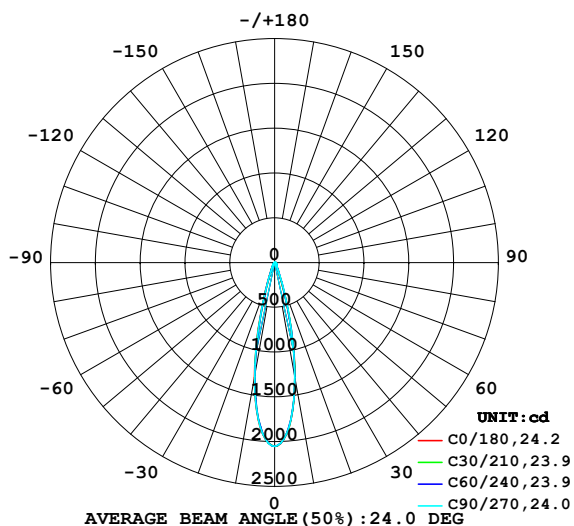


LUMINAIRE PHOTOMETRIC TEST REPORT

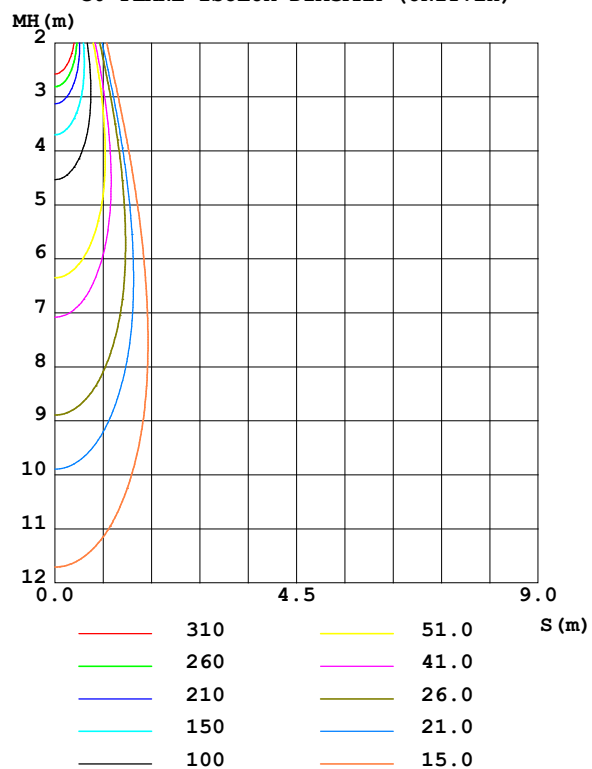
NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 28	Shielding Angle :

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 86.91 lm/W
MODEL	ALR35-5G30-M	I _{max} (cd)	2052	S/MH (C0/180)	0.39	
NOMINAL POWER (W)	5	LOR (%)	100.0	S/MH (C90/270)	0.39	
RATED VOLTAGE (V)	226	TOTAL FLUX (lm)	436.27	η UP, DN (C0-180)	0.0, 50.8	
NOMINAL FLUX (lm)	436.265	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.2	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.00	
TEST VOLTAGE (V)	225.1	η down (%)	100.0	CIBSE SHR MAX	0.30	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: AE
Test Date: 2020-06-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.240m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

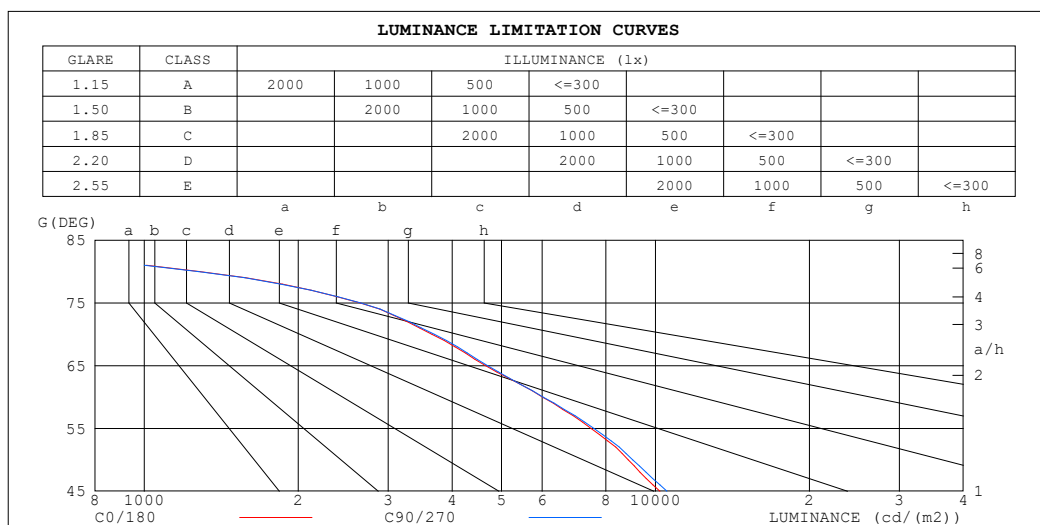
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1320	1320	1302	1321	1304	1256	1295	1302	0- 10	158.7	158.7	36.4,36.4
20	227.7	241.5	241.2	248.3	232.7	191.4	211.2	223.1	10- 20	176.7	335.4	76.9,76.9
30	53.16	53.24	54.67	54.95	52.31	49.53	53.87	54.40	20- 30	47.93	383.4	87.9,87.9
40	23.76	24.91	24.45	24.73	23.93	23.92	24.03	23.85	30- 40	22.27	405.6	93,93
50	13.98	14.94	14.29	14.10	14.24	14.67	14.10	13.40	40- 50	14.28	419.9	96.3,96.3
60	7.389	7.866	7.419	7.289	7.341	7.497	7.445	7.267	50- 60	9.581	429.5	98.4,98.4
70	3.074	3.147	3.111	2.996	3.031	2.937	3.077	3.017	60- 70	4.937	434.4	99.6,99.6
80	0.5489	0.5620	0.5461	0.4998	0.4159	0.4200	0.4168	0.5028	70- 80	1.755	436.2	100,100
90	0	0	0	0.0039	0	0	0	0	80- 90	0.0822	436.3	100,100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 28	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	0	1
80	1286	1277
75	2646	2652
70	3657	3694
65	4654	4695
60	6014	6026
55	7480	7580
50	8849	9027
45	10207	10534

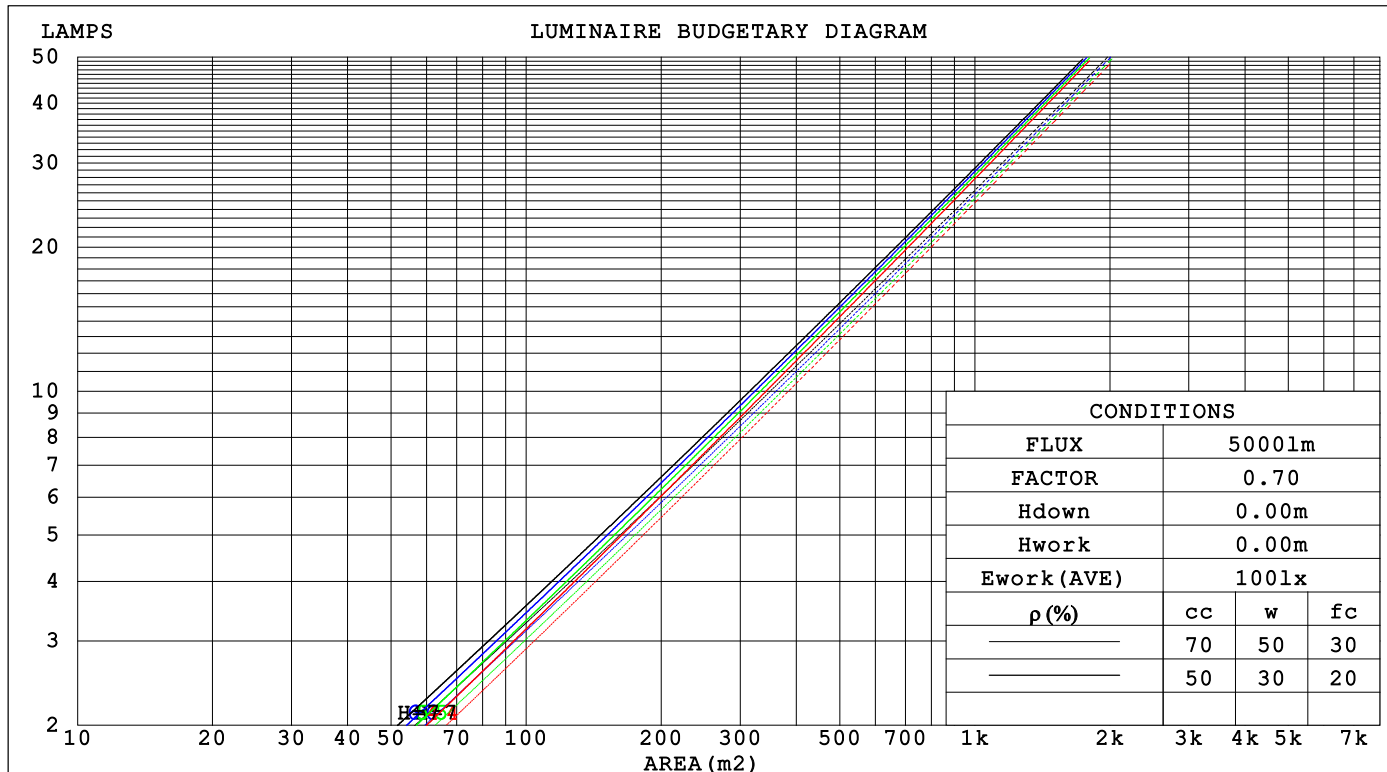
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: AE
 Test Date: 2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.240m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 28	Shielding Angle:

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															



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:2020-06-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

WEC AND CCEC

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 28	Shielding Angle:

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					Wall Exitance Coefficients(WEC)
0.0						
1.0	.147 .084 .027	.140 .080 .025	.128 .073 .023	.117 .067 .022	.106 .061 .020	
2.0	.137 .075 .023	.132 .073 .022	.122 .068 .021	.112 .063 .020	.103 .058 .018	
3.0	.128 .068 .020	.124 .066 .020	.115 .062 .019	.107 .059 .018	.100 .055 .017	
4.0	.120 .062 .018	.116 .061 .018	.109 .058 .017	.102 .055 .017	.096 .052 .016	
5.0	.113 .057 .017	.109 .056 .016	.103 .054 .016	.097 .051 .015	.092 .049 .015	
6.0	.106 .053 .015	.103 .052 .015	.098 .050 .015	.093 .048 .014	.088 .046 .014	
7.0	.100 .050 .014	.098 .049 .014	.093 .047 .014	.089 .046 .013	.085 .044 .013	
8.0	.095 .047 .013	.093 .046 .013	.089 .044 .013	.085 .043 .012	.081 .042 .012	
9.0	.091 .044 .012	.089 .043 .012	.085 .042 .012	.082 .041 .012	.078 .040 .012	
10.0	.087 .041 .012	.085 .041 .011	.082 .040 .011	.079 .039 .011	.076 .038 .011	

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	.190 .190 .190	.163 .163 .163	.111 .111 .111	.064 .064 .064	.020 .020 .020	
1.0	.169 .158 .147	.145 .135 .127	.099 .093 .088	.057 .054 .051	.018 .017 .016	
2.0	.152 .133 .117	.130 .114 .101	.089 .079 .070	.051 .046 .041	.016 .015 .013	
3.0	.137 .113 .094	.118 .098 .082	.081 .068 .057	.047 .040 .034	.015 .013 .011	
4.0	.125 .098 .078	.107 .085 .067	.074 .059 .047	.043 .035 .028	.014 .011 .009	
5.0	.115 .086 .065	.098 .074 .056	.068 .052 .040	.039 .030 .024	.013 .010 .008	
6.0	.106 .076 .055	.091 .066 .048	.063 .046 .034	.036 .027 .020	.012 .009 .007	
7.0	.098 .068 .047	.085 .059 .041	.058 .041 .029	.034 .024 .017	.011 .008 .006	
8.0	.092 .061 .040	.079 .053 .035	.055 .037 .025	.032 .022 .015	.010 .007 .005	
9.0	.086 .056 .035	.074 .048 .031	.051 .034 .022	.030 .020 .013	.010 .007 .004	
10.0	.081 .051 .031	.070 .044 .027	.048 .031 .019	.028 .018 .011	.009 .006 .004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:2020-06-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

NAME :					TYPE :		WEIGHT :				
SPEC. :					DIM. :		SERIAL No. :				
MFR. :					SUR. : 28		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	2H	16.5	17.2	16.7	17.3	17.5	16.7	17.4	16.9	17.5	17.7
	3H	17.0	17.6	17.2	17.8	18.0	17.1	17.8	17.4	18.0	18.2
	4H	17.1	17.7	17.3	17.9	18.1	17.2	17.9	17.5	18.1	18.3
	6H	17.1	17.7	17.3	17.9	18.1	17.2	17.8	17.5	18.1	18.3
	8H	17.0	17.6	17.3	17.8	18.1	17.2	17.8	17.5	18.0	18.3
	12H	17.0	17.5	17.3	17.8	18.1	17.1	17.7	17.5	18.0	18.2
4H	2H	16.8	17.4	17.0	17.6	17.8	16.9	17.6	17.2	17.8	18.0
	3H	17.3	17.9	17.6	18.1	18.4	17.5	18.0	17.8	18.3	18.6
	4H	17.5	18.0	17.8	18.3	18.6	17.6	18.1	18.0	18.4	18.7
	6H	17.5	17.9	17.8	18.3	18.6	17.6	18.1	18.0	18.4	18.7
	8H	17.4	17.8	17.8	18.2	18.6	17.6	18.0	18.0	18.3	18.7
	12H	17.4	17.8	17.8	18.1	18.5	17.5	17.9	17.9	18.3	18.7
8H	4H	17.4	17.9	17.8	18.2	18.6	17.6	18.0	18.0	18.4	18.7
	6H	17.5	17.8	17.9	18.2	18.6	17.6	18.0	18.0	18.3	18.8
	8H	17.4	17.7	17.9	18.1	18.6	17.6	17.9	18.0	18.3	18.7
	12H	17.4	17.6	17.8	18.1	18.5	17.5	17.8	18.0	18.2	18.7
12H	4H	17.4	17.8	17.8	18.2	18.5	17.5	17.9	18.0	18.3	18.7
	6H	17.4	17.7	17.9	18.1	18.6	17.6	17.9	18.0	18.3	18.7
	8H	17.4	17.6	17.8	18.1	18.5	17.5	17.8	18.0	18.2	18.7
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H		+ 0.7 / - 1.0					+ 0.7 / - 1.0				
1.5H		+ 0.5 / - 0.4					+ 0.5 / - 0.5				
2.0H		+ 1.1 / - 1.4					+ 1.2 / - 1.4				

CIE Pub.117, 436.3 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.9)
Area: 0.00246176 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:2020-06-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 28	Shielding Angle:

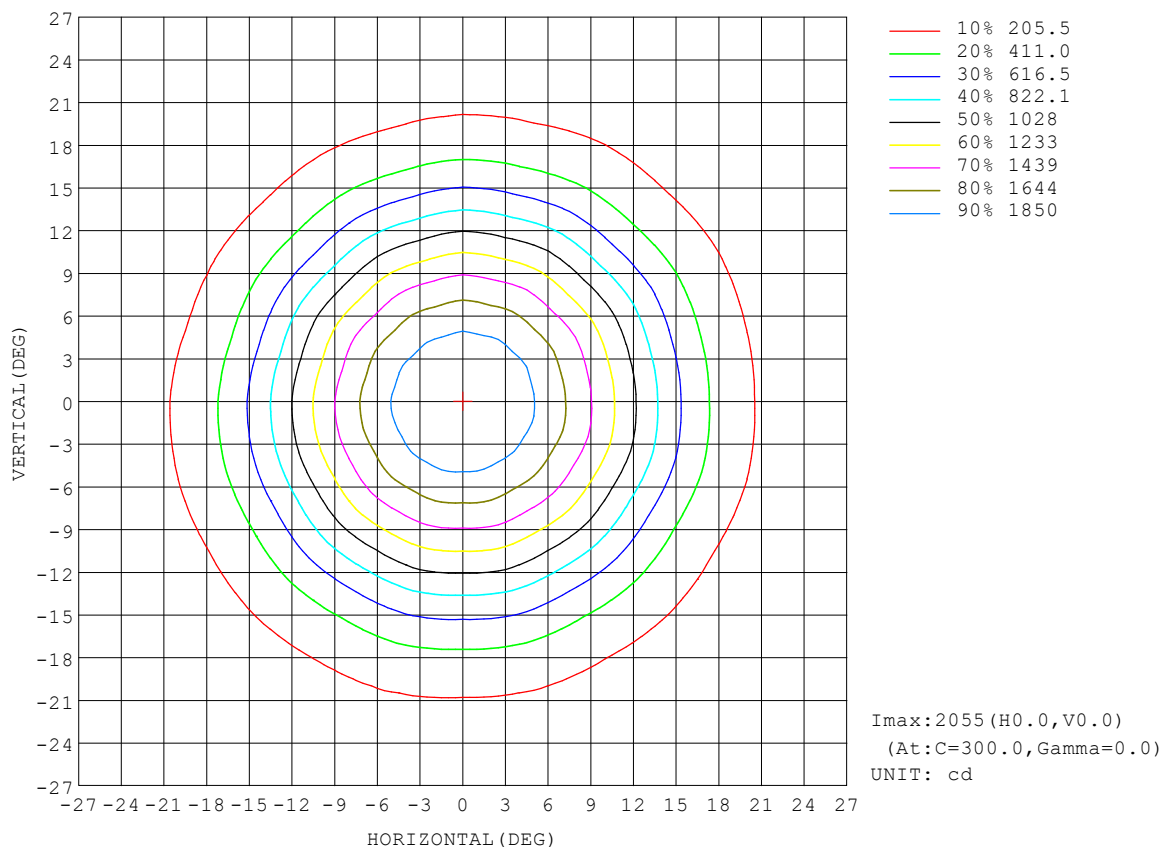
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	87	81	77	87	81	77	86	80	77	73
0.80	95	89	85	94	88	85	93	88	84	81
1.00	99	93	90	98	93	89	97	93	89	85
1.25	103	98	94	102	97	94	100	96	93	89
1.50	106	101	98	104	100	97	102	99	96	91
2.00	108	104	101	107	103	100	104	101	99	93
2.50	110	106	103	108	105	102	105	103	100	95
3.00	112	108	106	110	107	104	107	104	102	96
4.00	114	111	109	112	109	107	108	106	105	98
5.00	115	113	111	113	111	109	109	108	106	99
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: AE
Test Date: 2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.240m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 28	Shielding Angle :

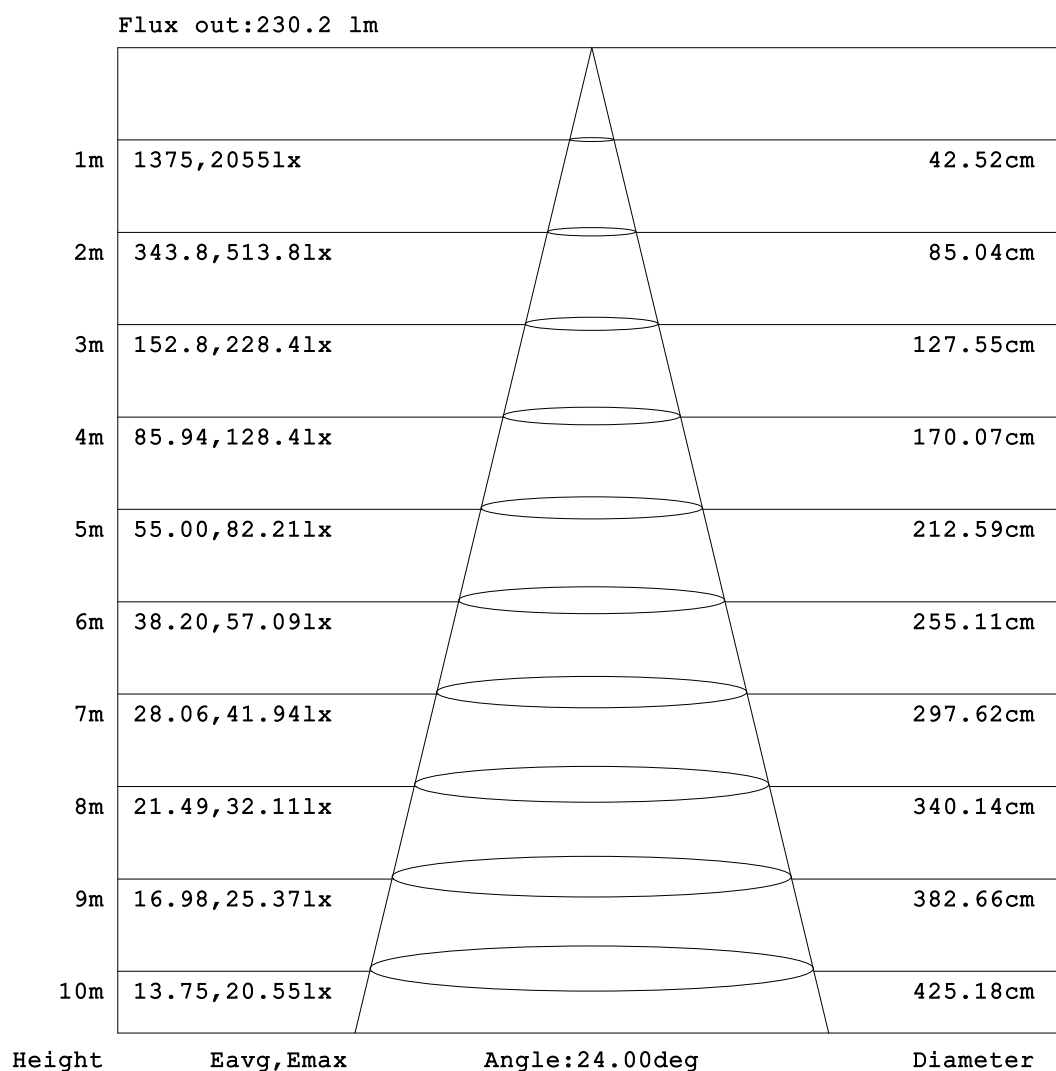


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:AE
 Test Date:2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.240m [K=1.0000]
 Remarks:

AAI Figure

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 28	Shielding Angle:



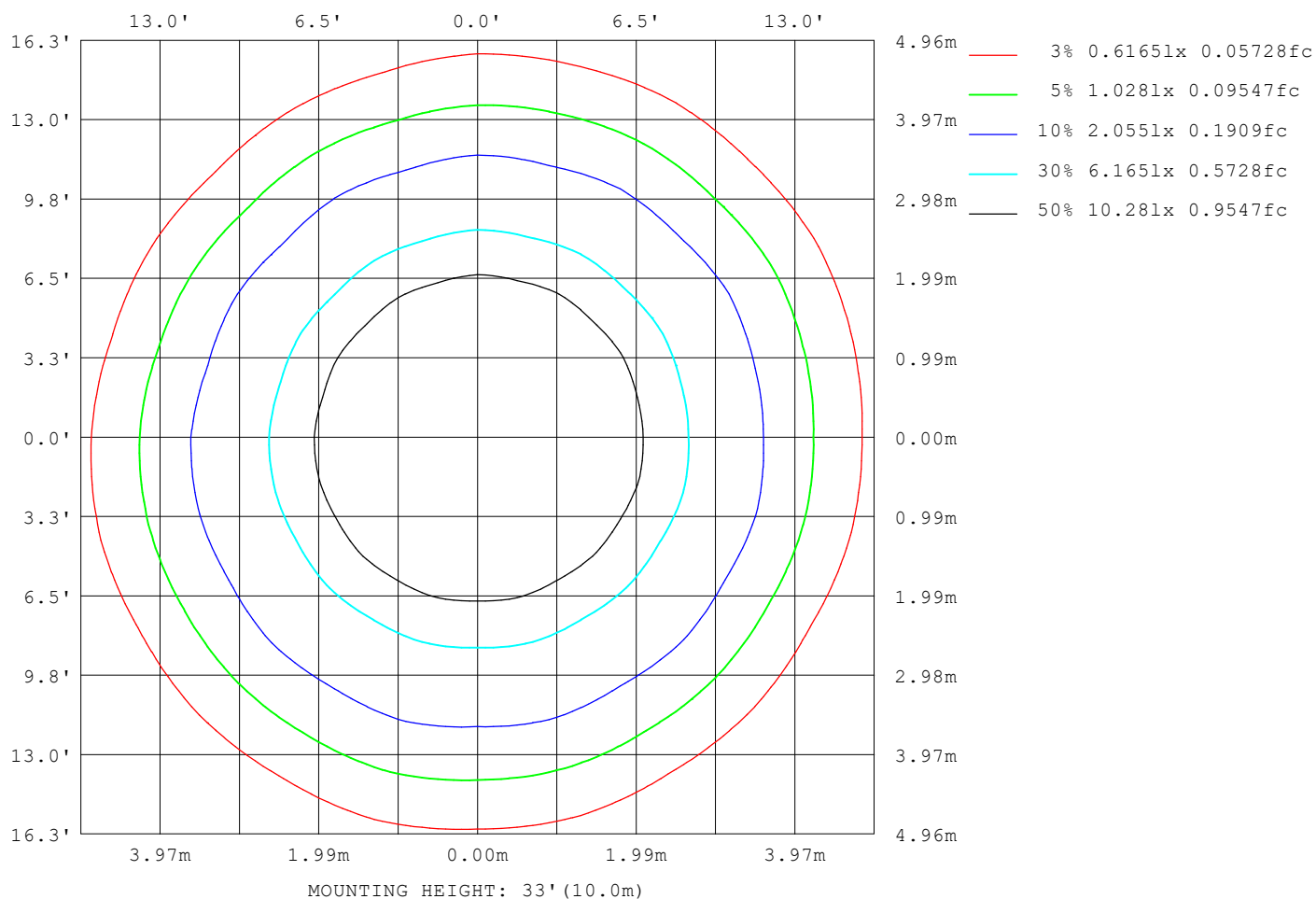
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:2020-06-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 28	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: AE
Test Date: 2020-06-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.240m [K=1.0000]
Remarks:

LED Avg.L Report

NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: 28	Shielding Angle:

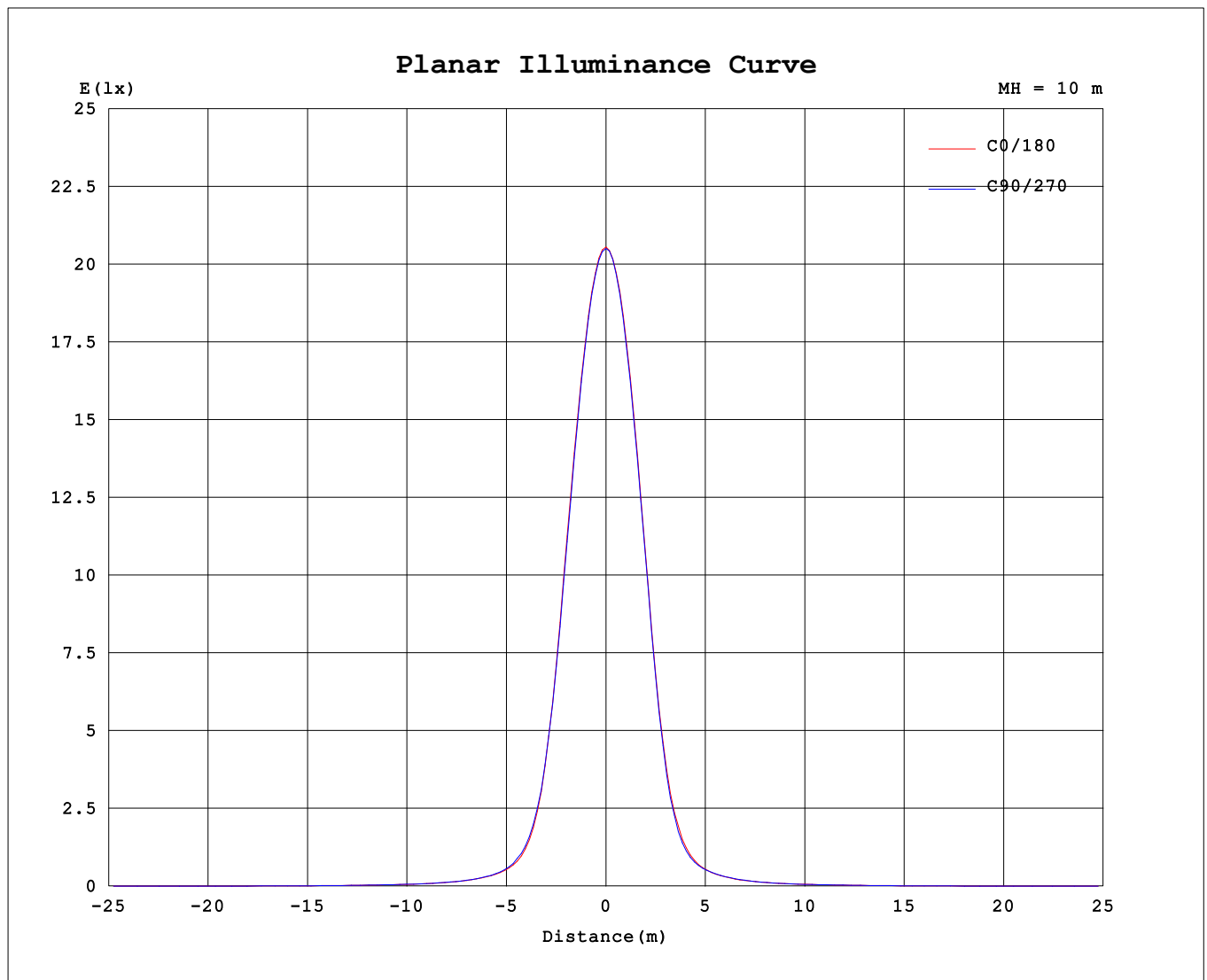
AvgL	cd/m2
L_0~180 (65) av	4628
L_0~180 (75) av	2569
L_0~180 (85) av	0
L_90~270 (65) av	4684
L_90~270 (75) av	2587
L_90~270 (85) av	0
L_45 (65) av	4693
L_45 (75) av	2539
L_45 (85) av	5

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:AE
Test Date:2020-06-16

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: AE
Test Date: 2020-06-16

γ Range: 0 - 90DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity: 65.0%
Test Distance: 7.240m [K=1.0000]
Remarks:

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γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

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NAME :	TYPE :	WEIGHT :
SPEC. :	DIM. :	SERIAL No. :
MFR. :	SUR. : 28	Shielding Angle :

UNIT: cd

[illegible]

```

γ Range: 0 - 90DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.240m [K=1.0000]
Remarks:

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