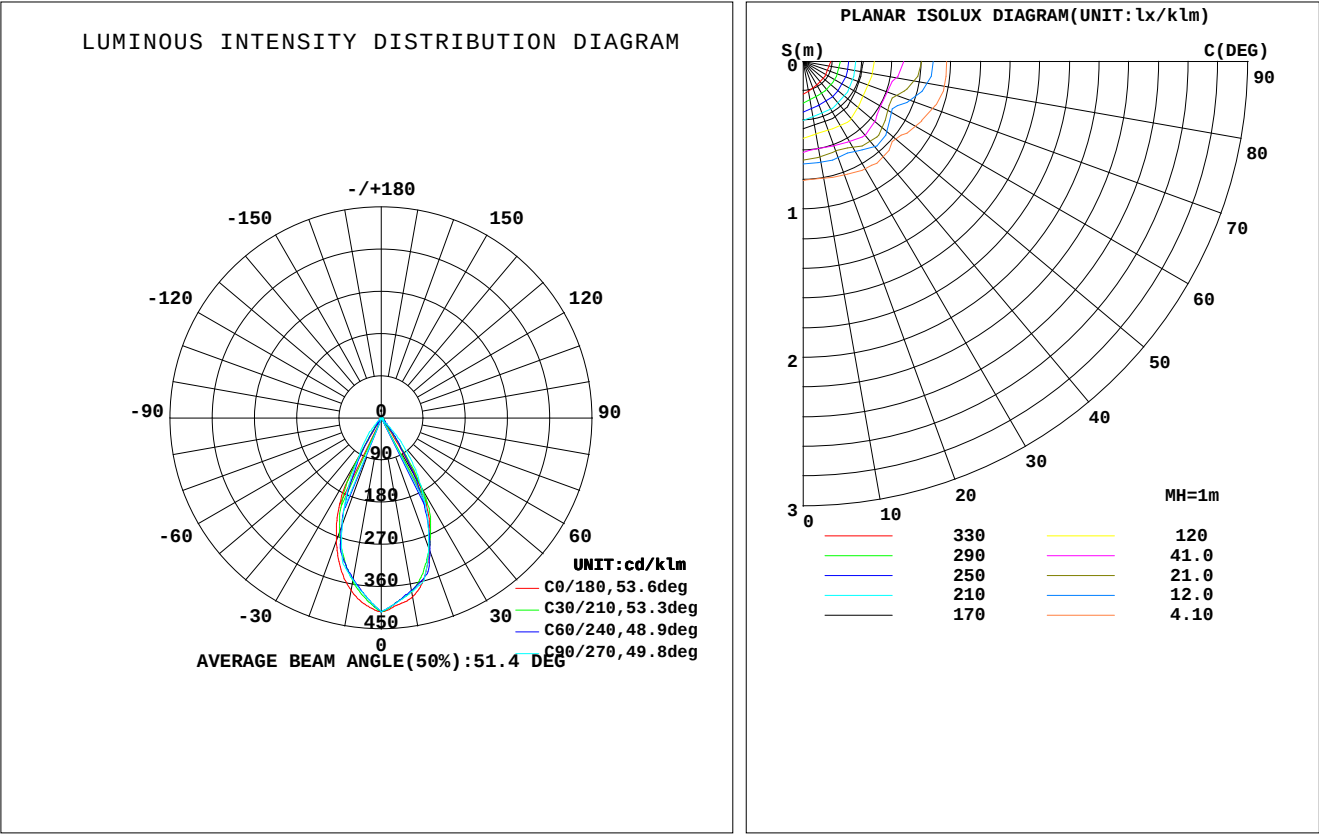


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: 62D701	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025010801
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 28.85 lm/W			
MODEL	TEEN	I _{max} (cd/klm)	413.5	S/MH(C0/180)	0.77
NOMINAL POWER(W)	4	LOR(%)	26.4	S/MH(C90/270)	0.71
RATED VOLTAGE(V)	222	TOTAL FLUX(lm/klm)	264.44	h UP, DN(C0-180)	0.0, 12.1
NOMINAL FLUX(lm)	420	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 14.3
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	221.1	h down(%)	26.4	CIBSE SHR MAX	0.80



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-01-08

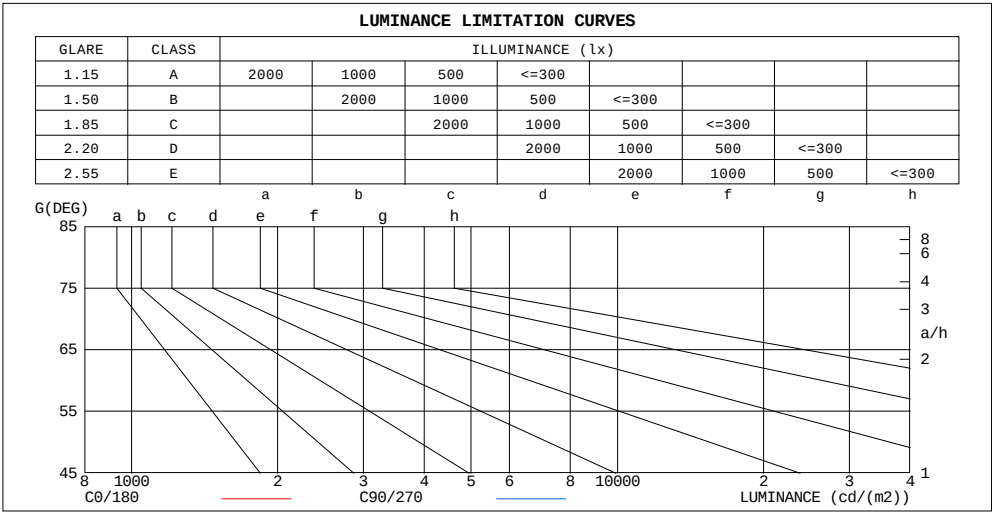
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

ZONAL FLUX DIAGRAM
AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
5	399.4	383.6	382.2	383.8	399.8	393.4	395.0	392.0	0- 5	9.532	9.532	3.6,0.95
10	373.5	349.3	350.9	353.6	387.7	373.4	376.5	365.3	5- 10	26.93	36.46	13.8,3.65
15	334.3	309.2	319.5	317.0	354.4	346.8	358.0	331.5	10- 15	41.25	77.71	29.4,7.77
20	280.5	265.7	245.3	273.2	301.3	310.7	296.2	292.1	15- 20	50.28	128.0	48.4,12.8
25	219.3	188.9	171.1	197.2	243.4	234.3	234.4	212.8	20- 25	51.01	179.0	67.7,17.9
30	104.4	112.4	96.81	120.1	166.0	145.7	172.5	127.2	25- 30	42.26	221.3	83.7,22.1
35	16.89	44.95	66.23	53.01	30.39	66.76	117.0	54.86	30- 35	23.69	244.9	92.6,24.5
40	7.434	7.380	35.64	8.484	10.00	11.78	61.54	8.663	35- 40	10.40	255.3	96.6,25.5
45	5.174	5.107	5.053	5.540	6.064	6.854	6.045	5.631	40- 45	4.753	260.1	98.4,26
50	3.087	3.213	3.608	3.474	3.885	4.219	4.379	3.624	45- 50	1.955	262.1	99.1,26.2
55	1.625	1.584	2.162	1.763	2.144	2.392	2.713	1.928	50- 55	1.237	263.3	99.6,26.3
60	0.6618	0.8560	0.7170	0.9512	1.003	1.287	1.048	1.018	55- 60	0.6947	264.0	99.8,26.4
65	0.0449	0.3064	0.5341	0.3103	0.1402	0.4078	0.6984	0.3312	60- 65	0.2765	264.3	99.9,26.4
70	0.0112	0.0621	0.3513	0.0261	0.0000	0	0.3492	0.0212	65- 70	0.0944	264.4	100,26.4
75	0.0000	0.0500	0.1685	0.0479	0.0000	0	0	0.0064	70- 75	0.0382	264.4	100,26.4
80	0	0.0429	0.1478	0.0665	0	0	0	0	75- 80	0.0149	264.4	100,26.4
85	0	0.0689	0.1270	0.0613	0	0	0	0	80- 85	0.0163	264.4	100,26.4
90	0	0.0952	0.1063	0.0560	0	0	0	0	85- 90	0.0195	264.4	100,26.4
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd/klm									UNIT: lm/k lm		



LUMINANCE cd/(m2)		
G(°)	C0/180	C90/270
85	0	78
80	0	46
75	0	35
70	2	55
65	6	68
60	71	77
55	153	203
50	259	302
45	394	385

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-01-08

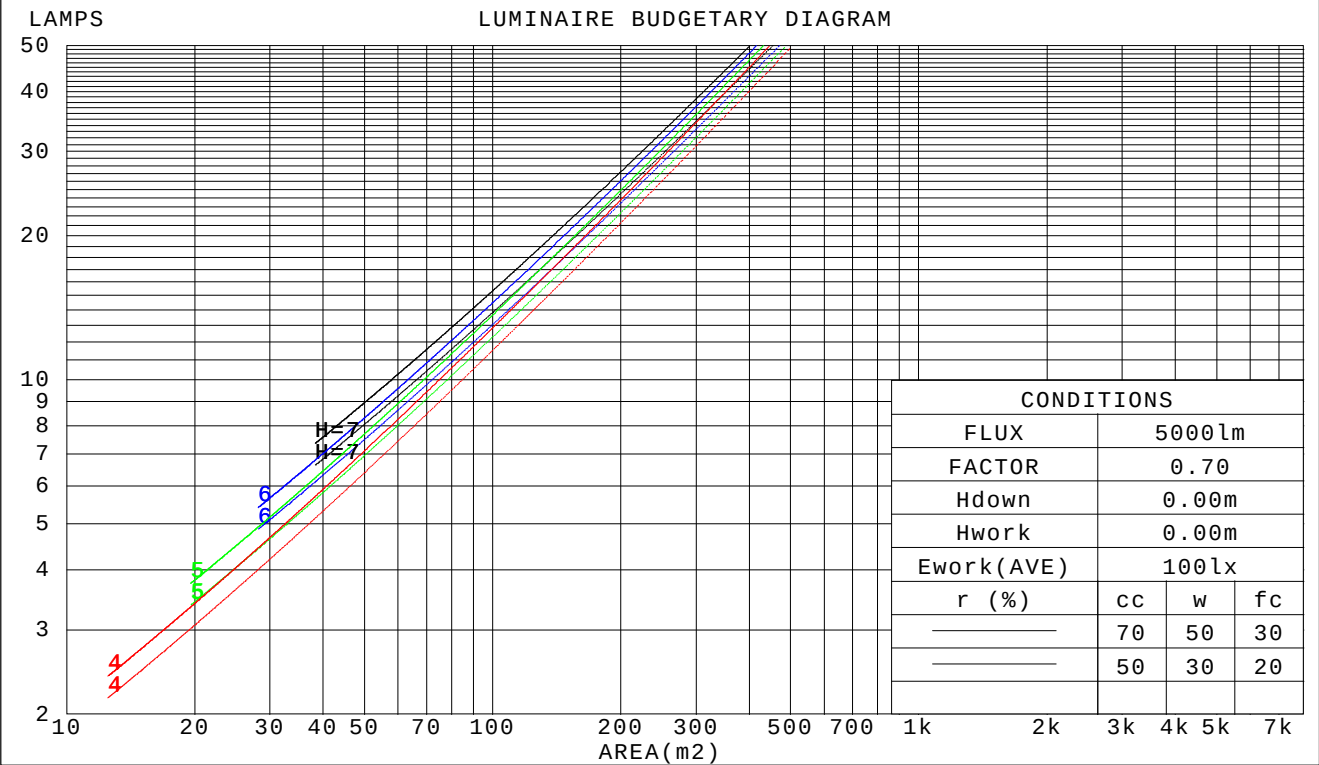
g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: 62D701	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025010801
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Coefficients of Utilization(CU)															
0.0	.31	.31	.31	.31	.31	.31	.29	.29	.29	.28	.28	.28	.27	.27	.27	.26
1.0	.29	.29	.28	.29	.28	.28	.28	.27	.27	.27	.27	.26	.26	.26	.25	.25
2.0	.28	.27	.26	.27	.26	.26	.26	.26	.25	.26	.25	.24	.25	.24	.24	.24
3.0	.26	.25	.24	.26	.25	.24	.25	.24	.23	.24	.24	.23	.24	.23	.23	.22
4.0	.24	.23	.22	.24	.23	.22	.24	.23	.22	.23	.22	.22	.23	.22	.21	.21
5.0	.23	.22	.21	.23	.22	.21	.22	.21	.20	.22	.21	.20	.22	.21	.20	.20
6.0	.22	.20	.19	.22	.20	.19	.21	.20	.19	.21	.20	.19	.21	.20	.19	.19
7.0	.21	.19	.18	.21	.19	.18	.20	.19	.18	.20	.19	.18	.20	.19	.18	.18
8.0	.20	.18	.17	.20	.18	.17	.19	.18	.17	.19	.18	.17	.19	.18	.17	.17
9.0	.19	.17	.16	.19	.17	.16	.18	.17	.16	.18	.17	.16	.18	.17	.16	.16
10.0	.18	.16	.16	.18	.16	.16	.18	.16	.15	.17	.16	.15	.17	.16	.15	.15



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-01-08

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

NAME: 62D701	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025010801
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%	70%	50%	30%	10%	0
rw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
rfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.044 .025 .008	.042 .024 .008	.039 .022 .007	.036 .020 .007	.033 .019 .006	
2.0	.041 .023 .007	.040 .022 .007	.037 .021 .006	.035 .019 .006	.032 .018 .006	
3.0	.039 .021 .006	.038 .020 .006	.036 .019 .006	.034 .018 .006	.032 .017 .005	
4.0	.037 .019 .006	.036 .019 .006	.034 .018 .005	.032 .017 .005	.031 .017 .005	
5.0	.036 .018 .005	.035 .018 .005	.033 .017 .005	.031 .017 .005	.030 .016 .005	
6.0	.034 .017 .005	.033 .017 .005	.032 .016 .005	.030 .016 .005	.029 .015 .005	
7.0	.033 .016 .005	.032 .016 .005	.031 .015 .004	.029 .015 .004	.028 .015 .004	
8.0	.031 .015 .004	.031 .015 .004	.029 .015 .004	.028 .014 .004	.027 .014 .004	
9.0	.030 .015 .004	.029 .014 .004	.028 .014 .004	.027 .014 .004	.026 .013 .004	
10.0	.029 .014 .004	.028 .014 .004	.027 .013 .004	.026 .013 .004	.026 .013 .004	

rcc	80%	70%	50%	30%	10%	0
rw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
rfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.050 .050 .050	.043 .043 .043	.029 .029 .029	.017 .017 .017	.005 .005 .005	
1.0	.045 .042 .039	.039 .036 .033	.026 .025 .023	.015 .014 .013	.005 .005 .004	
2.0	.041 .035 .030	.035 .030 .026	.024 .021 .018	.014 .012 .011	.004 .004 .003	
3.0	.037 .030 .024	.032 .026 .021	.022 .018 .015	.013 .011 .009	.004 .003 .003	
4.0	.034 .026 .020	.030 .023 .017	.020 .016 .012	.012 .009 .007	.004 .003 .002	
5.0	.032 .023 .016	.028 .020 .014	.019 .014 .010	.011 .008 .006	.004 .003 .002	
6.0	.030 .020 .014	.026 .018 .012	.018 .012 .008	.010 .007 .005	.003 .002 .002	
7.0	.028 .018 .012	.024 .016 .010	.017 .011 .007	.010 .007 .004	.003 .002 .001	
8.0	.027 .017 .010	.023 .015 .009	.016 .010 .006	.009 .006 .004	.003 .002 .001	
9.0	.025 .015 .009	.022 .013 .007	.015 .009 .005	.009 .006 .003	.003 .002 .001	
10.0	.024 .014 .007	.021 .012 .007	.014 .009 .005	.008 .005 .003	.003 .002 .001	

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-01-08

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

Uncorrected UGR Table

NAME: 62D701						TYPE:			WEIGHT:		
DIM.:						SPEC.:			SERIAL No.:2025010801		
MFR.:						SUR.:			PROTECTION 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	3.8	4.7	4.1	4.9	5.0	7.9	8.8	8.1	8.9	9.1	
3H	3.7	4.5	3.9	4.7	4.9	7.8	8.6	8.0	8.8	9.0	
4H	3.6	4.3	3.9	4.5	4.8	7.7	8.4	8.0	8.7	8.9	
6H	3.5	4.2	3.8	4.4	4.7	7.6	8.3	7.9	8.6	8.8	
8H	3.4	4.1	3.8	4.4	4.6	7.6	8.3	7.9	8.5	8.8	
12H	3.4	4.1	3.7	4.3	4.6	7.5	8.2	7.9	8.5	8.7	
4H 2H	3.6	4.4	3.9	4.6	4.8	7.7	8.4	7.9	8.6	8.9	
3H	3.4	4.1	3.8	4.4	4.6	7.5	8.2	7.8	8.4	8.7	
4H	3.4	3.9	3.7	4.2	4.5	7.4	8.0	7.8	8.3	8.6	
6H	3.3	3.8	3.6	4.1	4.5	7.3	7.9	7.7	8.2	8.5	
8H	3.2	3.7	3.6	4.0	4.4	7.3	7.8	7.7	8.1	8.5	
12H	3.2	3.6	3.6	4.0	4.4	7.3	7.7	7.7	8.1	8.5	
8H 4H	3.2	3.7	3.6	4.0	4.4	7.3	7.8	7.7	8.1	8.5	
6H	3.1	3.5	3.5	3.9	4.3	7.2	7.6	7.6	8.0	8.4	
8H	3.1	3.4	3.5	3.8	4.3	7.1	7.5	7.6	7.9	8.4	
12H	3.0	3.3	3.5	3.7	4.2	7.1	7.4	7.6	7.9	8.3	
12H 4H	3.2	3.6	3.6	4.0	4.4	7.2	7.7	7.6	8.0	8.4	
6H	3.0	3.4	3.5	3.8	4.3	7.1	7.5	7.6	7.9	8.3	
8H	3.0	3.3	3.5	3.7	4.2	7.1	7.4	7.6	7.8	8.3	
Variations with the observer position at spacings:											
S = 1.0H	+ 2.7 / - 6.1					+ 5.7 / -10.7					
1.5H	+ 3.5 / - 3.6					+ 8.2 / - 8.3					
2.0H	+ 4.6 / -16.5					+ 3.6 / - 9.0					

CIE Pub.117 Corrected 1000 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.0)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-01-08

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

NAME: 62D701	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025010801
MFR.:	SUR.:	PROTECTION ANGLE:

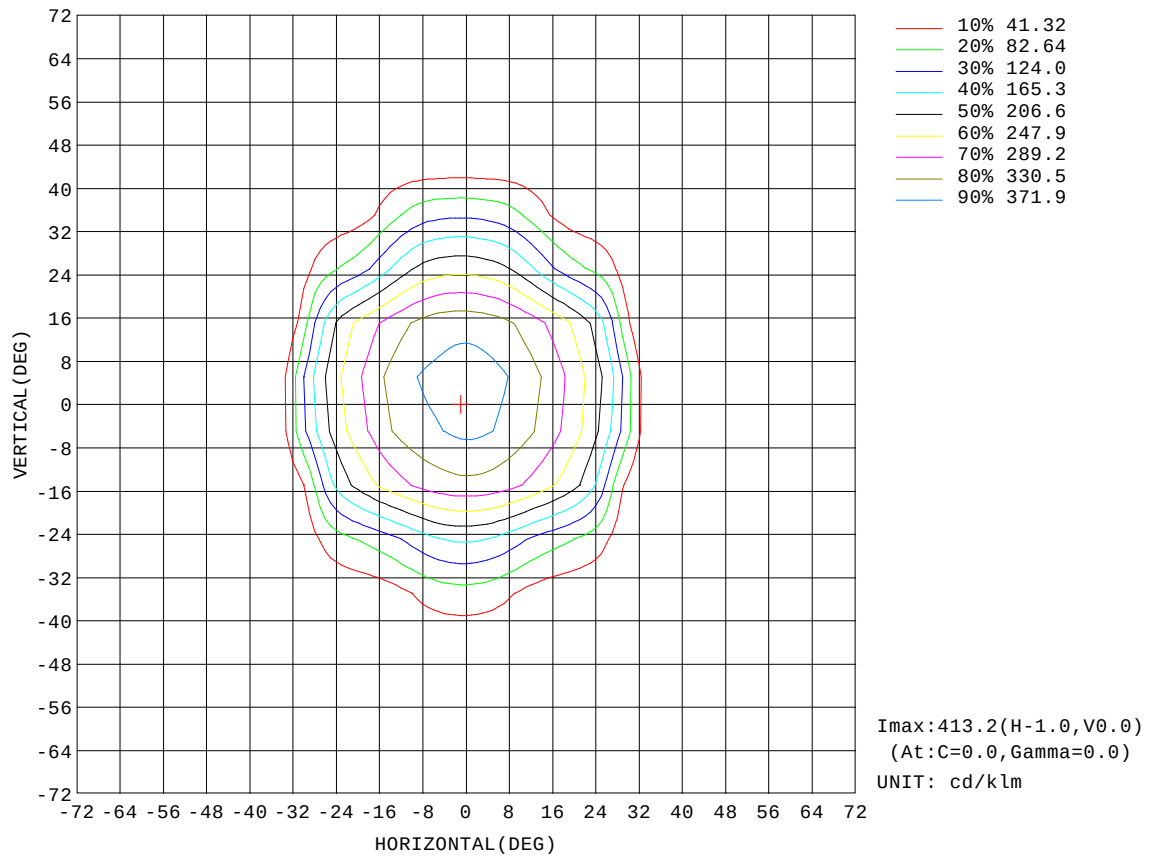
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	24	22	21	24	22	21	23	22	21	20
0.80	26	24	23	25	24	23	25	24	23	22
1.00	27	25	24	26	25	24	26	25	24	23
1.25	28	26	25	27	26	25	27	26	25	24
1.50	28	27	26	28	27	26	27	27	26	25
2.00	29	28	27	29	28	27	28	27	26	25
2.50	29	28	28	29	28	27	28	27	27	25
3.00	30	29	28	29	28	28	28	28	27	26
4.00	30	30	29	30	29	29	29	28	28	26
5.00	31	30	30	30	29	29	29	29	28	26
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:30DEG
 Operators:
 Test Date:2025-01-08

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:5.835m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

NAME: 62D701	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025010801
MFR.:	SUR.:	PROTECTION ANGLE:

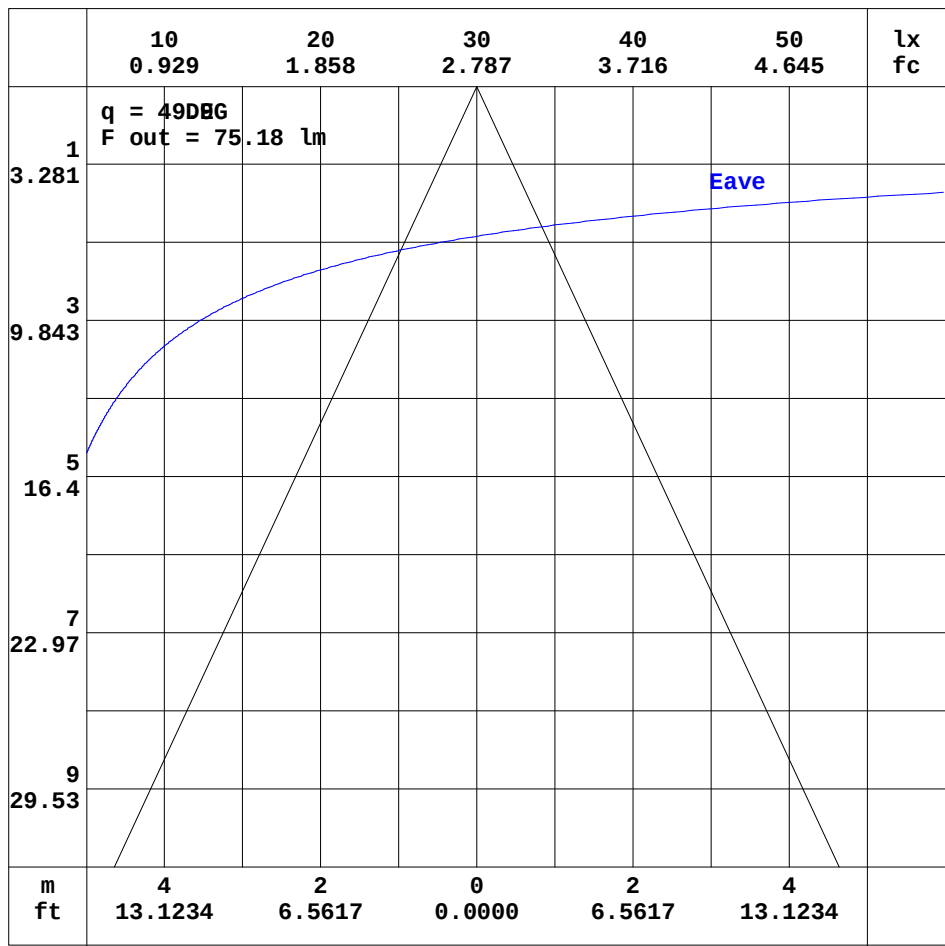


C Range: 0 - 360DEG	g Range: 0 - 90DEG
C Interval: 5.0DEG	g Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.275
Temperature:30DEG	Humidity:65.0%
Operators:	Test Distance:5.835m [K=1.0000]
Test Date:2025-01-08	Remarks:

EVERFINE GONIOPHOTOMETERS SYSTEM TEST REPORT

AAI CURVES

NAME: 62D701	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025010801
MFR.:	SUR.:	PROTECTION ANGLE:



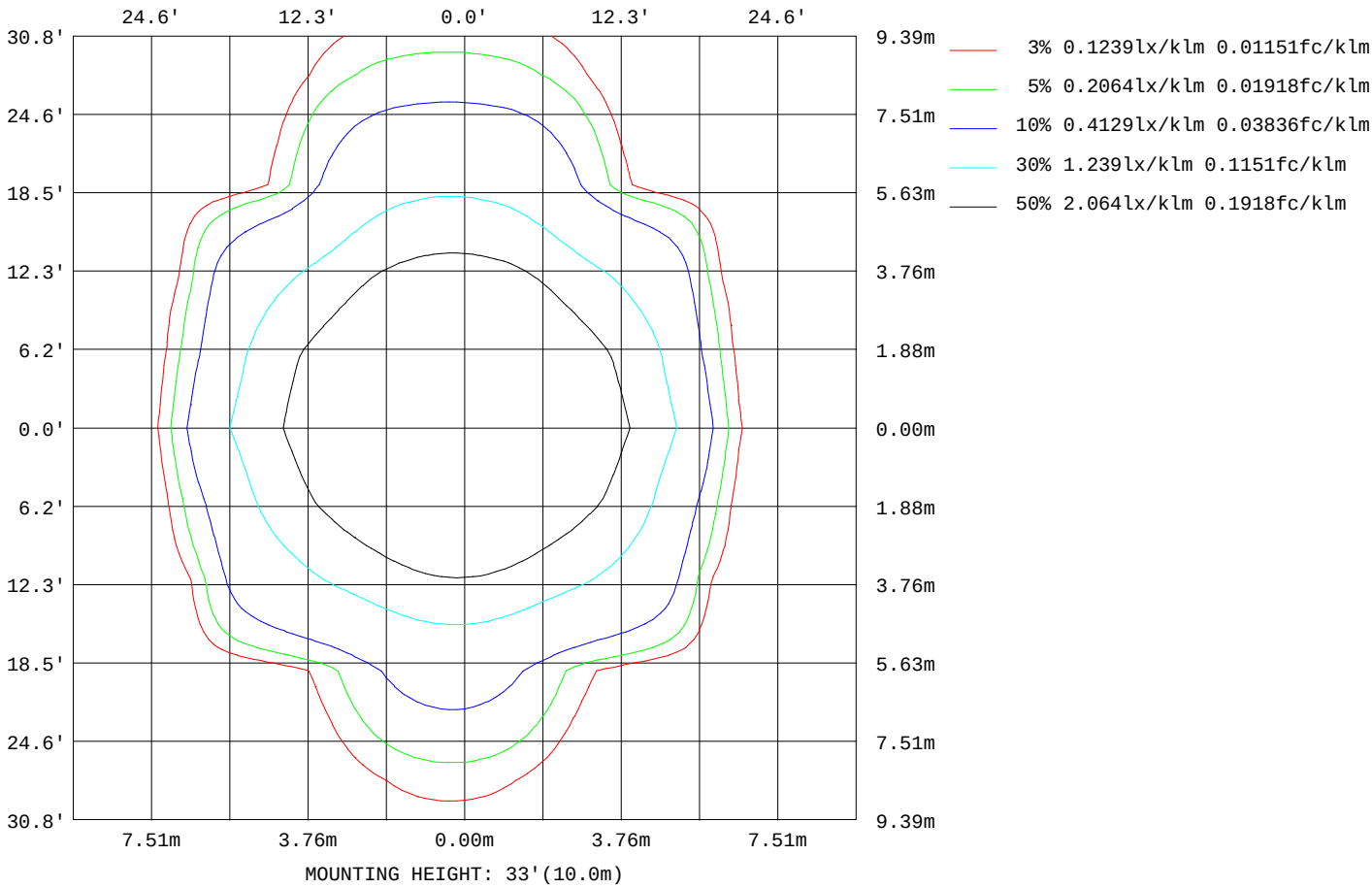
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-01-08

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks:

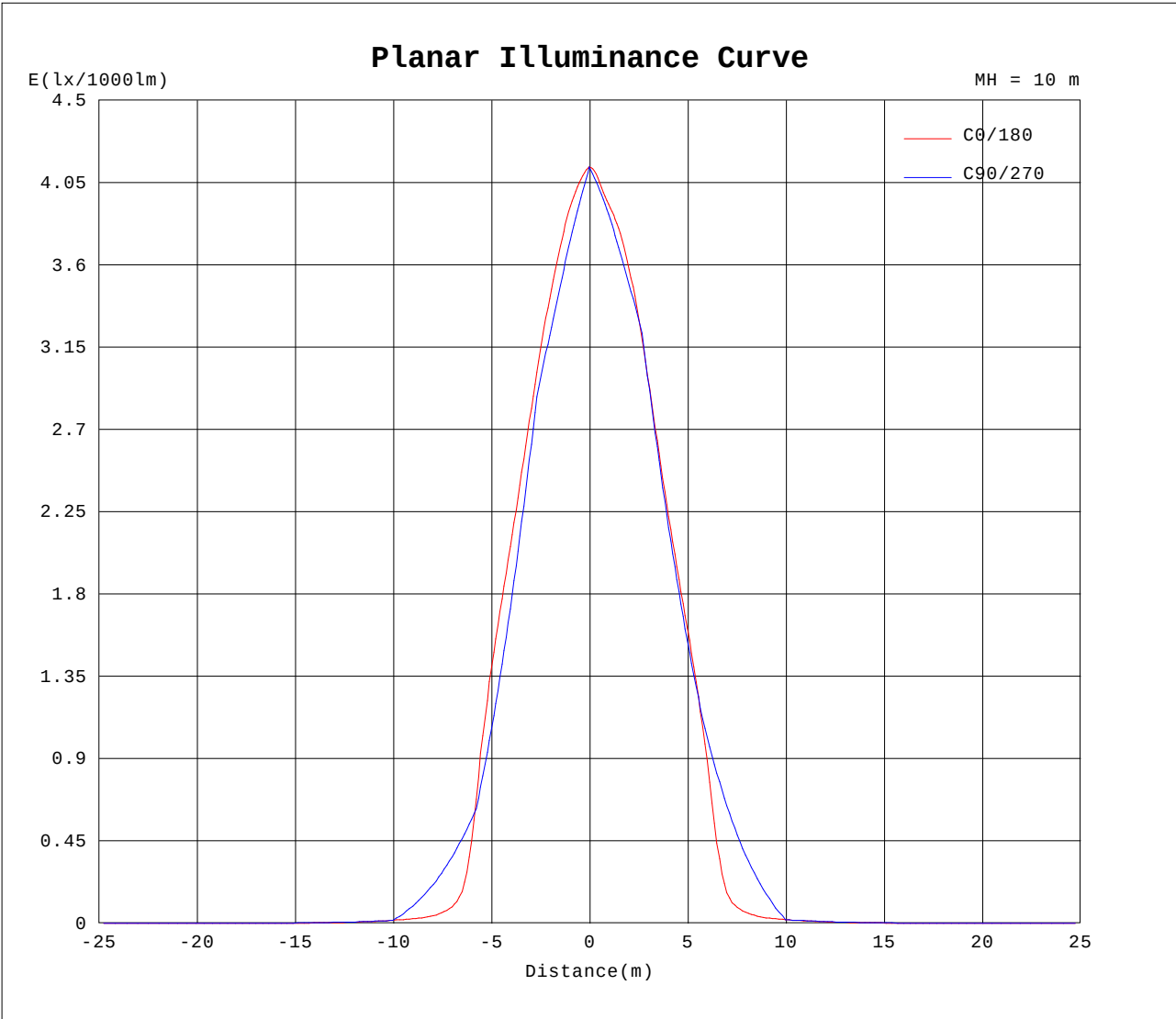
ISOLUX DIAGRAM

NAME: 62D701	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:2025010801
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG	g Range: 0 - 90DEG
C Interval: 5.0DEG	g Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Temperature:30DEG	Humidity:65.0%
Operators:	Test Distance:5.835m [K=1.0000]
Test Date:2025-01-08	Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:30DEG
Operators:
Test Date:2025-01-08

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:5.835m [K=1.0000]
Remarks: