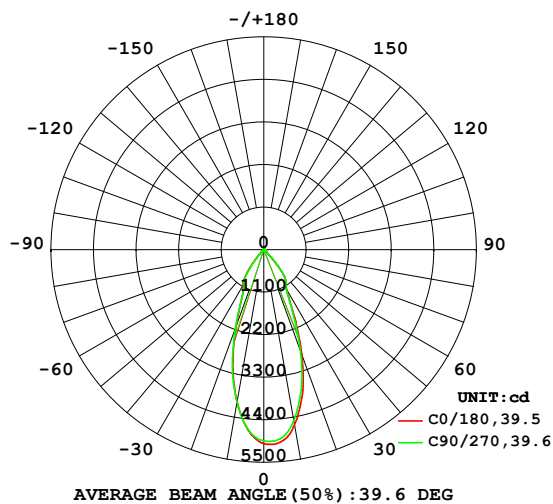


LUMINAIRE PHOTOMETRIC TEST REPORT

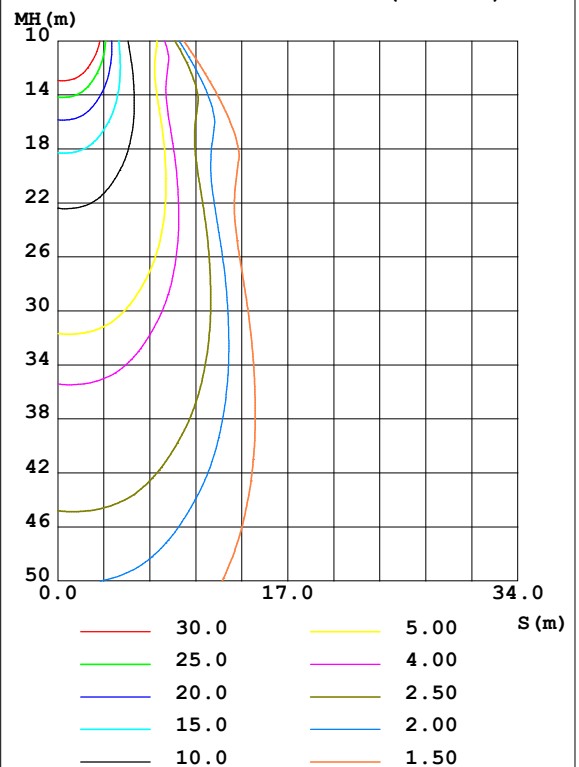
NAME: PL3030 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 79.45 lm/W			
MODEL	PL3030 3000K 36D	I _{max} (cd)	5040	S/MH(C0/180)	0.58
NOMINAL POWER(W)	36.2	LOR(%)	100.0	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2882.1	□ UP,DN(C0-180)	0.7,54.5
NOMINAL FLUX(lm)	2882.09	CIE CLASS	DIRECT	□ UP,DN(C180-360)	0.7,44.2
LAMPS INSIDE	1	□ up(%)	1.4	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	□ down(%)	98.6	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: DAMIN
 Test Date: 28 September 2022

□ Range: 0 - 180DEG
 □ 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:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	4601	4631	4483	4271	3991	3959	4003	4146	0- 10	440.2	440.2	15.3,15.3
20	2883	2924	2767	2506	2088	2058	2138	2324	10- 20	940.1	1380	47.9,47.9
30	1180	1208	1171	1121	1063	1026	1023	1047	20- 30	735.6	2116	73.4,73.4
40	668.2	713.3	679.5	576.3	355.3	308.7	321.4	410.4	30- 40	533.7	2650	91.9,91.9
50	52.00	54.51	52.93	48.92	43.73	42.29	42.38	43.86	40- 50	139.4	2789	96.8,96.8
60	26.19	26.18	26.13	24.16	20.48	20.26	20.21	21.24	50- 60	30.33	2819	97.8,97.8
70	10.58	10.83	10.25	9.475	7.742	7.340	7.459	8.093	60- 70	14.97	2834	98.3,98.3
80	5.476	6.268	5.661	4.883	2.965	2.588	2.525	4.105	70- 80	7.100	2841	98.6,98.6
90	0.1887	0.1816	0.1959	0.1781	0.2031	0.1995	0.1924	0.1746	80- 90	1.490	2843	98.6,98.6
100	0.3061	0.2812	0.2917	0.3025	0.3422	0.3423	0.3351	0.3136	90-100	0.2560	2843	98.6,98.6
110	0.9067	0.8214	0.8534	0.9317	1.116	1.162	1.119	1.002	100-110	0.5992	2844	98.7,98.7
120	2.515	2.344	2.398	2.544	2.847	2.894	2.790	2.577	110-120	1.699	2845	98.7,98.7
130	5.699	5.404	5.543	5.863	5.963	6.010	5.714	5.236	120-130	3.501	2849	98.8,98.8
140	12.56	11.53	12.05	12.60	12.09	11.95	11.47	10.48	130-140	6.478	2855	99.1,99.1
150	19.67	17.59	18.76	18.40	16.97	16.58	15.74	15.27	140-150	9.153	2864	99.4,99.4
160	23.18	21.84	23.57	22.11	20.33	19.16	20.28	17.93	150-160	8.888	2873	99.7,99.7
170	30.62	25.65	25.92	25.40	23.71	22.16	21.35	20.12	160-170	6.422	2880	99.9,99.9
180	25.93	25.71	24.98	24.79	26.06	25.84	25.04	24.83	170-180	2.332	2882	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2758.9 lm

%lum = 95.7%

%lamp = 95.7%

Conical surface Flux(120deg): 2819.2 lm

%lum = 97.8%

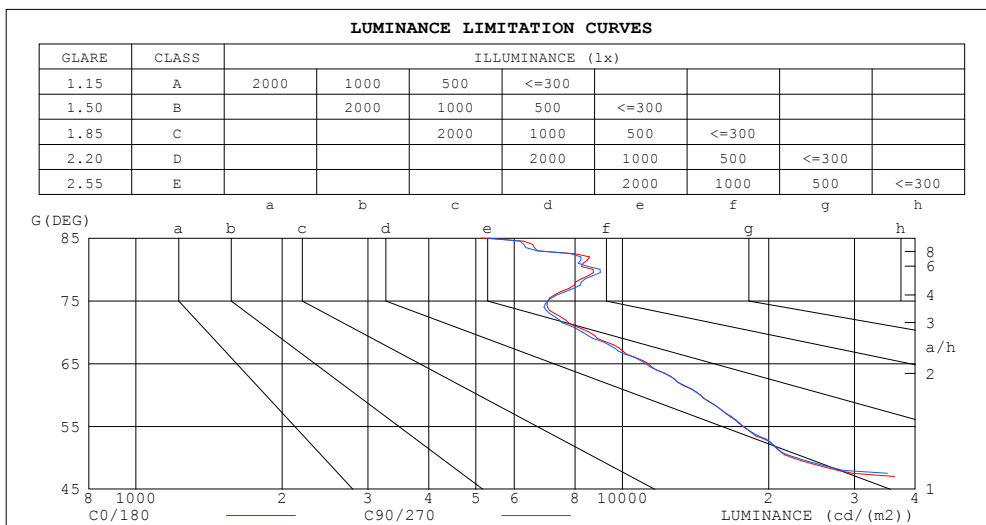
%lamp = 97.8%

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:28 September 2022

□ Range: 0 - 180DEG
 □ 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: PL3030 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	5134	5296
80	8711	9006
75	7032	7023
70	8548	8278
65	11294	11184
60	14469	14435
55	17684	17723
50	22348	22746
45	76321	87417

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 28 September 2022

☐ Range: 0 - 180DEG
☐ 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: PL3030 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.172 .098 .031	.165 .094 .030	.152 .087 .028	.140 .081 .026	.128 .074 .024	
2.0	.164 .090 .028	.158 .087 .027	.147 .082 .025	.137 .077 .024	.127 .072 .023	
3.0	.156 .083 .025	.151 .081 .024	.141 .076 .023	.132 .072 .022	.124 .069 .021	
4.0	.148 .077 .023	.143 .075 .022	.135 .072 .021	.127 .068 .021	.120 .065 .020	
5.0	.141 .072 .021	.137 .070 .020	.129 .067 .020	.123 .065 .019	.116 .062 .019	
6.0	.134 .067 .019	.131 .066 .019	.124 .064 .019	.118 .061 .018	.113 .059 .018	
7.0	.128 .063 .018	.125 .062 .018	.119 .060 .017	.114 .058 .017	.109 .057 .017	
8.0	.122 .060 .017	.120 .059 .017	.114 .057 .016	.110 .056 .016	.105 .054 .016	
9.0	.117 .057 .016	.115 .056 .016	.110 .054 .015	.106 .053 .015	.102 .052 .015	
10.0	.112 .054 .015	.110 .053 .015	.106 .052 .015	.102 .051 .014	.098 .049 .014	

<input type="checkbox"/> cc	80%	70%	50%	30%	10%	0
<input type="checkbox"/> w	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
<input type="checkbox"/> fc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.201 .201 .201	.172 .172 .172	.117 .117 .117	.067 .067 .067	.022 .022 .022	
1.0	.181 .168 .156	.155 .144 .134	.106 .099 .093	.061 .057 .054	.020 .018 .017	
2.0	.166 .143 .124	.142 .123 .107	.097 .085 .075	.056 .050 .044	.018 .016 .014	
3.0	.153 .124 .101	.131 .107 .088	.090 .074 .061	.052 .043 .036	.017 .014 .012	
4.0	.143 .109 .084	.122 .095 .073	.084 .066 .051	.049 .039 .030	.016 .013 .010	
5.0	.134 .098 .071	.115 .085 .062	.079 .059 .044	.046 .035 .026	.015 .011 .009	
6.0	.126 .088 .061	.108 .077 .053	.075 .054 .038	.043 .032 .022	.014 .010 .007	
7.0	.119 .081 .054	.103 .070 .047	.071 .049 .033	.041 .029 .020	.013 .009 .007	
8.0	.114 .074 .048	.098 .065 .041	.068 .045 .029	.039 .027 .018	.013 .009 .006	
9.0	.108 .069 .043	.093 .060 .037	.065 .042 .026	.038 .025 .016	.012 .008 .005	
10.0	.104 .065 .039	.089 .056 .034	.062 .040 .024	.036 .023 .014	.012 .008 .005	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:28 September 2022

☐ Range: 0 - 180DEG
☐ 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: PL3030 3000K 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					20.7	21.6	21.0	21.8	22.0	20.7	21.6	21.0	21.8	22.0
3H					20.6	21.4	20.9	21.6	21.8	20.6	21.4	20.9	21.6	21.9
4H					20.5	21.3	20.8	21.5	21.8	20.5	21.3	20.8	21.5	21.8
6H					20.4	21.2	20.8	21.4	21.7	20.5	21.2	20.8	21.5	21.7
8H					20.4	21.1	20.7	21.4	21.7	20.4	21.1	20.8	21.4	21.7
12H					20.4	21.0	20.7	21.3	21.6	20.4	21.1	20.7	21.3	21.6
4H 2H					20.5	21.3	20.8	21.5	21.7	20.5	21.3	20.8	21.5	21.8
3H					20.3	21.0	20.7	21.3	21.6	20.4	21.0	20.7	21.3	21.6
4H					20.3	20.9	20.6	21.2	21.5	20.3	20.9	20.7	21.2	21.6
6H					20.2	20.7	20.6	21.1	21.5	20.2	20.8	20.6	21.1	21.5
8H					20.2	20.7	20.6	21.0	21.4	20.2	20.7	20.6	21.1	21.5
12H					20.1	20.6	20.6	21.0	21.4	20.2	20.6	20.6	21.0	21.4
8H 4H					20.1	20.6	20.6	21.0	21.4	20.2	20.7	20.6	21.0	21.4
6H					20.1	20.5	20.5	20.9	21.4	20.1	20.5	20.6	20.9	21.4
8H					20.1	20.4	20.5	20.9	21.3	20.1	20.4	20.6	20.9	21.4
12H					20.0	20.3	20.5	20.8	21.3	20.0	20.4	20.5	20.8	21.3
12H 4H					20.1	20.5	20.5	20.9	21.4	20.1	20.6	20.6	21.0	21.4
6H					20.0	20.4	20.5	20.8	21.3	20.1	20.4	20.5	20.9	21.3
8H					20.0	20.3	20.5	20.8	21.3	20.0	20.4	20.5	20.8	21.3
Variations with the observer position at spacings:														
S = 1.0H					+ 2.6 / - 9.3					+ 2.5 / - 9.3				
1.5H					+ 5.0 / - 8.6					+ 5.0 / - 8.6				
2.0H					+ 5.7 / - 2.5					+ 6.3 / - 2.8				

CIE Pub.117, 2882 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 3.7$)

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 28 September 2022

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

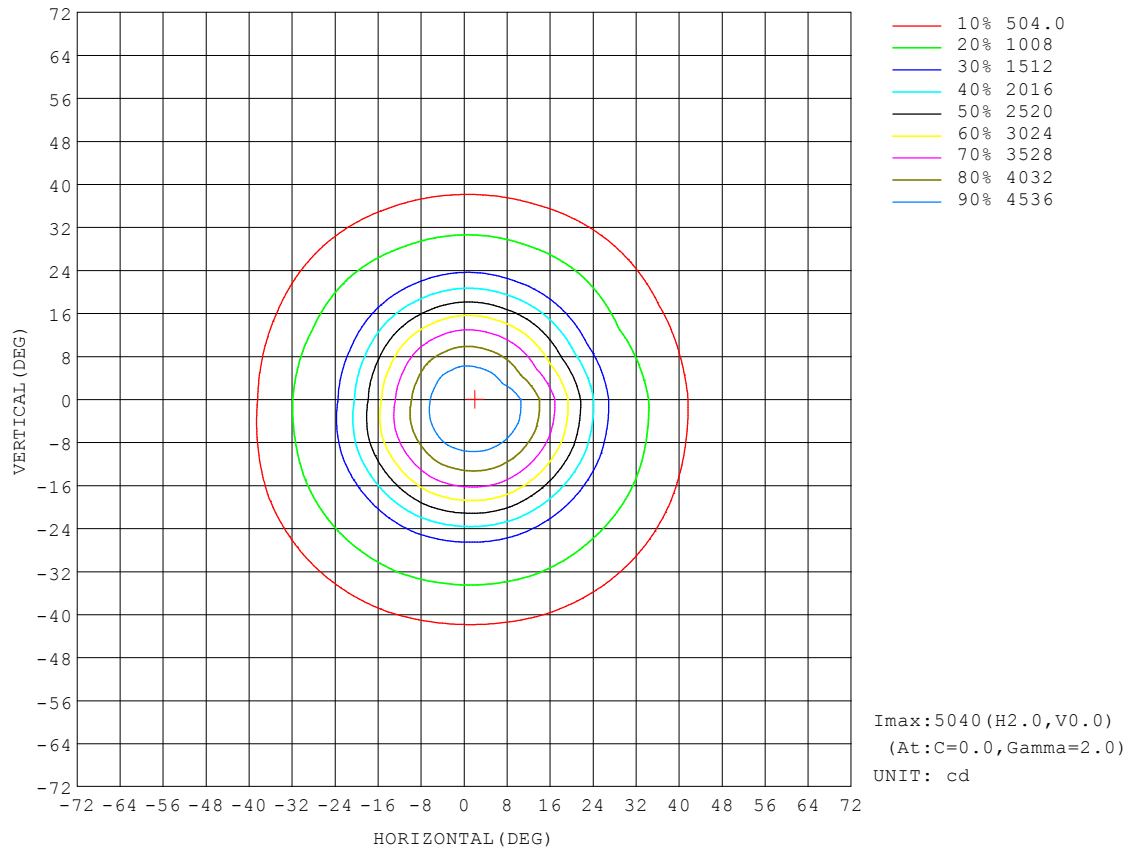
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Range: 0 - 180DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.650m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

NAME: PL3030 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

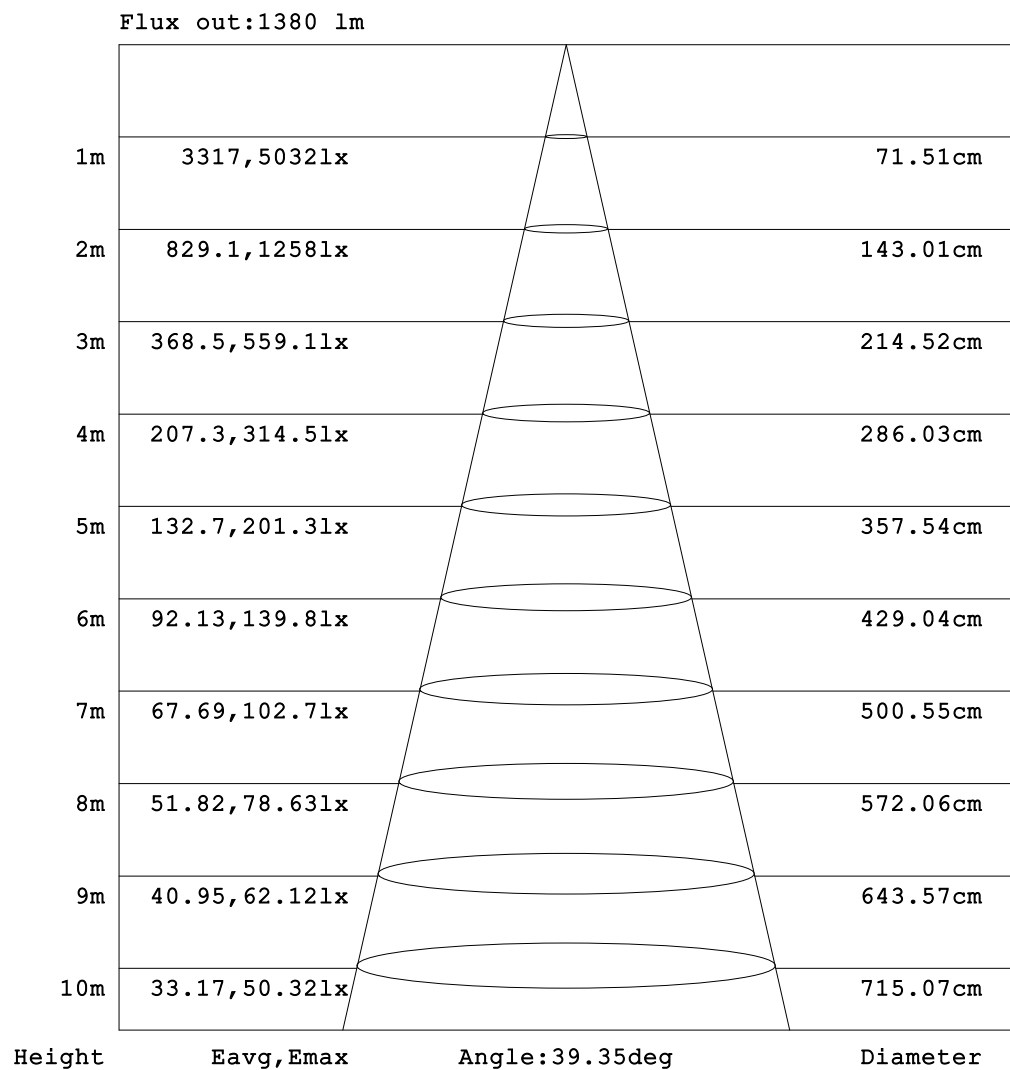


C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 28 September 2022

☐ Range: 0 - 180DEG
☐ 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: PL3030 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

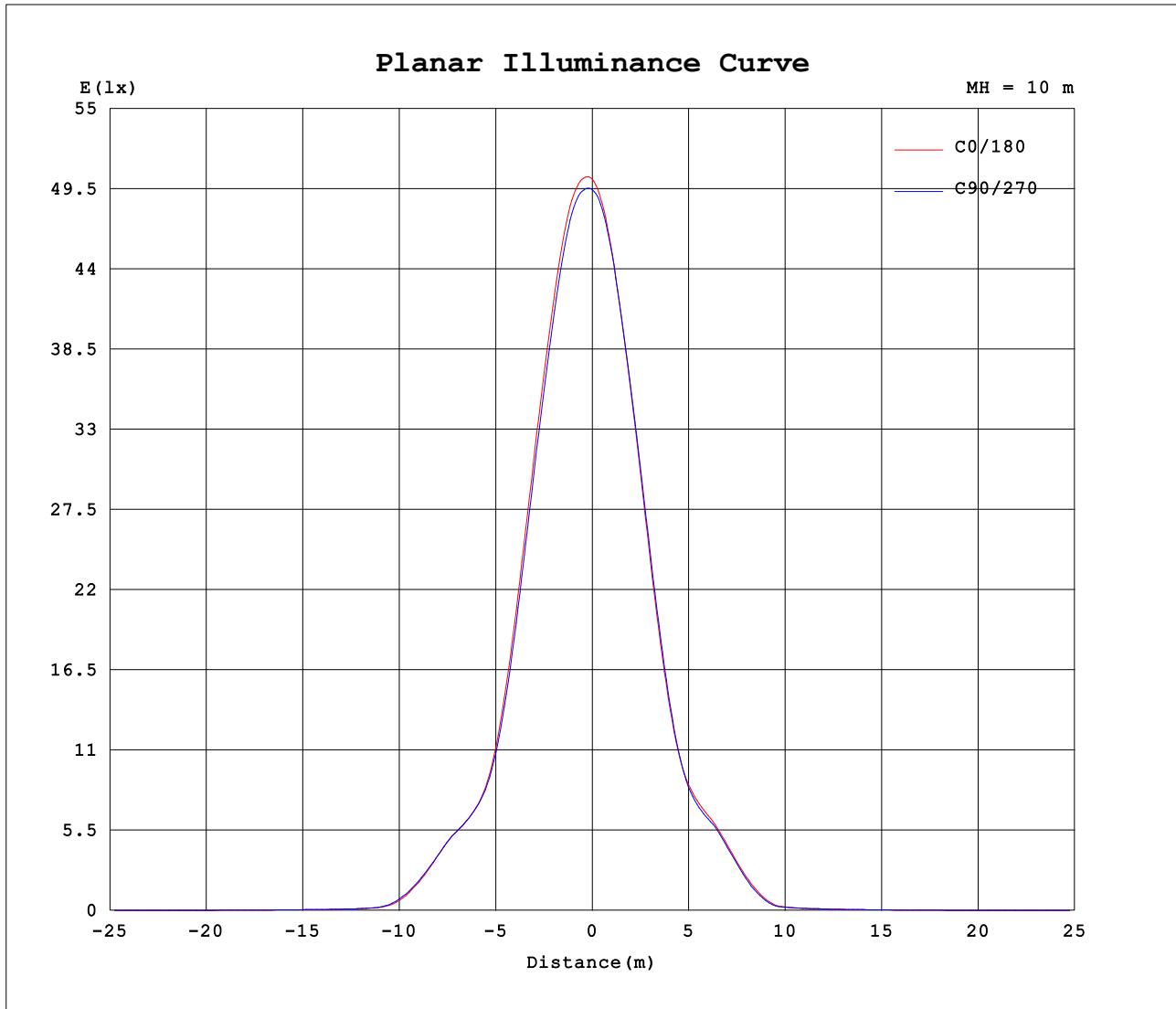


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:28 September 2022

☐ Range: 0 - 180DEG
☐ 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: HIGH
 Temperature: 25.3DEG
 Operators: DAMIN
 Test Date: 28 September 2022

☐ Range: 0 - 180DEG
☐ 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: PL3030 3000K 36D	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: VJC Lighting	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) □ (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	5017	4997	4984	4951	4943	4929	4917	4899	5017	4997	4984	4951	4943	4929	4917	4899			
5	4996	5001	4986	4948	4908	4861	4791	4720	4683	4639	4650	4634	4664	4684	4732	4770			
10	4601	4657	4631	4570	4483	4409	4271	4148	3991	3934	3959	3955	4003	4045	4146	4239			
15	3868	3938	3914	3855	3745	3652	3487	3334	3100	3029	3068	3075	3144	3197	3327	3451			
20	2883	2968	2924	2881	2767	2679	2506	2356	2088	2025	2058	2072	2138	2190	2324	2450			
25	1839	1916	1873	1846	1760	1710	1586	1487	1328	1278	1289	1297	1328	1354	1432	1511			
30	1180	1220	1208	1203	1171	1158	1121	1092	1063	1029	1026	1016	1023	1028	1047	1059			
35	990	1005	1000	1004	994	985	959	918	818	778	780	774	789	809	862	898			
40	668	719	713	717	680	646	576	509	355	310	309	304	321	346	410	478			
45	195	249	246	253	224	211	153	115	68.5	63.9	63.2	62.3	63.8	65.3	71.0	92.9			
50	52.0	56.1	54.5	55.3	52.9	53.8	48.9	47.1	43.7	42.2	42.3	42.0	42.4	42.7	43.9	45.8			
55	36.7	38.2	36.9	37.5	36.8	36.8	34.5	33.2	30.3	29.9	30.0	29.7	29.7	30.1	30.9	32.7			
60	26.2	27.0	26.2	26.6	26.1	25.9	24.2	22.9	20.5	20.1	20.3	20.1	20.2	20.5	21.2	22.4			
65	17.3	17.7	17.4	17.7	17.1	16.9	15.5	14.5	12.6	12.2	12.3	12.3	12.5	12.8	13.5	14.3			
70	10.6	10.9	10.8	10.9	10.2	10.1	9.47	8.81	7.74	7.33	7.34	7.27	7.46	7.59	8.09	8.59			
75	6.59	7.05	7.59	7.38	6.58	7.16	7.51	7.40	6.66	6.43	6.48	6.27	6.21	6.26	6.52	6.21			
80	5.48	6.05	6.27	6.13	5.66	5.70	4.88	4.85	2.97	2.71	2.59	2.65	2.53	3.07	4.10	4.42			
85	1.62	2.25	2.35	2.31	1.67	1.54	0.50	0.27	0.18	0.18	0.17	0.18	0.16	0.18	0.16	0.23			
90	0.19	0.18	0.18	0.18	0.20	0.18	0.18	0.20	0.20	0.18	0.20	0.17	0.19	0.18	0.17	0.17			
95	0.22	0.22	0.20	0.21	0.21	0.22	0.21	0.25	0.26	0.25	0.26	0.23	0.25	0.23	0.23	0.21			
100	0.31	0.31	0.28	0.30	0.29	0.31	0.30	0.34	0.34	0.33	0.34	0.33	0.34	0.32	0.31	0.28			
105	0.48	0.45	0.44	0.45	0.45	0.47	0.50	0.55	0.59	0.61	0.62	0.62	0.61	0.57	0.53	0.47			
110	0.91	0.82	0.82	0.82	0.85	0.87	0.93	1.01	1.12	1.17	1.16	1.16	1.12	1.09	1.00	0.92			
115	1.59	1.45	1.47	1.46	1.51	1.53	1.63	1.71	1.88	1.95	1.94	1.93	1.87	1.83	1.70	1.60			
120	2.52	2.33	2.34	2.33	2.40	2.42	2.54	2.68	2.85	2.90	2.89	2.85	2.79	2.71	2.58	2.45			
125	3.82	3.58	3.59	3.56	3.67	3.71	3.90	4.10	4.11	4.18	4.14	4.06	3.96	3.84	3.66	3.49			
130	5.70	5.40	5.40	5.38	5.54	5.60	5.86	6.17	5.96	6.07	6.01	5.88	5.71	5.52	5.24	4.96			
135	8.43	7.95	7.96	7.97	8.25	8.33	8.72	9.20	8.82	8.90	8.83	8.56	8.29	7.99	7.61	7.19			
140	12.6	11.7	11.5	11.6	12.0	12.1	12.6	13.2	12.1	12.0	11.9	11.6	11.5	11.0	10.5	10.0			
145	16.5	15.5	14.8	15.2	15.6	15.6	15.5	16.8	14.6	14.5	14.4	13.9	14.1	13.3	13.1	12.7			
150	19.7	18.3	17.6	18.2	18.8	18.6	18.4	19.5	17.0	16.5	16.6	16.1	15.7	15.6	15.3	14.6			
155	21.7	20.4	20.1	21.0	21.3	21.4	20.7	21.4	18.8	18.0	18.3	18.6	18.0	18.2	16.9	16.1			
160	23.2	22.2	21.8	23.0	23.6	23.8	22.1	22.5	20.3	19.3	19.2	20.9	20.3	20.0	17.9	17.6			
165	27.4	24.7	23.5	24.6	25.3	25.3	23.7	25.4	22.8	21.2	20.4	21.9	21.6	20.2	18.8	19.4			
170	30.6	27.9	25.6	25.8	25.9	25.7	25.4	28.1	23.7	23.1	22.2	21.5	21.4	20.3	20.1	21.1			
175	27.7	26.8	26.0	25.7	25.5	25.5	25.8	26.2	23.8	23.8	23.5	22.9	21.8	21.7	21.7	21.8			
180	25.9	25.5	25.7	24.8	25.0	24.3	24.8	24.0	26.1	25.3	25.8	24.7	25.0	24.2	24.8	23.9			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:DAMIN

Test Date:28 September 2022

□ Range: 0 - 180DEG

□ Interval: 0.5DEG

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

Humidity:65.0%

Test Distance:7.650m [K=1.0000]

Remarks: