102	0.1173	0.0779	0.0283	0.0180	0.0179	0.0285	0.0466	120-130	0.0145	370.0	99.1,99.1
140	0.7928	0.8849	0.6789	0.4585	0.3069	0.2606	0.3392	0.5030	130-140	0.1739	370.2	99.2,99.2
150	2.388	2.519	2.224	1.765	1.205	1.105	1.266	1.522	140-150	0.6611	370.9	99.3,99.3
160	3.951	3.867	3.888	3.407	2.323	2.216	2.376	2.508	150-160	1.113	372.0	99.6,99.6
170	5.210	4.262	4.814	4.440	3.024	2.806	2.813	2.789	160-170	0.9621	372.9	99.9,99.9
180	3.689	3.757	3.935	4.017	3.703	3.764	3.928	4.006	170-180	0.3602	373.3	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 369.21 lm

%lum = 98.9%

%lamp = 98.9%

Conical surface Flux(120deg): 369.88 lm

%lum = 99.1%

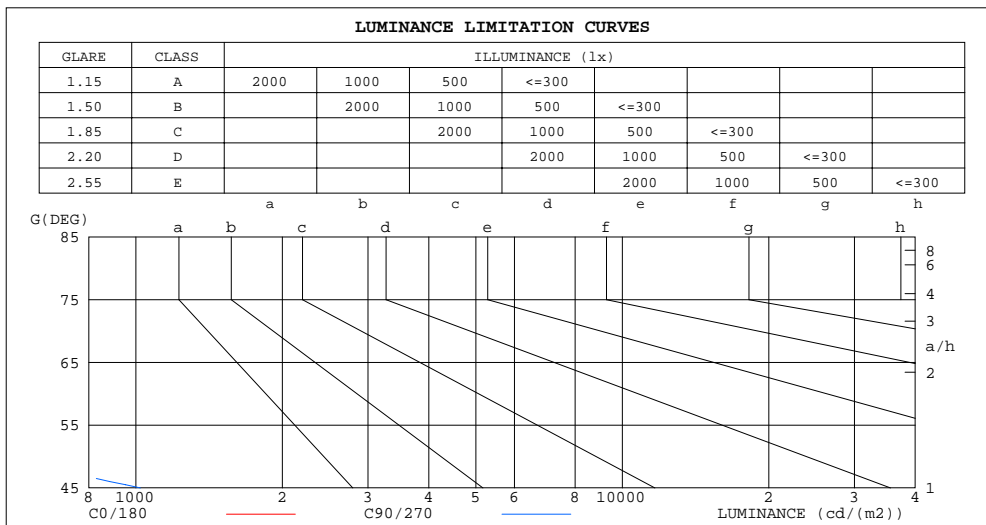
%lamp = 99.1%

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: DL3026B927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	0	33
80	82	82
75	88	77
70	117	117
65	148	155
60	217	211
55	299	318
50	466	528
45	840	1021

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: DL3026B927	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	.131	.074	.024	.124	.071	.022	.111	.064	.020	.099	.057	.018	.089	.051	.017	
2.0	.121	.066	.020	.115	.063	.019	.104	.058	.018	.095	.053	.017	.085	.048	.015	
3.0	.112	.060	.018	.107	.057	.017	.098	.053	.016	.090	.049	.015	.082	.046	.014	
4.0	.104	.054	.016	.100	.053	.016	.093	.049	.015	.086	.046	.014	.080	.043	.013	
5.0	.098	.050	.014	.095	.049	.014	.088	.046	.014	.082	.043	.013	.077	.041	.012	
6.0	.093	.046	.013	.090	.045	.013	.084	.043	.013	.079	.041	.012	.074	.039	.012	
7.0	.088	.043	.012	.085	.042	.012	.080	.041	.012	.076	.039	.011	.072	.037	.011	
8.0	.084	.041	.011	.081	.040	.011	.077	.039	.011	.073	.037	.011	.069	.036	.010	
9.0	.080	.039	.011	.078	.038	.011	.074	.037	.010	.071	.035	.010	.067	.034	.010	
10.0	.076	.037	.010	.075	.036	.010	.071	.035	.010	.068	.034	.010	.065	.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	.169	.169	.169	.115	.115	.115	.066	.066	.066	.021	.021	.021		
1.0	.175	.164	.155	.149	.141	.134	.102	.097	.092	.059	.056	.054	.019	.018	.017		
2.0	.156	.140	.126	.134	.120	.109	.092	.083	.076	.053	.048	.044	.017	.016	.014		
3.0	.141	.120	.104	.121	.104	.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	.100	.074	.055	.086	.064	.048	.060	.045	.034	.035	.026	.020	.011	.009	.007		
8.0	.094	.067	.049	.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	.057	.039	.072	.049	.034	.050	.035	.024	.029	.020	.014	.009	.007	.005		

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: DL3026B927					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					5.2	5.8	5.4	6.0	6.1	5.1	5.7	5.3	5.8	6.0
3H					5.1	5.6	5.3	5.8	6.0	4.9	5.5	5.2	5.7	5.9
4H					5.0	5.5	5.3	5.8	6.0	4.9	5.4	5.1	5.6	5.8
6H					4.9	5.4	5.2	5.7	5.9	4.8	5.3	5.1	5.5	5.8
8H					4.9	5.4	5.2	5.6	5.9	4.7	5.2	5.0	5.5	5.7
12H					4.8	5.3	5.1	5.6	5.8	4.7	5.2	5.0	5.4	5.7
4H 2H					5.0	5.5	5.3	5.8	6.0	4.8	5.4	5.1	5.6	5.8
3H					4.8	5.3	5.1	5.6	5.9	4.7	5.2	5.0	5.4	5.7
4H					4.7	5.2	5.1	5.5	5.8	4.6	5.0	4.9	5.3	5.6
6H					4.6	5.0	5.0	5.4	5.7	4.5	4.9	4.9	5.2	5.6
8H					4.6	4.9	5.0	5.3	5.7	4.4	4.8	4.8	5.1	5.5
12H					4.5	4.8	4.9	5.2	5.6	4.4	4.7	4.8	5.1	5.5
8H 4H					4.6	4.9	5.0	5.3	5.7	4.4	4.8	4.8	5.1	5.5
6H					4.5	4.8	4.9	5.2	5.6	4.3	4.6	4.7	5.0	5.4
8H					4.4	4.7	4.8	5.1	5.5	4.2	4.5	4.7	4.9	5.4
12H					4.3	4.6	4.8	5.0	5.5	4.2	4.4	4.7	4.9	5.4
12H 4H					4.5	4.8	4.9	5.2	5.6	4.4	4.7	4.8	5.1	5.5
6H					4.4	4.7	4.8	5.1	5.5	4.2	4.5	4.7	4.9	5.4
8H					4.3	4.6	4.8	5.0	5.5	4.2	4.4	4.7	4.9	5.3
Variations with the observer position at spacings:														
S = 1.0H					+ 6.2 / -11.6					+ 5.9 / -11.9				
1.5H					+ 8.8 / - 9.9					+ 8.4 / -10.2				
2.0H					+ 5.3 / - 5.3					+ 6.1 / - 6.3				

CIE Pub.117, 373.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -3.4)

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: DL3026B927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

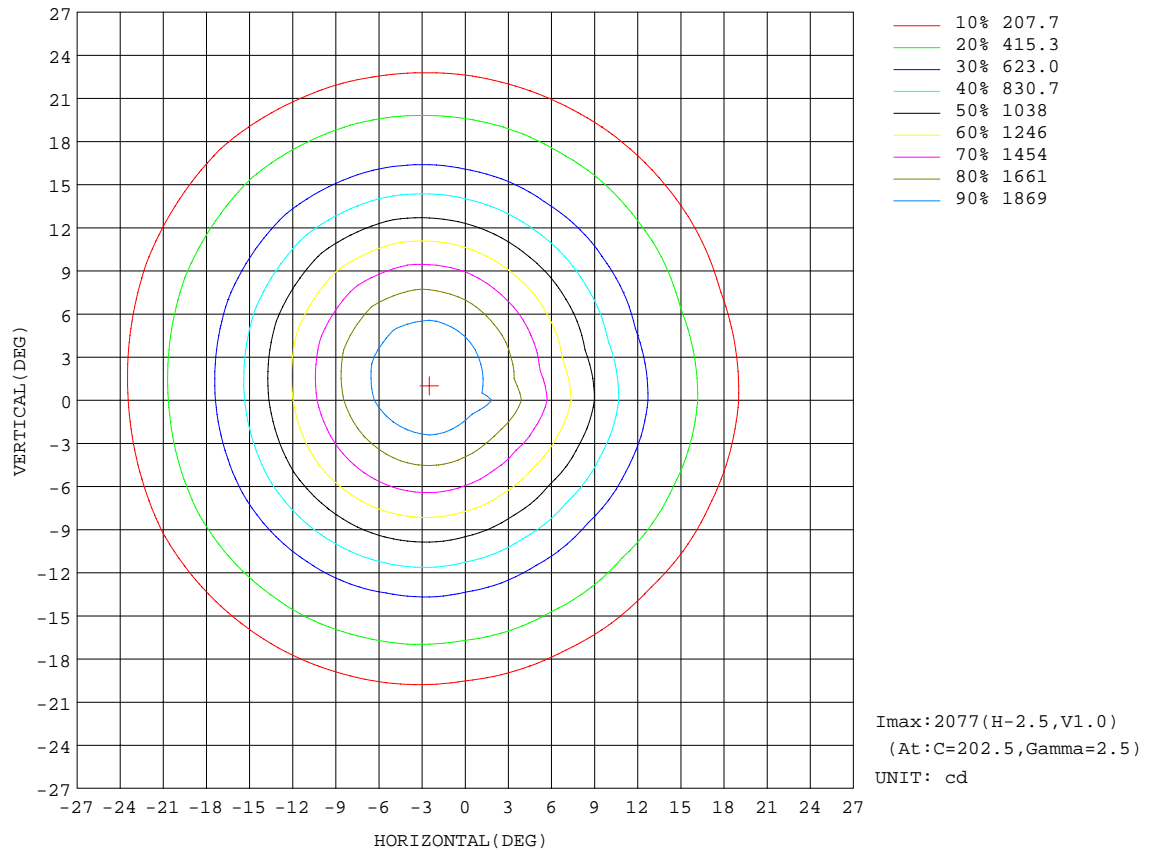
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	91	85	82	90	85	82	89	84	81	78
0.80	98	92	89	97	92	89	96	91	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: 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: DL3026B927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

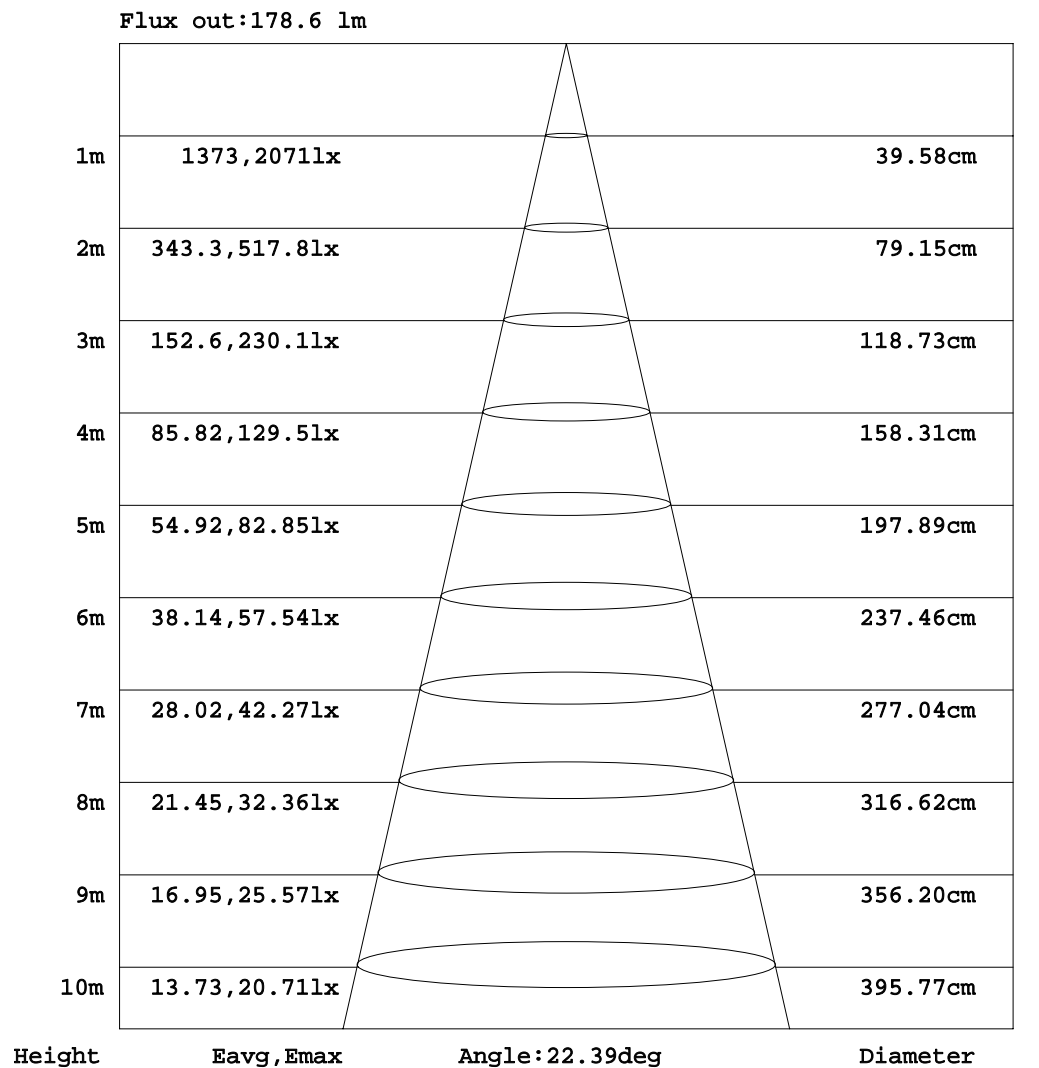


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature: 25.3DEG
 Operators: XXXX
 Test Date: 04 March 2017

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: DL3026B927	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting Limited	SUR.:	Shielding Angle:

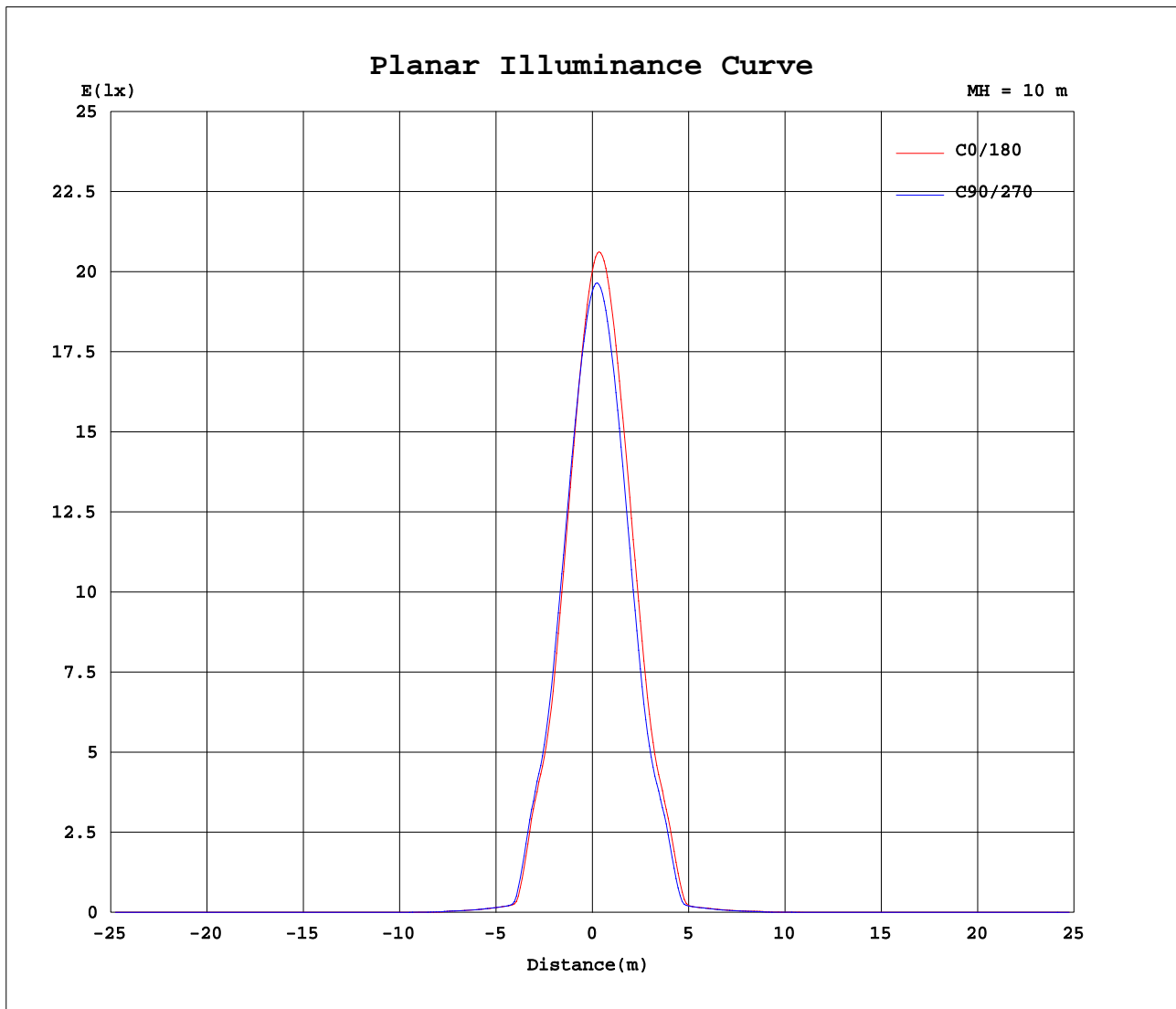


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: MEDIUM
 Temperature:25.3DEG
 Operators:XXXX
 Test Date: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: DL3026B927	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	2003	1979	1956	1944	1940	1935	1937	1935	2003	1979	1956	1944	1940	1935	1937	1935			
5	1537	1477	1448	1483	1554	1650	1753	1857	1971	2016	2000	1939	1829	1713	1608	1521			
10	912	849	831	879	979	1107	1247	1381	1490	1563	1571	1475	1323	1159	1028	919			
15	479	453	441	467	509	583	680	792	872	939	946	852	722	608	531	480			
20	128	89.6	76.8	106	170	268	357	421	458	483	484	454	394	322	231	148			
25	23.9	21.7	21.3	22.2	23.9	25.9	30.8	56.4	85.6	129	143	101	45.8	29.5	26.1	24.4			
30	15.1	13.7	13.5	14.4	15.3	17.0	18.7	20.6	21.8	22.3	23.2	22.7	21.3	19.0	16.1	14.8			
35	9.17	9.47	9.36	9.10	8.78	10.8	12.0	12.0	13.2	13.3	14.1	13.9	12.0	10.4	10.2	9.34			
40	1.80	1.61	1.57	1.79	2.29	3.35	7.70	8.81	8.24	7.55	7.68	7.17	6.97	4.03	2.53	1.87			
45	0.74	0.66	0.67	0.72	0.90	1.18	1.56	1.95	2.19	2.38	2.36	2.02	1.65	1.29	0.97	0.78			
50	0.37	0.33	0.34	0.34	0.42	0.50	0.67	0.84	0.95	1.05	1.01	0.90	0.73	0.60	0.45	0.40			
55	0.21	0.17	0.20	0.18	0.23	0.25	0.33	0.38	0.44	0.50	0.46	0.44	0.36	0.31	0.23	0.22			
60	0.14	0.10	0.12	0.11	0.13	0.13	0.18	0.19	0.22	0.26	0.23	0.24	0.18	0.18	0.13	0.14			
65	0.08	0.05	0.07	0.05	0.08	0.07	0.11	0.11	0.11	0.14	0.12	0.14	0.11	0.11	0.06	0.08			
70	0.05	0.02	0.04	0.02	0.05	0.04	0.06	0.05	0.05	0.08	0.05	0.08	0.05	0.06	0.03	0.05			
75	0.03	0.00	0.02	0.00	0.02	0.00	0.03	0.01	0.02	0.04	0.02	0.05	0.01	0.03	0.00	0.03			
80	0.02	0.00	0.01	0.00	0.02	0.00	0.01	0.00	0.01	0.02	0.00	0.02	0.00	0.01	0.00	0.01			
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	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	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
120	0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
125	0.01	0.04	0.01	0.03	0.01	0.02	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.00	0.01	0.00			
130	0.11	0.14	0.12	0.13	0.08	0.07	0.03	0.04	0.02	0.00	0.02	0.00	0.03	0.00	0.05	0.05			
135	0.34	0.40	0.39	0.36	0.27	0.23	0.17	0.15	0.10	0.05	0.08	0.06	0.11	0.12	0.19	0.22			
140	0.79	0.89	0.88	0.81	0.68	0.58	0.46	0.40	0.31	0.25	0.26	0.27	0.34	0.39	0.50	0.55			
145	1.52	1.62	1.64	1.53	1.36	1.18	1.00	0.89	0.69	0.61	0.62	0.63	0.73	0.83	0.95	1.04			
150	2.39	2.47	2.52	2.42	2.22	2.00	1.76	1.61	1.21	1.10	1.11	1.14	1.27	1.39	1.52	1.64			
155	3.20	3.27	3.36	3.46	3.35	2.91	2.64	2.47	1.80	1.72	1.70	1.75	1.89	2.00	2.08	2.14			
160	3.95	3.88	3.87	3.89	3.89	3.58	3.41	3.26	2.32	2.24	2.22	2.30	2.38	2.41	2.51	2.58			
165	4.61	4.21	3.92	4.21	4.42	4.11	3.86	3.99	2.85	2.62	2.61	2.70	2.77	2.68	2.62	2.82			
170	5.21	4.74	4.26	4.57	4.81	4.49	4.44	4.78	3.02	2.89	2.81	2.78	2.81	2.66	2.79	3.10			
175	4.64	4.28	4.23	4.18	4.33	4.28	4.59	4.62	3.07	3.15	3.10	3.08	2.94	3.02	3.06	3.24			
180	3.69	3.52	3.76	3.70	3.93	3.79	4.02	3.84	3.70	3.49	3.76	3.69	3.93	3.78	4.01	3.82			

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: