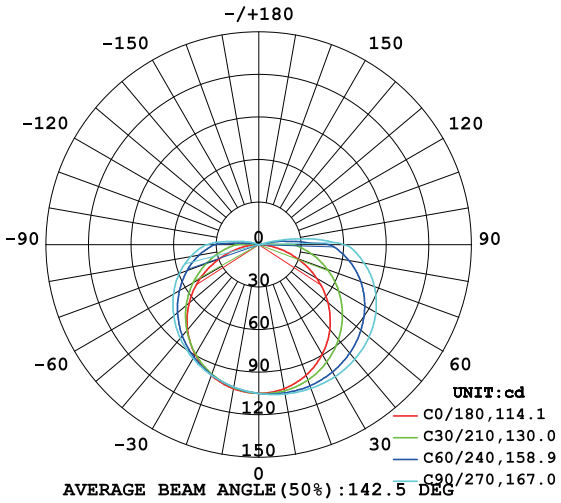
RODDA COB (21.AB09.1300.00)

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: RODDA COB 7w MICRO 21.AB09.1300.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2200K IP20, BLT	DIM.: 1M	SERIAL No.:18
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:

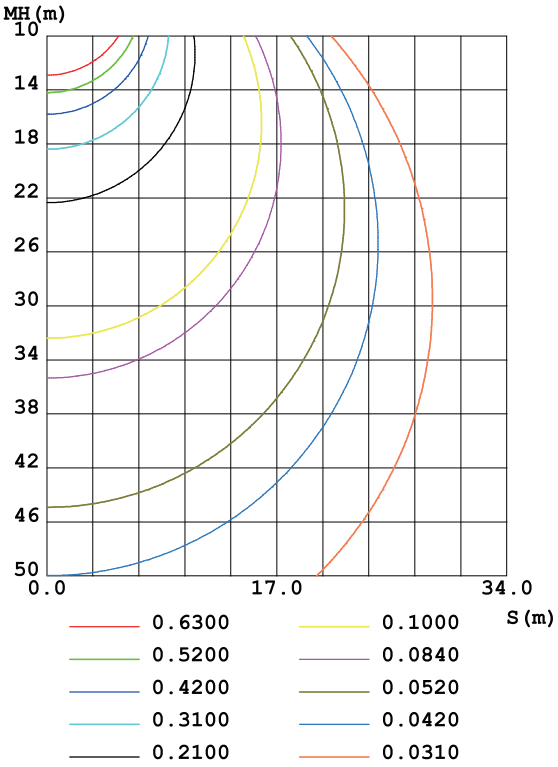
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 62.46 lm/W	
MODEL		Imax(cd)	107.9	S/MH(C0/180)	1.27
NOMINAL POWER(W)	7.06712	LOR(%)	100.0	S/MH(C90/270)	1.33
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	441.41	η UP,DN(C0-180)	3.0,52.6
NOMINAL FLUX(lm)	441.406	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.1,42.4
LAMPS INSIDE	1	η up(%)	5.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	95.0	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):142.5 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

RODDA COB (21.AB09.1300.00)

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	103.2	105.4	107.0	105.5	103.2	102.2	102.0	101.6	0- 10	9.957	9.957	2.26,2.26
20	97.93	103.8	107.8	104.2	98.15	97.22	98.00	96.44	10- 20	28.94	38.90	8.81,8.81
30	89.43	100.0	107.5	100.7	89.72	90.19	92.73	89.24	20- 30	45.22	84.12	19.1,19.1
40	77.97	94.15	105.4	95.30	78.29	81.31	86.15	80.17	30- 40	57.26	141.4	32,32
50	63.65	86.34	101.5	87.98	64.19	70.90	78.32	69.59	40- 50	63.97	205.4	46.5,46.5
60	47.11	76.67	95.39	78.91	47.70	59.20	69.47	57.93	50- 60	64.83	270.2	61.2,61.2
70	29.17	65.51	86.86	68.15	29.81	47.20	59.72	46.01	60- 70	60.06	330.2	74.8,74.8
80	12.11	52.70	75.40	55.78	12.58	35.34	48.83	34.29	70- 80	50.62	380.9	86.3,86.3
90	0.7376	38.68	59.81	41.22	1.062	23.81	36.51	23.14	80- 90	38.41	419.3	95,95
100	0.2510	3.224	22.80	6.104	0.3667	3.387	13.33	6.516	90-100	17.28	436.6	98.9,98.9
110	0.2510	0.4938	0.7880	0.3724	0.2904	0.4376	3.723	0.6165	100-110	3.097	439.7	99.6,99.6
120	0.2510	0.4415	0.5020	0.3720	0.3047	0.3887	0.5256	0.4859	110-120	0.4929	440.1	99.7,99.7
130	0.2751	0.4146	0.4431	0.3808	0.3497	0.3724	0.4614	0.4358	120-130	0.3545	440.5	99.8,99.8
140	0.3303	0.4142	0.4283	0.3925	0.3724	0.3724	0.4615	0.4331	130-140	0.3064	440.8	99.9,99.9
150	0.3423	0.4212	0.4198	0.4156	0.3994	0.3724	0.4579	0.4305	140-150	0.2536	441.1	99.9,99.9
160	0.3608	0.4254	0.4188	0.4408	0.4211	0.3737	0.4534	0.4325	150-160	0.1899	441.2	100,100
170	0.3832	0.4332	0.4274	0.4471	0.4210	0.3777	0.4323	0.4365	160-170	0.1177	441.4	100,100
180	0.4210	0.4453	0.4453	0.4291	0.4210	0.3805	0.4048	0.4372	170-180	0.0402	441.4	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 172.89 lm

%lum = 39.2%
%lamp = 39.2%

Conical surface Flux(120deg): 270.18 lm

%lum = 61.2%
%lamp = 61.2%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

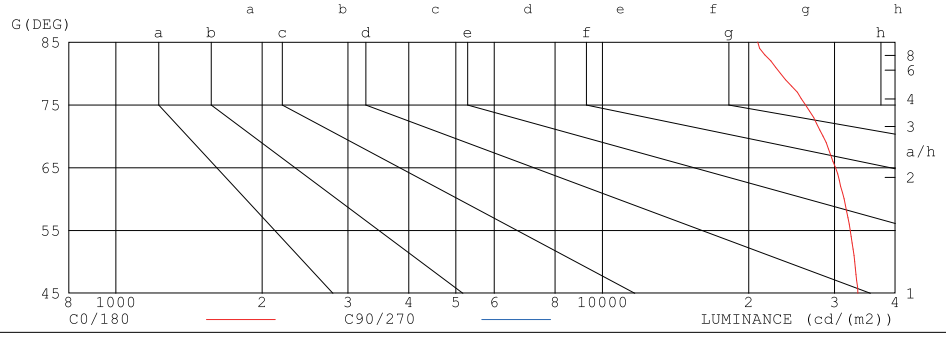
RODDA COB (**21.AB09.1300.00**)

LUMINANCE LIMITATION CURVES

NAME: RODDA COB 7w MICRO 21.AB09.1300.00	**TYPE:IES**	**WEIGHT:**
SPEC.:7W MICRO 3MMX2.5M 24V 2200K IP20, BLT	**DIM.: 1M**	**SERIAL No.:18**
MFR.: IDEA ILUMINACIóN S.A.	**SUR.:0.003*1**	**Shielding Angle:**

LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300
		a	b	c	d	e	f	g	h



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	20862	264259
80	23251	144737
75	26158	105033
70	28434	84656
65	30133	72131
60	31410	63595
55	32340	57366
50	33007	52612
45	33533	48883

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

RODDA COB (**21.AB09.1300.00**)

WEC AND CCEC

NAME: RODDA COB 7w MICRO 21.AB09.1300.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2200K IP20, BLT	DIM.: 1M	SERIAL No.:18
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:

ρcc	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 Coeffcients(WEC)									
0.0																
1.0	.410	.233	.074	.401	.229	.073	.385	.221	.070	.369	.213	.068	.355	.206	.066	
2.0	.353	.193	.059	.345	.190	.059	.330	.183	.057	.316	.177	.056	.304	.172	.054	
3.0	.312	.166	.050	.305	.163	.049	.291	.158	.048	.279	.153	.047	.268	.148	.046	
4.0	.280	.145	.043	.273	.143	.042	.261	.139	.041	.250	.134	.041	.240	.130	.040	
5.0	.253	.129	.037	.248	.127	.037	.237	.123	.036	.227	.120	.036	.218	.116	.035	
6.0	.231	.116	.033	.226	.114	.033	.217	.111	.032	.208	.108	.032	.199	.105	.031	
7.0	.213	.105	.030	.208	.104	.030	.200	.101	.029	.192	.098	.029	.184	.096	.028	
8.0	.197	.096	.027	.193	.095	.027	.185	.092	.026	.178	.090	.026	.171	.088	.026	
9.0	.183	.089	.025	.180	.088	.025	.173	.085	.024	.166	.083	.024	.160	.081	.023	
10.0	.171	.082	.023	.168	.081	.023	.162	.079	.022	.155	.077	.022	.150	.075	.022	

ρcc	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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.229	.229	.229	.195	.195	.195	.133	.133	.133	.077	.077	.077	.025	.025	.025	
1.0	.226	.194	.165	.193	.166	.142	.132	.114	.098	.076	.066	.057	.024	.021	.018	
2.0	.219	.170	.129	.188	.147	.112	.129	.101	.078	.074	.059	.046	.024	.019	.015	
3.0	.212	.154	.107	.181	.132	.093	.125	.092	.065	.072	.054	.038	.023	.017	.013	
4.0	.203	.141	.093	.175	.122	.081	.120	.085	.057	.069	.050	.034	.022	.016	.011	
5.0	.195	.131	.083	.168	.113	.072	.116	.079	.051	.067	.046	.030	.022	.015	.010	
6.0	.188	.123	.076	.161	.106	.066	.111	.074	.047	.065	.044	.028	.021	.014	.009	
7.0	.180	.116	.071	.155	.100	.062	.107	.070	.044	.062	.041	.026	.020	.014	.009	
8.0	.173	.110	.067	.149	.096	.058	.103	.067	.041	.060	.040	.025	.019	.013	.008	
9.0	.167	.105	.064	.144	.091	.056	.099	.064	.039	.058	.038	.024	.019	.012	.008	
10.0	.161	.101	.061	.138	.088	.053	.096	.062	.038	.056	.036	.023	.018	.012	.008	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

RODDA COB (**21.AB09.1300.00**)

UGR(Unified Glare Rating) Table

NAME: RODDA COB 7w MICRO 21.AB09.1300.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2200K IP20, BLT	DIM.: 1M	SERIAL No.:18
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	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	27.5	29.1	27.9	29.4	29.8	30.4	32.0	30.7	32.3	32.6
3H	29.1	30.6	29.5	30.9	31.3	33.3	34.8	33.7	35.1	35.5
4H	29.7	31.2	30.1	31.5	31.9	34.9	36.3	35.3	36.7	37.1
6H	30.2	31.5	30.6	31.9	32.3	36.6	38.0	37.1	38.4	38.8
8H	30.3	31.7	30.8	32.0	32.5	37.6	38.9	38.0	39.3	39.7
12H	30.4	31.7	30.9	32.1	32.5	38.6	39.9	39.1	40.3	40.7
4H 2H	29.0	30.4	29.4	30.8	31.2	31.0	32.4	31.4	32.8	33.1
3H	30.9	32.2	31.3	32.5	33.0	34.2	35.4	34.6	35.8	36.3
4H	31.7	32.9	32.2	33.3	33.8	36.0	37.1	36.4	37.6	38.0
6H	32.4	33.4	32.9	33.9	34.4	37.9	39.0	38.4	39.4	39.9
8H	32.6	33.6	33.1	34.1	34.6	39.0	40.0	39.5	40.5	41.0
12H	32.8	33.7	33.3	34.2	34.7	40.2	41.2	40.7	41.6	42.2
8H 4H	33.1	34.1	33.6	34.5	35.0	36.3	37.3	36.8	37.8	38.3
6H	34.2	35.0	34.7	35.5	36.0	38.6	39.5	39.1	40.0	40.5
8H	34.6	35.4	35.2	35.9	36.5	39.9	40.7	40.5	41.2	41.8
12H	35.0	35.6	35.5	36.2	36.8	41.4	42.1	42.0	42.6	43.2
12H 4H	33.5	34.4	34.0	34.9	35.4	36.4	37.3	36.9	37.8	38.3
6H	34.9	35.6	35.4	36.1	36.7	38.7	39.5	39.3	40.0	40.6
8H	35.5	36.2	36.1	36.7	37.3	40.2	40.8	40.7	41.4	42.0
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.3 / - 0.4				

CIE Pub.117, 441.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -2.8)
Area: 0.003 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

RODDA COB (**21.AB09.1300.00**)

UTILIZATION FACTORS TABLE

NAME: RODDA COB 7w MICRO 21.AB09.1300.00	**TYPE:IES**	**WEIGHT:**
SPEC.:7W MICRO 3MMX2.5M 24V 2200K IP20, BLT	**DIM.: 1M**	**SERIAL No.:18**
MFR.: IDEA ILUMINACIóN S.A.	**SUR.:0.003*1**	**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) x RCR = 5									
k = 0.60	50	38	30	50	37	30	48	37	30	23
0.80	60	47	38	58	46	38	56	45	38	30
1.00	68	55	46	66	54	46	63	56	45	37
1.25	74	62	53	73	61	53	70	59	52	43
1.50	80	67	59	78	66	58	74	64	57	48
2.00	87	76	68	85	74	67	80	72	65	56
2.50	91	81	73	89	80	72	84	76	70	60
3.00	95	86	78	93	84	77	88	81	75	64
4.00	100	92	85	97	90	84	92	86	81	70
5.00	103	96	90	100	94	88	94	89	85	74
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

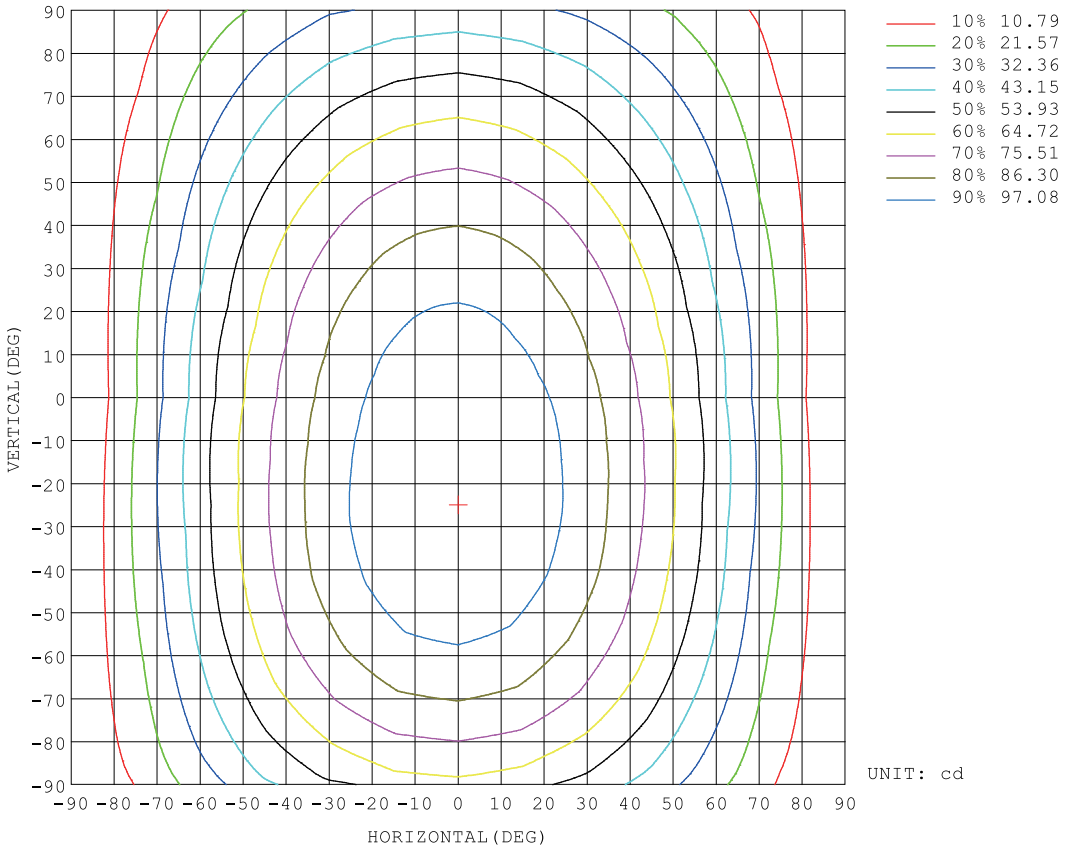
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

RODDA COB (**21.AB09.1300.00**)

ISOCANDELA DIAGRAM

NAME: RODDA COB 7w MICRO 21.AB09.1300.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2200K IP20, BLT	DIM.: 1M	SERIAL No.:18
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:



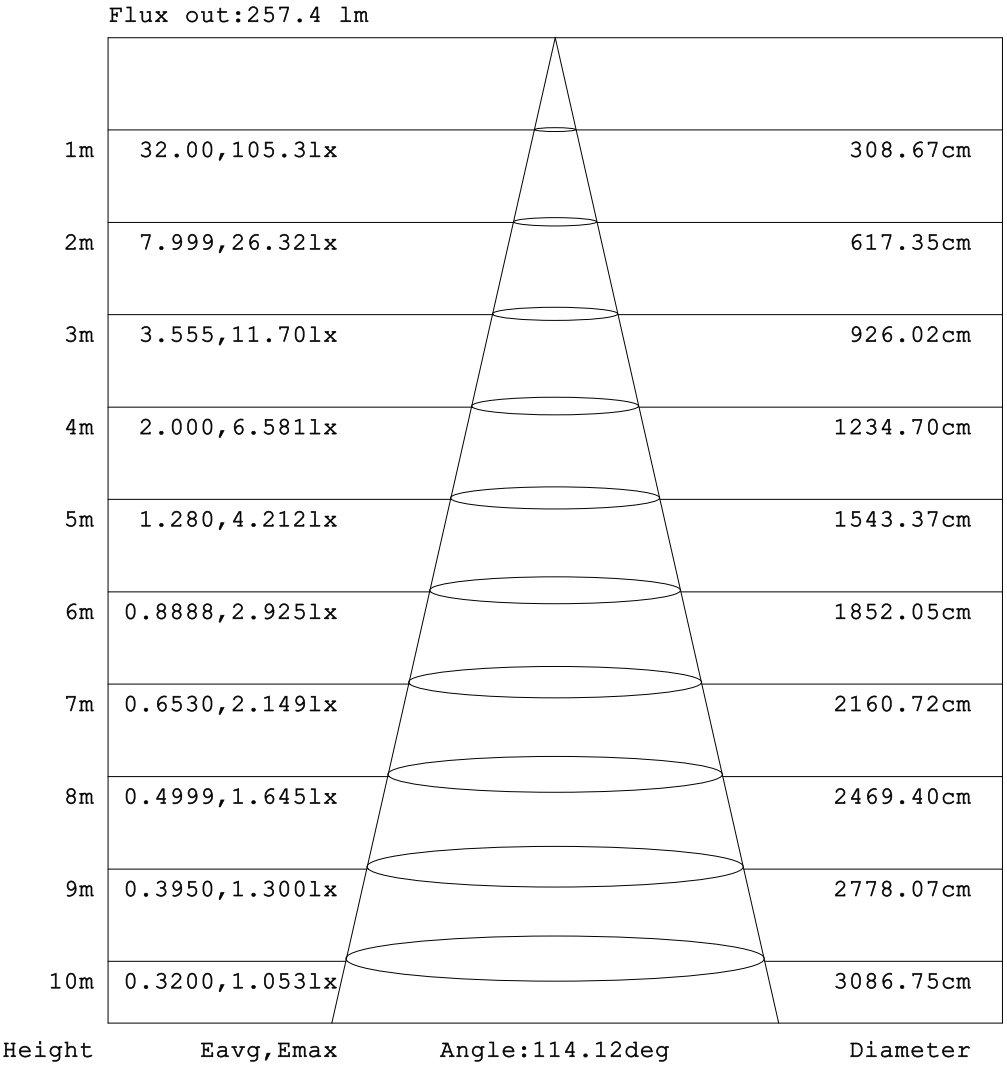
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

RODDA COB (**21.AB09.1300.00**)

AAI Figure

NAME: RODDA COB 7w MICRO 21.AB09.1300.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2200K IP20, BLT	DIM.: 1M	SERIAL No.:18
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:



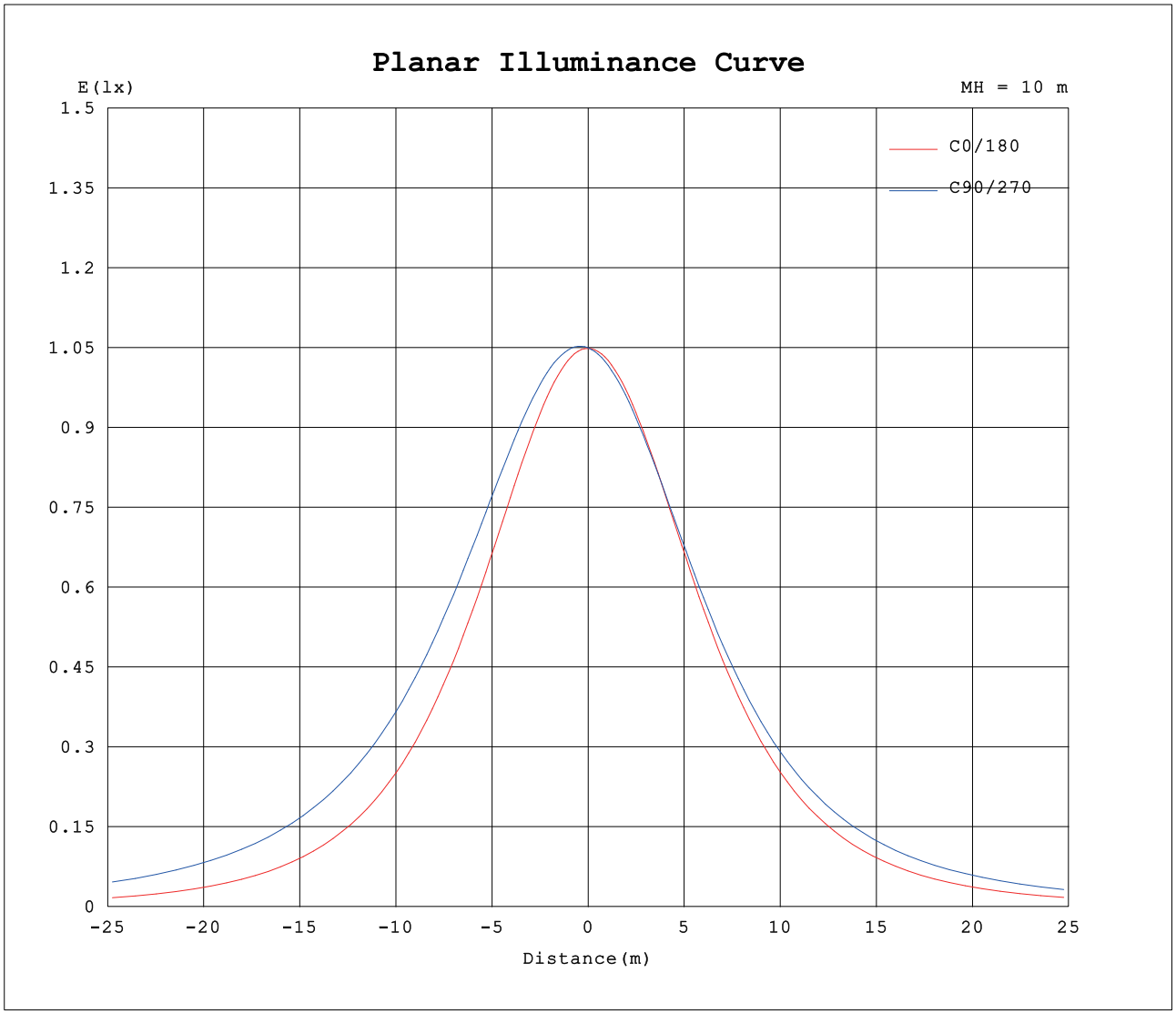
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

RODDA COB (**21.AB09.1300.00**)

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

RODDA COB (**21.AB09.1300.00**)

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: RODDA COB 7w MICRO 21.AB09.1300.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2200K IP20, BLT	DIM.: 1M	SERIAL No.:18
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:

Table--1 UNIT: cd

γ (DEG) \ C(DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105	105
5	104	105	105	105	106	106	106	106	106	105	105	105	104	104	104	104	104	104	104
10	103	104	105	105	106	107	107	107	106	106	105	104	103	103	102	102	102	102	102
15	101	102	103	105	106	107	108	107	106	105	104	102	101	100	100	99.9	100	100	100
20	97.9	99.6	102	104	106	107	108	107	106	104	102	99.7	98.2	97.2	97.1	97.2	97.7	97.9	98.0
25	94.0	96.3	98.9	102	105	107	108	107	106	103	99.4	96.4	94.4	93.2	93.5	93.9	94.8	95.3	95.5
30	89.4	92.2	95.7	100	104	106	108	107	104	101	96.3	92.5	89.7	88.6	89.2	90.2	91.6	92.4	92.7
35	84.1	87.3	91.9	97.4	102	105	107	106	103	98.3	92.6	87.7	84.3	83.3	84.3	85.9	88.0	89.2	89.6
40	78.0	81.8	87.4	94.1	99.8	104	105	104	101	95.3	88.4	82.3	78.3	77.3	79.0	81.3	84.0	85.5	86.2
45	71.1	75.6	82.5	90.5	97.2	102	104	103	98.3	91.9	83.6	76.3	71.5	70.7	73.1	76.3	79.5	81.5	82.3
50	63.6	68.9	77.1	86.3	94.0	99.5	101	100	95.4	88.0	78.5	69.7	64.2	63.6	66.9	70.9	74.9	77.3	78.3
55	55.6	61.6	71.2	81.7	90.4	96.5	98.7	97.4	92.0	83.7	72.9	62.6	56.2	56.0	60.3	65.2	69.8	72.7	74.0
60	47.1	54.0	65.0	76.7	86.3	93.1	95.4	94.0	88.0	78.9	66.9	55.1	47.7	48.1	53.5	59.2	64.6	68.1	69.5
65	38.2	46.0	58.4	71.3	81.7	89.0	91.5	90.0	83.6	73.7	60.7	47.4	38.9	40.0	46.5	53.2	59.3	63.2	64.8
70	29.2	38.0	51.7	65.5	76.6	84.3	86.9	85.3	78.6	68.1	54.3	39.5	29.8	31.8	39.5	47.2	53.9	58.2	59.7
75	20.3	30.0	44.8	59.3	70.9	78.8	81.6	79.8	72.9	62.2	47.6	31.8	20.9	24.0	32.7	41.2	48.4	52.8	54.4
80	12.1	22.5	37.8	52.7	64.5	72.6	75.4	73.7	66.7	55.8	40.9	24.5	12.6	16.7	26.4	35.3	42.7	47.2	48.8
85	5.45	15.8	31.1	45.9	57.7	66.0	69.1	67.3	60.1	49.2	34.3	17.9	5.72	10.8	20.7	29.7	36.9	41.4	43.1
90	0.74	9.50	24.3	38.7	49.6	57.7	59.8	58.5	50.6	41.2	26.4	11.0	1.06	6.11	15.4	23.8	30.7	34.9	36.5
95	0.25	0.52	3.75	12.0	26.4	38.9	42.5	37.7	27.4	20.7	10.8	0.77	0.40	0.27	1.59	5.63	14.8	20.6	25.6
100	0.25	0.36	0.40	3.22	13.8	21.2	22.8	19.1	12.2	6.10	0.66	0.30	0.37	0.27	1.13	3.39	5.99	9.29	13.3
105	0.25	0.34	0.38	0.52	1.45	3.85	5.03	4.77	1.82	0.57	0.41	0.30	0.33	0.27	0.33	1.36	3.37	6.00	7.75
110	0.25	0.31	0.36	0.49	0.52	0.59	0.79	0.64	0.53	0.37	0.38	0.31	0.29	0.27	0.33	0.44	1.09	2.83	3.72
115	0.25	0.29	0.36	0.47	0.49	0.45	0.54	0.46	0.48	0.37	0.35	0.31	0.29	0.27	0.33	0.41	0.52	0.59	0.69
120	0.25	0.31	0.36	0.44	0.46	0.42	0.50	0.41	0.44	0.37	0.34	0.33	0.30	0.27	0.34	0.39	0.50	0.49	0.53
125	0.25	0.33	0.36	0.42	0.45	0.42	0.47	0.41	0.42	0.38	0.34	0.34	0.33	0.27	0.36	0.37	0.47	0.48	0.46
130	0.28	0.34	0.36	0.41	0.43	0.42	0.44	0.41	0.42	0.38	0.34	0.35	0.35	0.27	0.37	0.37	0.45	0.47	0.46
135	0.31	0.36	0.36	0.41	0.42	0.43	0.43	0.41	0.39	0.39	0.34	0.37	0.36	0.30	0.39	0.37	0.43	0.45	0.46
140	0.33	0.37	0.36	0.41	0.42	0.43	0.43	0.41	0.39	0.39	0.34	0.38	0.37	0.34	0.40	0.37	0.43	0.44	0.46
145	0.34	0.38	0.36	0.42	0.42	0.43	0.42	0.41	0.39	0.40	0.35	0.39	0.39	0.34	0.41	0.37	0.44	0.44	0.46
150	0.34	0.40	0.36	0.42	0.42	0.43	0.42	0.41	0.39	0.42	0.35	0.40	0.40	0.35	0.42	0.37	0.44	0.44	0.46
155	0.35	0.41	0.36	0.42	0.42	0.44	0.42	0.42	0.39	0.43	0.36	0.41	0.41	0.36	0.43	0.37	0.43	0.44	0.46
160	0.36	0.42	0.36	0.43	0.42	0.44	0.42	0.43	0.39	0.44	0.36	0.43	0.42	0.36	0.43	0.37	0.43	0.44	0.45
165	0.37	0.43	0.36	0.43	0.42	0.43	0.43	0.43	0.39	0.45	0.38	0.43	0.42	0.37	0.43	0.38	0.43	0.44	0.44
170	0.38	0.43	0.37	0.43	0.42	0.43	0.43	0.44	0.39	0.45	0.41	0.43	0.42	0.37	0.43	0.38	0.43	0.44	0.43
175	0.40	0.44	0.41	0.45	0.42	0.42	0.43	0.44	0.42	0.45	0.45	0.43	0.42	0.38	0.44	0.38	0.43	0.44	0.42
180	0.42	0.44	0.43	0.45	0.42	0.42	0.45	0.43	0.45	0.43	0.45	0.45	0.42	0.38	0.44	0.38	0.40	0.43	0.40

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M

RODDA COB (**21.AB09.1300.00**)

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: RODDA COB 7w MICRO 21.AB09.1300.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2200K IP20, BLT	DIM.: 1M	SERIAL No.:18
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:

Table--2 UNIT: cd

γ (DEG) \ C(DEG)	285	300	315	330	345														
0	105	105	105	105	105														
5	104	103	103	104	104														
10	102	102	102	102	102														
15	99.8	99.6	99.3	99.5	99.8														
20	97.6	97.1	96.4	96.4	96.6														
25	95.0	94.2	93.1	92.7	92.6														
30	92.0	90.9	89.2	88.4	87.9														
35	88.7	87.2	84.9	83.4	82.7														
40	85.1	83.1	80.2	78.0	76.7														
45	81.1	78.6	75.1	72.0	70.1														
50	76.8	73.9	69.6	65.8	62.9														
55	72.3	68.9	63.8	59.2	55.4														
60	67.7	63.7	57.9	52.3	47.5														
65	62.8	58.4	51.9	45.4	39.5														
70	57.7	53.0	46.0	38.5	31.4														
75	52.4	47.4	40.1	31.9	23.8														
80	46.7	41.7	34.3	25.8	16.8														
85	40.9	35.9	28.7	20.3	11.1														
90	34.5	30.3	23.1	15.2	6.59														
95	23.9	18.8	11.3	6.46	1.49														
100	13.0	10.8	6.52	2.79	0.38														
105	7.26	5.81	2.61	0.48	0.33														
110	3.02	1.64	0.62	0.43	0.32														
115	0.71	0.50	0.53	0.41	0.31														
120	0.55	0.48	0.49	0.40	0.31														
125	0.51	0.46	0.44	0.40	0.32														
130	0.48	0.46	0.44	0.41	0.33														
135	0.46	0.46	0.43	0.41	0.35														
140	0.46	0.47	0.43	0.41	0.36														
145	0.46	0.47	0.43	0.41	0.36														
150	0.46	0.46	0.43	0.42	0.36														
155	0.46	0.46	0.43	0.42	0.36														
160	0.46	0.45	0.43	0.42	0.36														
165	0.46	0.43	0.43	0.43	0.36														
170	0.46	0.43	0.44	0.43	0.37														
175	0.46	0.42	0.44	0.43	0.37														
180	0.45	0.42	0.44	0.43	0.44														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.407.13
Humidity:65.0%
Test Distance:12.000m [K=1.0000]
Remarks: 1M