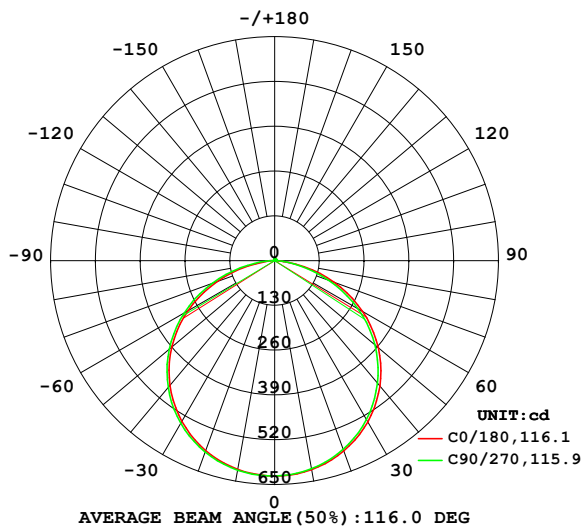


LUMINAIRE PHOTOMETRIC TEST REPORT

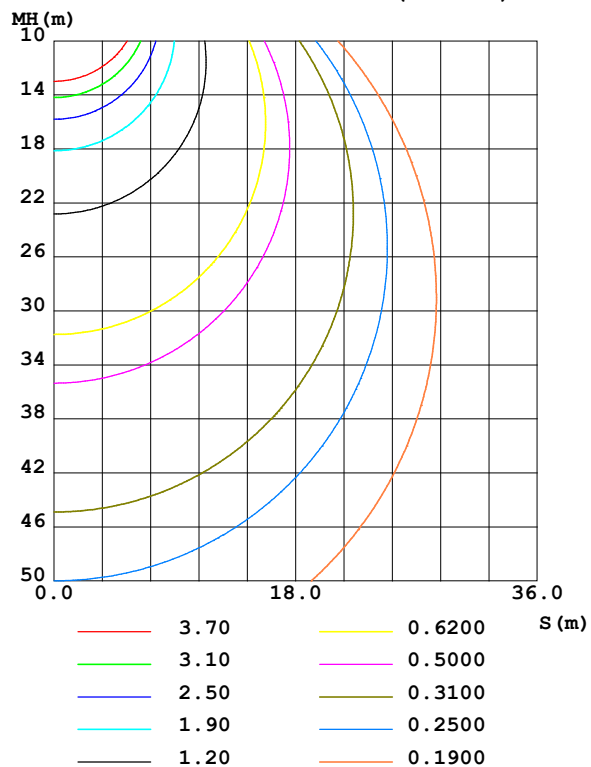
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 95.26 lm/W
MODEL	2700K+6000K	I _{max} (cd)	625.1	S/MH (C0/180)	1.28	
NOMINAL POWER(W)	22	LOR (%)	100.0	S/MH (C90/270)	1.30	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	1856.6	□ UP, DN (C0-180)	0.6,48.5	
NOMINAL FLUX(lm)	2.21023	CIE CLASS	DIRECT	□ UP, DN (C180-360)	0.5,50.3	
LAMPS INSIDE	840	□ up (%)	1.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	□ down (%)	98.9	CIBSE SHR MAX	1.35	

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:
Test Date:2022-05-12

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

°	C0	C45	C90	C135	C180	C225	C270	C315	°	□ zone	□ total	%lum, lamp
10	616.0	614.0	613.5	614.3	615.4	617.3	617.7	617.0	0- 10	59.22	59.22	3.19,3.19
20	587.7	583.8	582.7	584.4	586.5	590.4	591.0	589.7	10- 20	170.5	229.7	12.4,12.4
30	540.7	534.8	532.9	535.6	538.8	544.6	545.6	543.7	20- 30	260.8	490.5	26.4,26.4
40	475.5	466.7	464.4	467.0	472.9	480.2	480.9	478.8	30- 40	318.3	808.7	43.6,43.6
50	393.1	381.1	379.6	381.9	389.5	396.4	399.7	395.4	40- 50	334.2	1143	61.6,61.6
60	294.7	276.7	279.5	278.1	290.0	295.6	302.8	293.7	50- 60	304.6	1448	78,78
70	183.4	165.6	166.4	166.2	177.7	184.8	193.2	183.5	60- 70	231.2	1679	90.4,90.4
80	63.09	58.00	56.94	57.71	55.73	75.21	80.68	74.40	70- 80	127.5	1806	97.3,97.3
90	2.158	1.205	0.9410	0.9998	0.9657	4.154	5.736	4.210	80- 90	29.55	1836	98.9,98.9
100	1.491	1.605	1.682	1.677	1.431	1.245	1.218	1.202	90-100	1.392	1837	99,99
110	2.552	2.611	2.718	2.664	2.330	2.073	2.114	2.048	100-110	2.013	1839	99.1,99.1
120	3.490	3.524	3.619	3.589	3.170	2.970	2.953	2.932	110-120	2.804	1842	99.2,99.2
130	4.284	4.236	4.340	4.374	3.929	3.776	3.687	3.643	120-130	3.276	1845	99.4,99.4
140	4.936	4.778	4.886	5.025	4.569	4.413	4.251	4.206	130-140	3.353	1849	99.6,99.6
150	5.460	5.242	5.381	5.596	5.135	5.053	4.786	4.713	140-150	3.076	1852	99.7,99.7
160	5.962	5.723	5.928	6.133	5.730	5.734	5.466	5.329	150-160	2.517	1854	99.9,99.9
170	6.414	6.313	6.617	6.666	6.287	6.461	6.381	6.133	160-170	1.715	1856	100,100
180	6.729	6.820	7.081	6.866	6.729	6.820	7.079	6.866	170-180	0.6308	1857	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1010.2 lm

%lum = 54.4%

%lamp = 54.4%

Conical surface Flux(120deg): 1447.6 lm

%lum = 78.0%

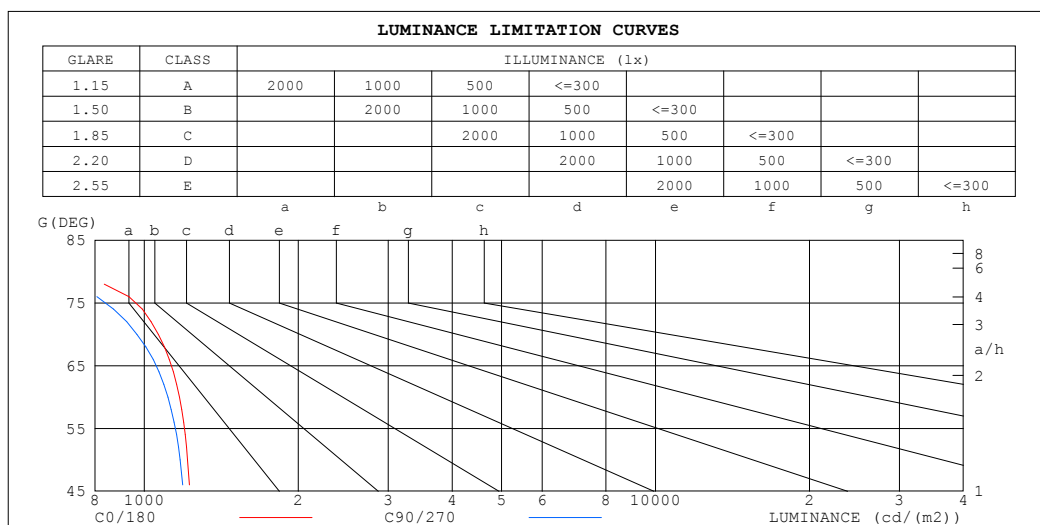
%lamp = 78.0%

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-12

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 0.503*0.235	Shielding Angle :



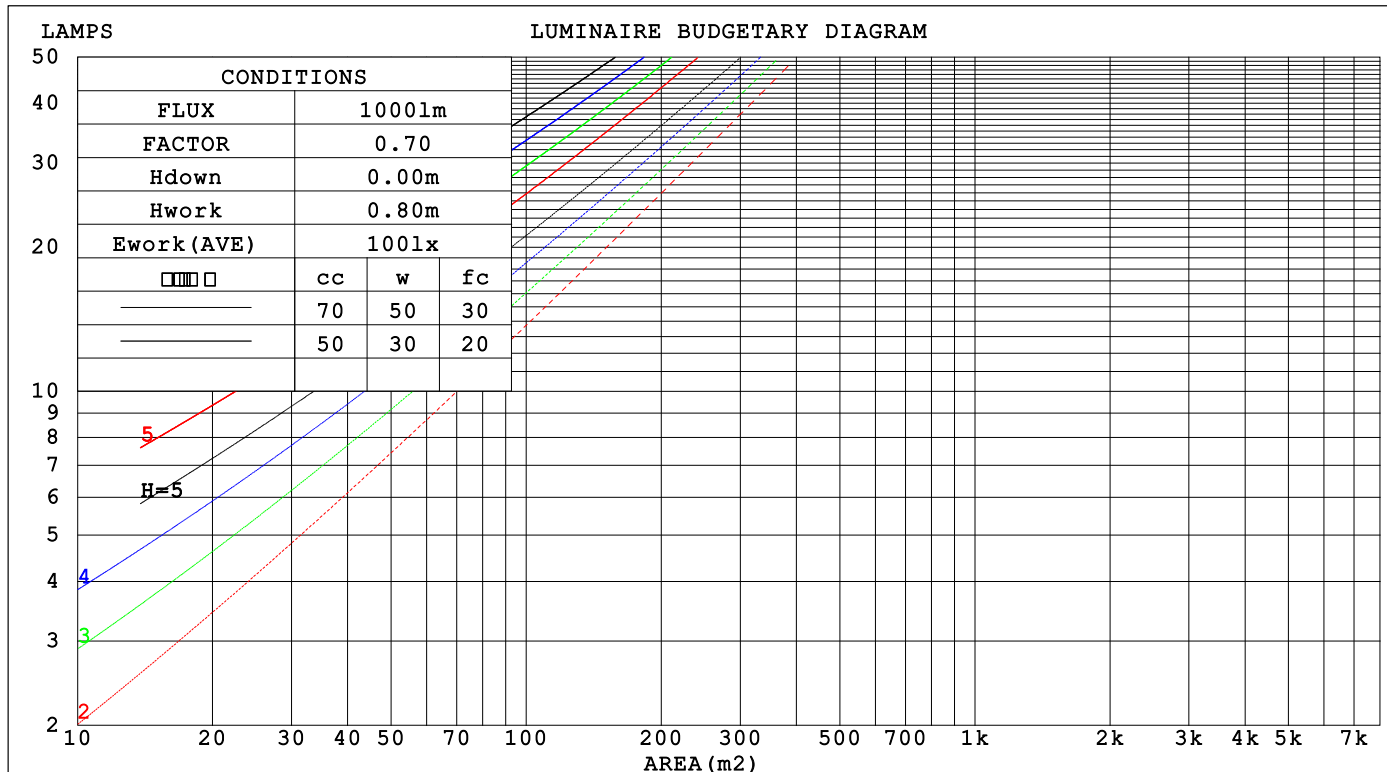
C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:

□cc	80%			70%			50%			30%			10%			0
□w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
□fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-12

□ Range: 0 - 180DEG
□ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

WEC AND CCEC

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	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	.308 .175 .055	.300 .171 .054	.286 .164 .052	.273 .158 .051	.262 .152 .049	
2.0	.291 .159 .049	.284 .157 .048	.272 .151 .047	.261 .146 .046	.250 .142 .045	
3.0	.270 .144 .043	.264 .141 .043	.253 .137 .042	.243 .133 .041	.234 .129 .040	
4.0	.249 .130 .038	.244 .128 .038	.234 .124 .037	.225 .121 .037	.217 .118 .036	
5.0	.231 .118 .034	.226 .116 .034	.217 .113 .033	.209 .110 .033	.202 .108 .032	
6.0	.214 .107 .031	.210 .106 .031	.202 .104 .030	.195 .101 .030	.188 .099 .029	
7.0	.199 .098 .028	.195 .097 .028	.189 .095 .027	.182 .093 .027	.176 .091 .027	
8.0	.186 .091 .026	.183 .090 .025	.177 .088 .025	.171 .086 .025	.165 .085 .025	
9.0	.174 .084 .024	.171 .084 .023	.166 .082 .023	.161 .080 .023	.156 .079 .023	
10.0	.164 .079 .022	.161 .078 .022	.156 .076 .022	.151 .075 .021	.147 .074 .021	

<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	.199 .199 .199	.170 .170 .170	.116 .116 .116	.067 .067 .067	.021 .021 .021	
1.0	.189 .165 .143	.161 .141 .123	.110 .097 .085	.064 .056 .050	.020 .018 .016	
2.0	.181 .141 .107	.155 .121 .092	.106 .084 .064	.061 .049 .038	.020 .016 .012	
3.0	.173 .123 .083	.148 .106 .072	.102 .074 .050	.059 .043 .030	.019 .014 .010	
4.0	.166 .110 .067	.142 .095 .058	.098 .066 .041	.057 .039 .024	.018 .013 .008	
5.0	.158 .099 .056	.136 .086 .049	.094 .060 .034	.054 .035 .020	.017 .012 .007	
6.0	.151 .091 .048	.130 .079 .042	.090 .055 .030	.052 .032 .018	.017 .011 .006	
7.0	.144 .084 .042	.124 .073 .037	.086 .051 .026	.050 .030 .015	.016 .010 .005	
8.0	.138 .078 .037	.119 .068 .033	.082 .048 .023	.048 .028 .014	.015 .009 .005	
9.0	.132 .073 .034	.114 .064 .030	.079 .045 .021	.046 .026 .013	.015 .009 .004	
10.0	.126 .069 .031	.109 .060 .027	.075 .042 .019	.044 .025 .012	.014 .008 .004	

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME:	TYPE:					WEIGHT:				
SPEC.:	DIM.:					SERIAL No.:				
MFR.:	SUR.: 0.503*0.235					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	11.3	12.8	11.6	13.0	13.3	11.1	12.6	11.4	12.8	13.1
3H	12.8	14.2	13.1	14.5	14.7	12.5	13.9	12.8	14.2	14.4
4H	13.4	14.7	13.7	15.0	15.3	13.0	14.3	13.3	14.6	14.9
6H	13.7	15.0	14.1	15.3	15.6	13.3	14.5	13.6	14.8	15.1
8H	13.8	15.0	14.1	15.3	15.6	13.3	14.5	13.7	14.8	15.2
12H	13.8	14.9	14.2	15.3	15.6	13.3	14.5	13.7	14.8	15.1
4H 2H	11.8	13.2	12.2	13.4	13.7	11.7	13.0	12.0	13.3	13.6
3H	13.5	14.7	13.9	15.0	15.3	13.3	14.4	13.6	14.7	15.1
4H	14.2	15.3	14.6	15.6	16.0	13.9	14.9	14.3	15.3	15.6
6H	14.6	15.6	15.1	16.0	16.3	14.2	15.2	14.7	15.6	15.9
8H	14.7	15.6	15.2	16.0	16.4	14.3	15.2	14.7	15.6	16.0
12H	14.8	15.6	15.2	16.0	16.4	14.3	15.1	14.8	15.5	16.0
8H 4H	14.4	15.3	14.8	15.7	16.1	14.1	15.0	14.5	15.4	15.8
6H	14.9	15.7	15.4	16.1	16.5	14.6	15.3	15.0	15.7	16.2
8H	15.1	15.7	15.6	16.2	16.7	14.7	15.3	15.2	15.8	16.2
12H	15.2	15.7	15.7	16.2	16.7	14.7	15.3	15.2	15.8	16.3
12H 4H	14.4	15.2	14.8	15.6	16.0	14.1	14.9	14.5	15.3	15.7
6H	15.0	15.6	15.4	16.0	16.5	14.6	15.2	15.1	15.7	16.1
8H	15.1	15.7	15.6	16.1	16.6	14.7	15.3	15.2	15.7	16.3
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 1857 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.1)
Area: 0.503 m2

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

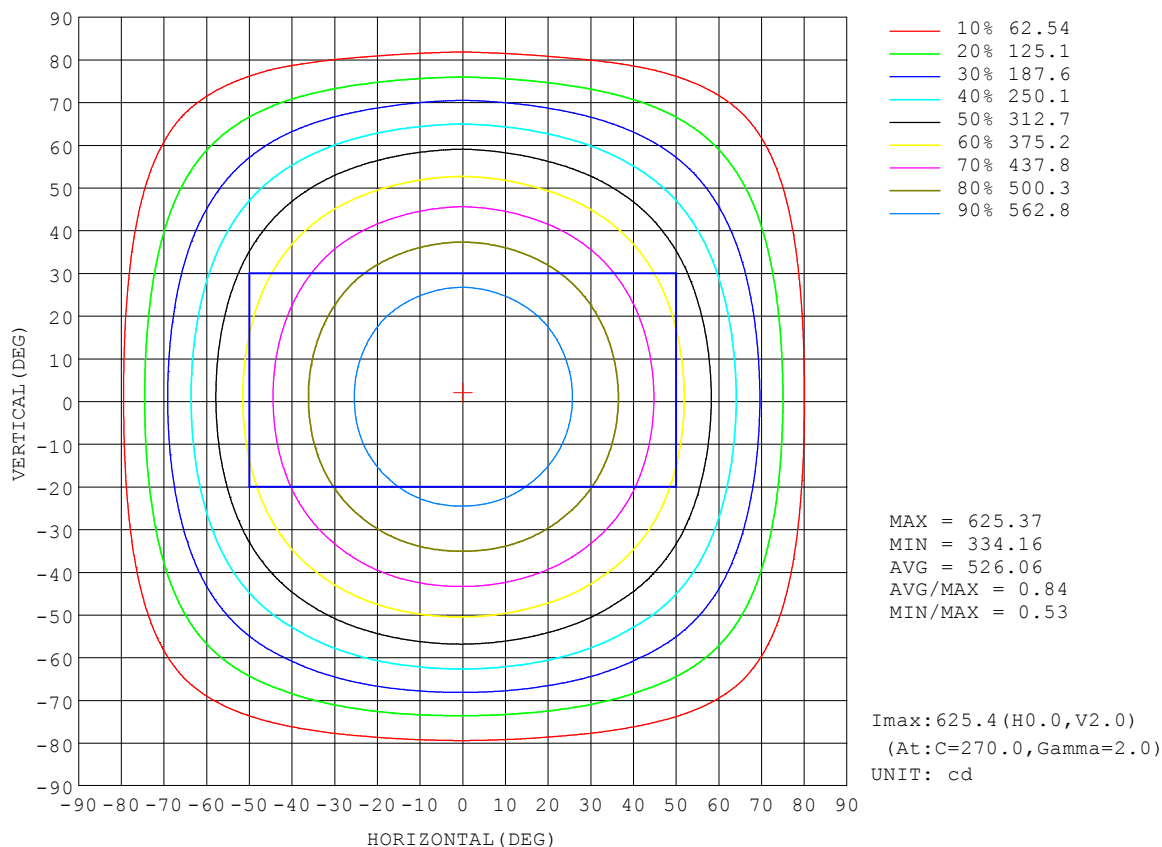
```

Range: 0 - 180DEG
Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity:65.0%
Test Distance:5.749m [K=1.0000]
Remarks:

```

ISOCANDELA DIAGRAM

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 0.503*0.235	Shielding Angle :

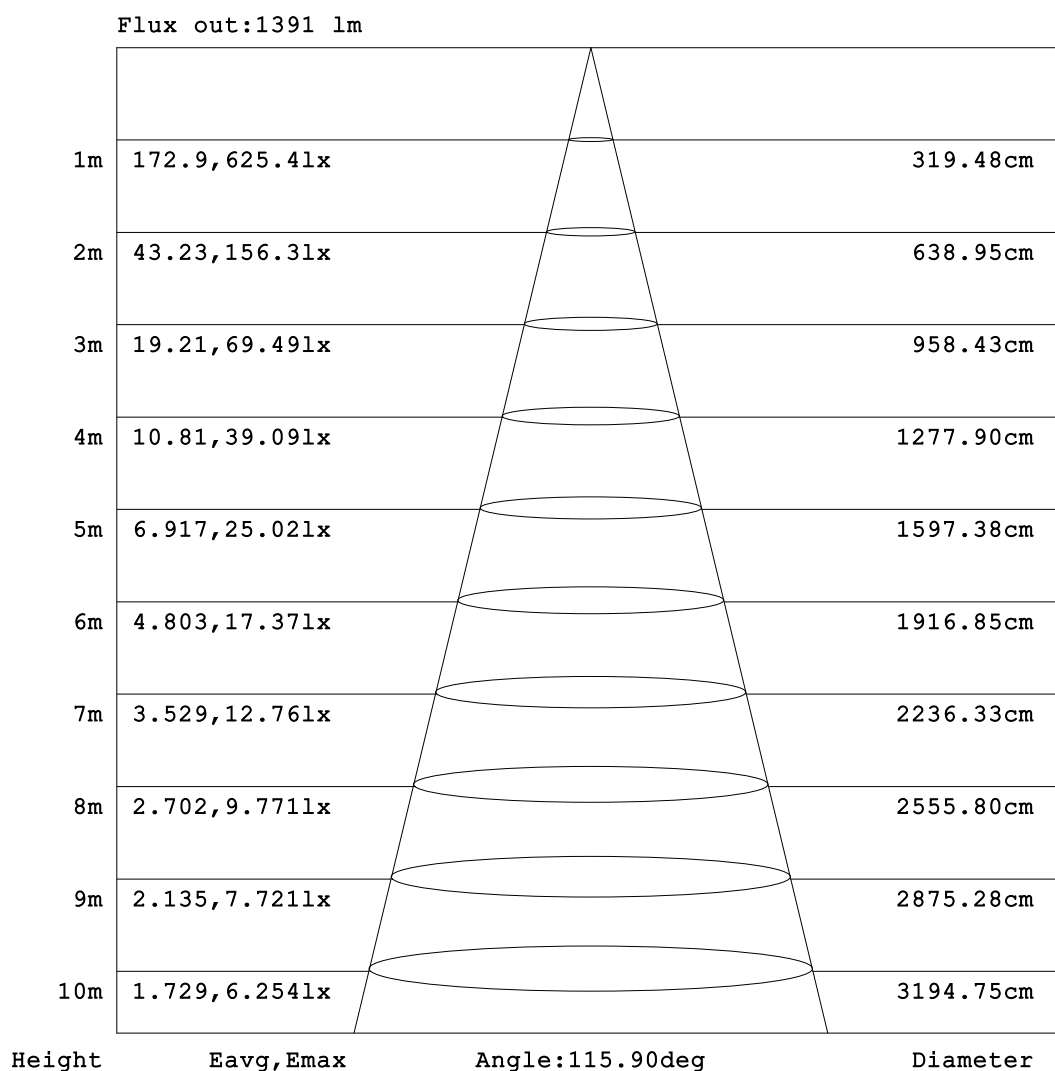


C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

AAI Figure

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:



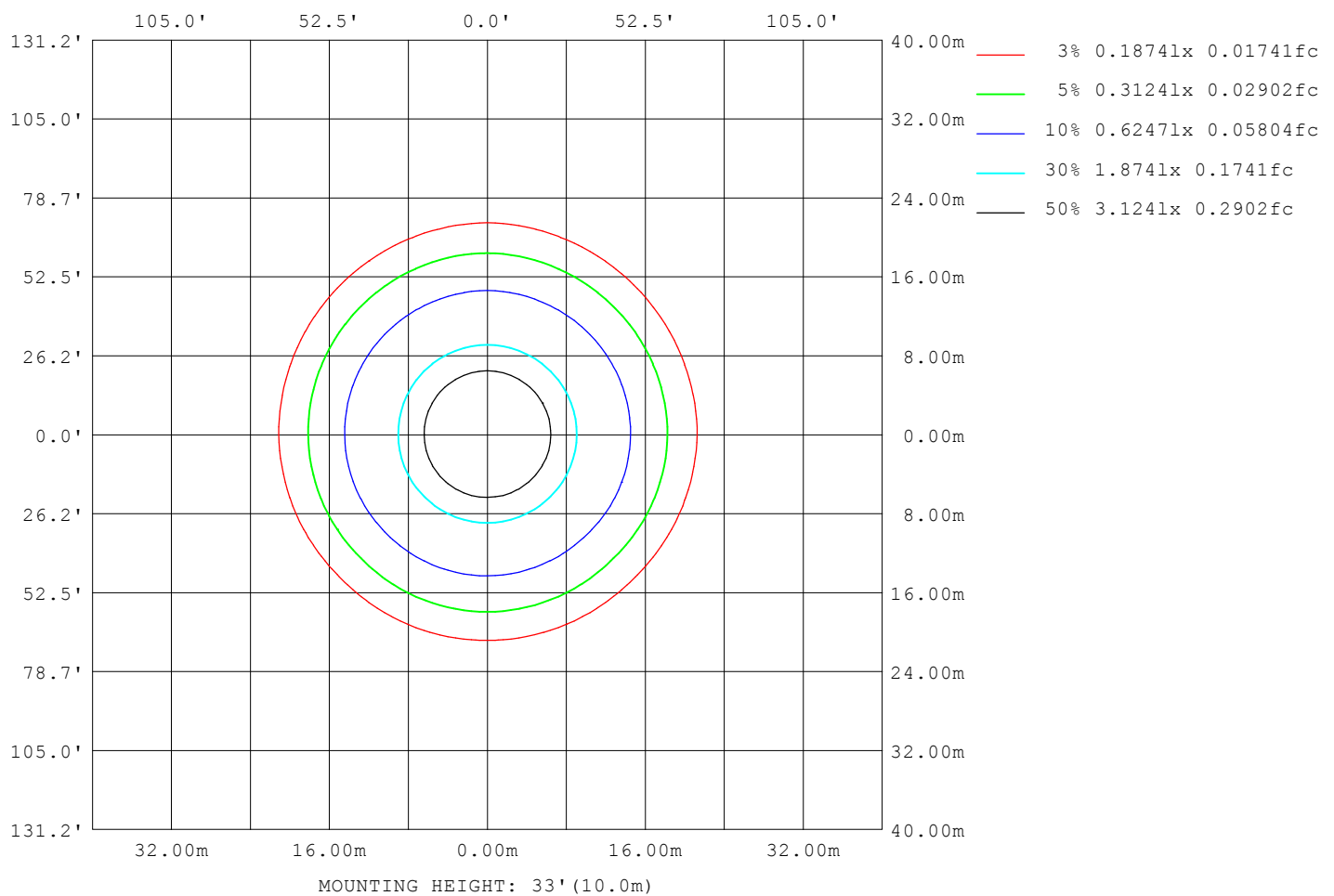
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity:65.0%
 Test Distance:5.749m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

LED Avg.L Report

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 0.503*0.235	Shielding Angle:

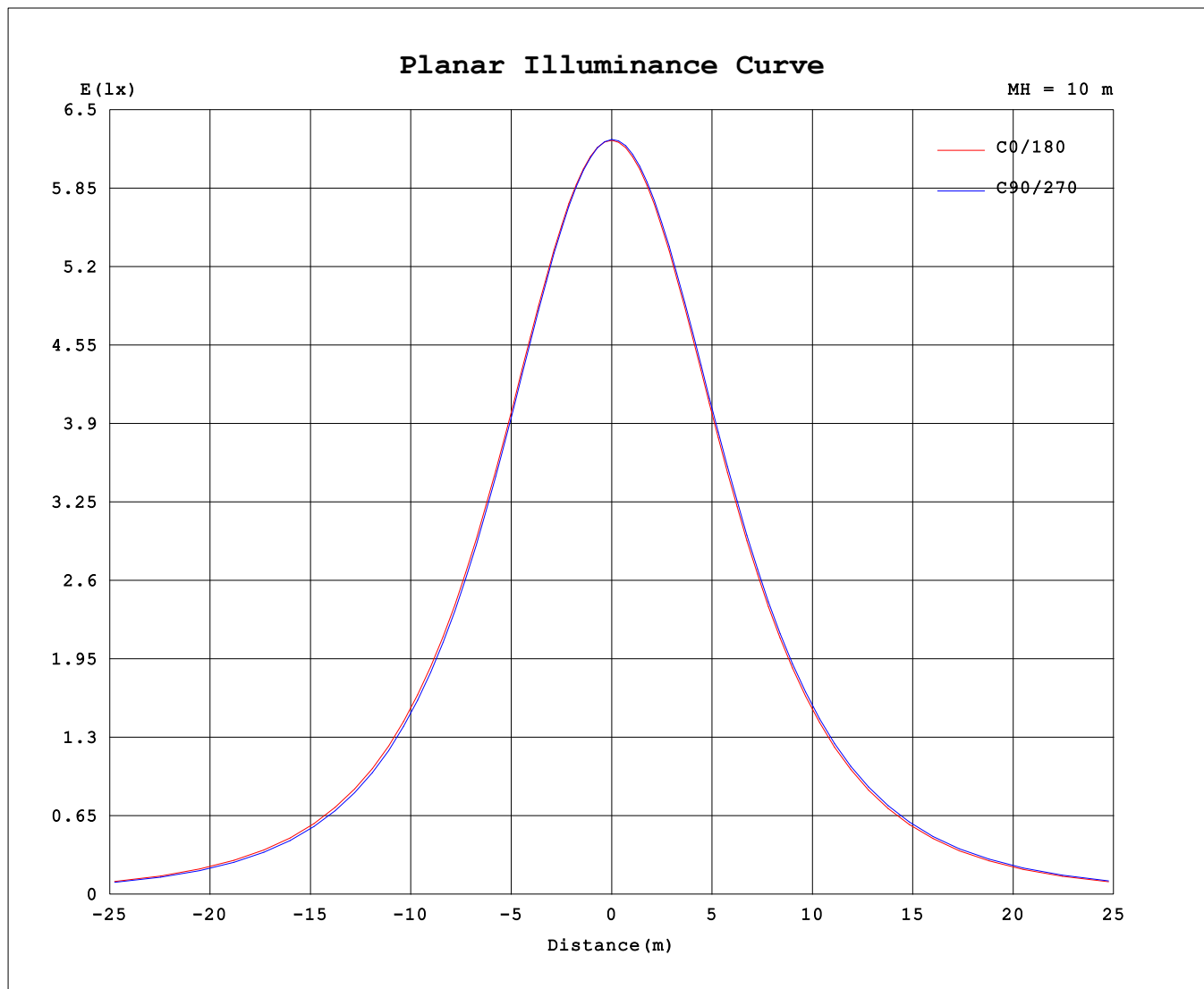
AvgL	cd/m2
L_0~180 (65) av	1118
L_0~180 (75) av	942
L_0~180 (85) av	437
L_90~270 (65) av	1114
L_90~270 (75) av	941
L_90~270 (85) av	590
L_45 (65) av	1085
L_45 (75) av	917
L_45 (85) av	539

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
Humidity: 65.0%
Test Distance: 5.749m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 22.5DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2022-05-12

☐ Range: 0 - 180DEG
☐ Interval: 2.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.450
 Humidity: 65.0%
 Test Distance: 5.749m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 0.503*0.235	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	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625	625			
5	624	623	623	623	623	623	623	623	624	624	624	624	624	624	624	624			
10	616	615	614	614	614	614	614	615	615	616	617	618	618	617	617	616			
15	607	606	604	604	603	604	605	606	606	607	609	609	609	609	608	608			
20	588	586	584	583	583	584	584	586	587	588	590	591	591	590	590	589			
25	571	569	566	566	565	566	567	569	570	572	574	575	575	574	574	572			
30	541	538	535	534	533	534	536	538	539	541	545	545	546	544	544	542			
35	517	514	510	509	508	509	511	513	515	518	521	521	522	521	520	518			
40	476	472	467	465	464	466	467	471	473	476	480	480	481	479	479	477			
45	445	441	434	432	432	434	435	440	442	445	449	448	450	448	448	446			
50	393	389	381	378	380	381	382	387	390	394	396	397	400	396	395	395			
55	356	350	341	339	342	342	343	348	352	356	358	359	363	357	357	357			
60	295	288	277	278	280	279	278	285	290	294	296	299	303	297	294	295			
65	251	243	233	234	235	235	233	240	246	249	252	256	260	254	250	250			
70	183	175	166	166	166	167	166	172	178	180	185	188	193	187	183	182			
75	138	130	121	121	121	122	121	127	131	135	140	143	147	142	139	137			
80	63.1	63.0	58.0	55.5	56.9	56.1	57.7	60.1	55.7	69.5	75.2	76.6	80.7	75.5	74.4	70.8			
85	26.8	29.0	24.6	23.4	24.0	23.7	23.4	25.9	22.4	32.5	37.4	39.2	42.2	38.2	36.7	34.1			
90	2.16	1.47	1.21	1.11	0.94	0.92	1.00	1.05	0.97	2.34	4.15	5.04	5.74	4.67	4.21	2.91			
95	1.04	1.03	1.08	1.08	1.09	1.09	1.10	1.13	0.99	0.91	0.98	0.95	0.87	0.93	0.93	0.92			
100	1.49	1.53	1.60	1.65	1.68	1.66	1.68	1.67	1.43	1.24	1.24	1.27	1.22	1.20	1.20	1.21			
105	1.91	1.95	2.02	2.06	2.11	2.08	2.10	2.08	1.75	1.58	1.55	1.57	1.57	1.55	1.54	1.55			
110	2.55	2.56	2.61	2.67	2.72	2.68	2.66	2.68	2.33	2.14	2.07	2.08	2.11	2.08	2.05	2.08			
115	2.95	2.93	3.01	3.05	3.08	3.05	3.06	3.06	2.68	2.49	2.44	2.42	2.45	2.41	2.42	2.42			
120	3.49	3.45	3.52	3.59	3.62	3.60	3.59	3.58	3.17	3.00	2.97	2.95	2.95	2.94	2.93	2.93			
125	3.83	3.78	3.83	3.91	3.94	3.94	3.92	3.90	3.48	3.32	3.31	3.28	3.28	3.27	3.23	3.24			
130	4.28	4.21	4.24	4.30	4.34	4.38	4.37	4.35	3.93	3.79	3.78	3.72	3.69	3.68	3.64	3.67			
135	4.55	4.46	4.47	4.52	4.57	4.65	4.64	4.64	4.20	4.09	4.03	4.01	3.91	3.91	3.89	3.94			
140	4.94	4.83	4.78	4.80	4.89	5.01	5.03	5.03	4.57	4.53	4.41	4.41	4.25	4.21	4.21	4.32			
145	5.15	5.04	4.97	4.98	5.09	5.22	5.26	5.26	4.80	4.80	4.67	4.62	4.47	4.39	4.40	4.55			
150	5.46	5.33	5.24	5.24	5.38	5.52	5.60	5.59	5.14	5.16	5.05	4.96	4.79	4.68	4.71	4.89			
155	5.66	5.53	5.43	5.44	5.59	5.73	5.81	5.79	5.36	5.41	5.32	5.21	5.03	4.91	4.94	5.12			
160	5.96	5.84	5.72	5.75	5.93	6.06	6.13	6.10	5.73	5.81	5.73	5.64	5.47	5.32	5.33	5.54			
165	6.18	6.05	5.95	5.98	6.18	6.30	6.36	6.32	6.00	6.10	6.05	5.96	5.81	5.63	5.63	5.82			
170	6.41	6.34	6.31	6.40	6.62	6.72	6.67	6.55	6.29	6.39	6.46	6.51	6.38	6.19	6.13	6.20			
175	6.55	6.52	6.56	6.71	6.94	6.92	6.81	6.65	6.48	6.54	6.67	6.80	6.81	6.60	6.47	6.45			
180	6.73	6.74	6.82	6.98	7.08	7.01	6.87	6.77	6.73	6.74	6.82	6.98	7.08	7.01	6.87	6.77			

C Range: 0 - 360DEG

C Interval: 22.5DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:

Test Date:2022-05-12

□ Range: 0 - 180DEG

□ Interval: 2.0DEG

Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.450

Humidity:65.0%

Test Distance:5.749m [K=1.0000]

Remarks: