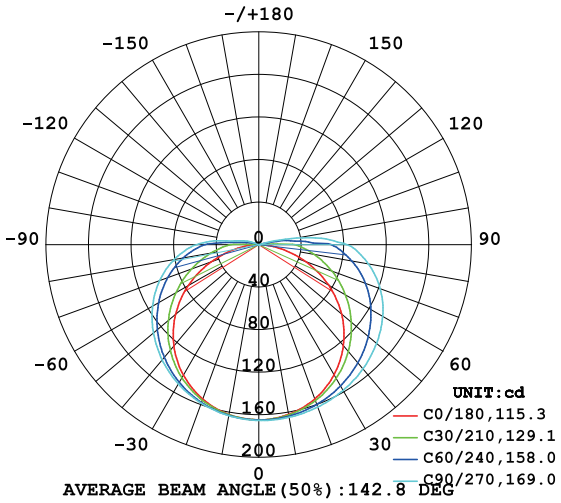
RODDA COB (21.AB09.1310.00)

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: RODDA COB 7w MICRO 21.AB09.1310.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2700K IP20, BLT	DIM.: 1M	SERIAL No.:19
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:

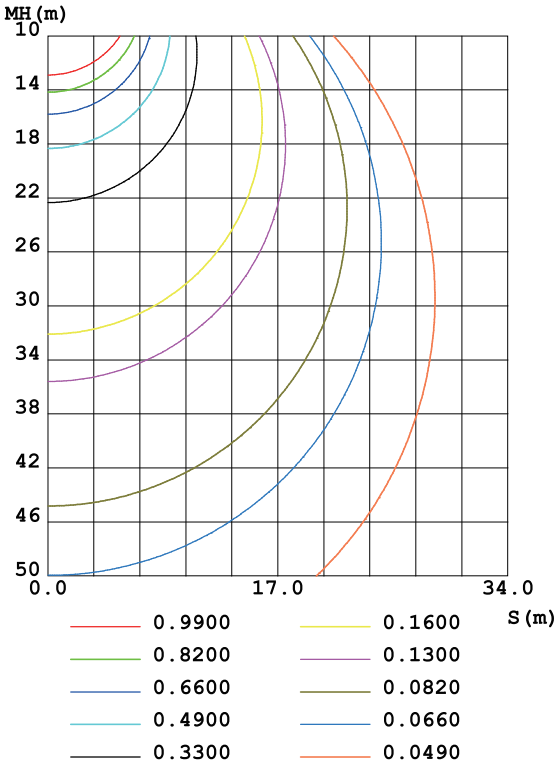
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 96.50 lm/W	
MODEL		Imax(cd)	165.5	S/MH(C0/180)	1.28
NOMINAL POWER(W)	7.07911	LOR(%)	100.0	S/MH(C90/270)	1.37
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	683.16	η UP,DN(C0-180)	2.9,49.7
NOMINAL FLUX(lm)	683.165	CIE CLASS	DIRECT	η UP,DN(C180-360)	2.3,45.1
LAMPS INSIDE	1	η up(%)	5.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	94.8	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):142.8 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.AB09.1310.00**)

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	162.1	163.1	164.9	164.4	162.2	162.7	163.3	162.4	0- 10	15.67	15.67	2.29,2.29
20	154.3	158.0	162.5	159.8	154.5	156.7	158.6	155.7	10- 20	45.46	61.13	8.95,8.95
30	141.5	149.5	158.4	152.0	141.8	147.2	151.3	145.5	20- 30	70.82	131.9	19.3,19.3
40	123.8	138.3	152.5	141.2	124.3	134.1	141.4	132.0	30- 40	89.35	221.3	32.4,32.4
50	101.7	124.6	144.6	128.2	102.2	118.0	129.4	115.8	40- 50	99.40	320.7	46.9,46.9
60	75.71	109.1	134.7	113.1	76.27	99.83	115.3	97.57	50- 60	100.3	421.0	61.6,61.6
70	47.11	91.91	121.5	96.57	47.73	80.36	99.29	78.22	60- 70	92.33	513.3	75.1,75.1
80	19.10	72.93	104.5	78.20	20.19	60.31	80.66	58.34	70- 80	77.03	590.3	86.4,86.4
90	0.5127	53.48	82.75	58.08	1.537	39.93	58.27	38.57	80- 90	57.41	647.7	94.8,94.8
100	0.3593	7.229	36.48	10.85	0.4845	7.408	21.37	12.24	90-100	26.89	674.6	98.8,98.8
110	0.3616	0.8696	0.7802	0.5424	0.3806	1.719	7.632	1.736	100-110	5.685	680.3	99.6,99.6
120	0.3638	0.6924	0.6558	0.5424	0.4324	0.5182	1.284	0.6884	110-120	1.033	681.4	99.7,99.7
130	0.4368	0.5723	0.6137	0.5505	0.4938	0.5124	0.6315	0.6112	120-130	0.5018	681.9	99.8,99.8
140	0.4882	0.5911	0.6148	0.5780	0.5345	0.5152	0.6315	0.5991	130-140	0.4338	682.3	99.9,99.9
150	0.4947	0.6197	0.6161	0.6234	0.5589	0.5181	0.6315	0.6033	140-150	0.3625	682.7	99.9,99.9
160	0.5343	0.6288	0.6188	0.6180	0.6153	0.5830	0.6315	0.6117	150-160	0.2782	682.9	100,100
170	0.5991	0.6307	0.6215	0.6212	0.6201	0.6114	0.6297	0.6200	160-170	0.1754	683.1	100,100
180	0.6234	0.6315	0.6234	0.6234	0.6153	0.6234	0.6234	0.6234	170-180	0.0595	683.2	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 270.31 lm

%lum = 39.6%
%lamp = 39.6%

Conical surface Flux(120deg): 420.96 lm

%lum = 61.6%
%lamp = 61.6%

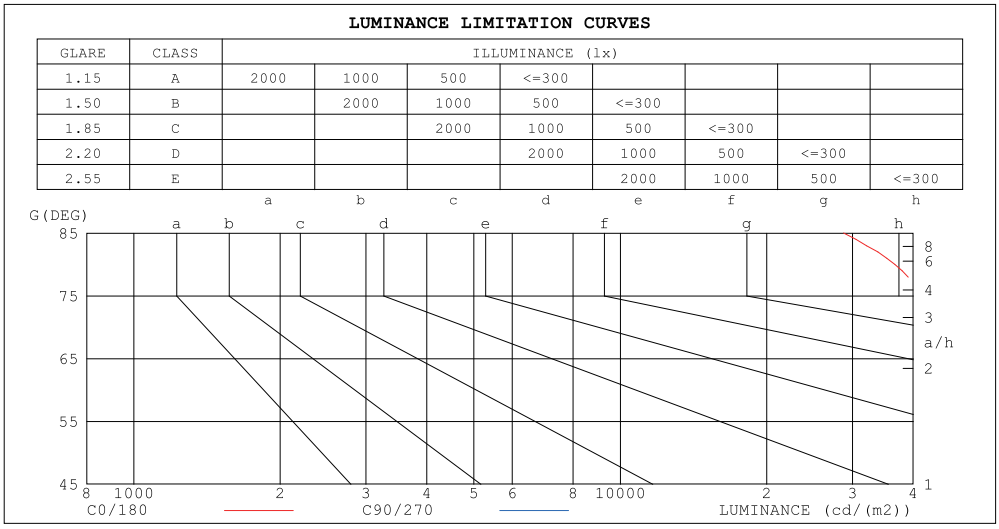
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

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.AB09.1310.00)

LUMINANCE LIMITATION CURVES

NAME: RODDA COB 7w MICRO 21.AB09.1310.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2700K IP20, BLT	DIM.: 1M	SERIAL No.:19
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:



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	28770	363446
80	36671	200593
75	42110	146168
70	45915	118434
65	48535	101371
60	50476	89771
55	51831	81304
50	52759	74977
45	53438	70129

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.AB09.1310.00**)

WEC AND CCEC

NAME: RODDA COB 7w MICRO 21.AB09.1310.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2700K IP20, BLT	DIM.: 1M	SERIAL No.:19
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	.406	.231	.073	.397	.226	.072	.380	.218	.070	.365	.210	.068	.351	.203	.066	
2.0	.350	.192	.059	.342	.188	.058	.327	.182	.057	.313	.176	.055	.301	.170	.054	
3.0	.310	.165	.049	.303	.162	.049	.289	.157	.048	.277	.152	.047	.266	.147	.046	
4.0	.278	.145	.042	.272	.142	.042	.260	.138	.041	.249	.134	.040	.238	.130	.039	
5.0	.252	.128	.037	.246	.127	.037	.236	.123	.036	.226	.119	.035	.216	.116	.035	
6.0	.230	.116	.033	.225	.114	.033	.216	.111	.032	.207	.107	.032	.198	.104	.031	
7.0	.212	.105	.030	.208	.103	.029	.199	.101	.029	.191	.098	.028	.183	.095	.028	
8.0	.196	.096	.027	.192	.095	.027	.184	.092	.026	.177	.090	.026	.170	.087	.025	
9.0	.183	.088	.025	.179	.087	.024	.172	.085	.024	.165	.083	.024	.159	.081	.023	
10.0	.171	.082	.023	.167	.081	.023	.161	.079	.022	.155	.077	.022	.149	.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	.230	.230	.230	.197	.197	.197	.134	.134	.134	.077	.077	.077	.025	.025	.025	
1.0	.227	.195	.167	.194	.167	.143	.133	.115	.099	.076	.067	.058	.024	.021	.019	
2.0	.220	.172	.131	.189	.148	.113	.129	.102	.079	.075	.059	.046	.024	.019	.015	
3.0	.212	.155	.109	.182	.134	.094	.125	.093	.066	.072	.054	.039	.023	.018	.013	
4.0	.204	.142	.094	.175	.123	.082	.121	.086	.058	.070	.050	.034	.022	.016	.011	
5.0	.196	.132	.085	.169	.114	.074	.116	.080	.052	.067	.047	.031	.022	.015	.010	
6.0	.189	.124	.077	.162	.107	.067	.112	.075	.048	.065	.044	.028	.021	.014	.009	
7.0	.181	.117	.072	.156	.102	.063	.108	.071	.045	.063	.042	.027	.020	.014	.009	
8.0	.174	.111	.068	.150	.097	.060	.104	.068	.042	.060	.040	.025	.020	.013	.008	
9.0	.168	.107	.065	.145	.092	.057	.100	.065	.040	.058	.038	.024	.019	.013	.008	
10.0	.162	.102	.063	.139	.089	.055	.097	.062	.039	.056	.037	.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.AB09.1310.00)

UGR(Unified Glare Rating) Table

NAME: RODDA COB 7w MICRO 21.AB09.1310.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2700K IP20, BLT	DIM.: 1M	SERIAL No.:19
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	27.3	28.9	27.7	29.2	29.5	29.8	31.4	30.1	31.7	32.0
3H	28.9	30.4	29.3	30.7	31.1	32.6	34.1	33.0	34.5	34.8
4H	29.5	30.9	29.9	31.3	31.7	34.2	35.6	34.6	36.0	36.4
6H	30.0	31.3	30.4	31.7	32.1	35.9	37.2	36.3	37.6	38.0
8H	30.1	31.4	30.6	31.8	32.2	36.8	38.1	37.3	38.5	38.9
12H	30.2	31.5	30.6	31.9	32.3	37.9	39.1	38.3	39.5	40.0
4H 2H	28.6	30.1	29.0	30.4	30.8	30.4	31.8	30.8	32.1	32.5
3H	30.5	31.8	30.9	32.2	32.6	33.5	34.8	33.9	35.2	35.6
4H	31.3	32.5	31.8	32.9	33.4	35.3	36.4	35.7	36.8	37.3
6H	32.0	33.0	32.4	33.5	34.0	37.2	38.2	37.7	38.7	39.2
8H	32.2	33.2	32.7	33.6	34.1	38.3	39.2	38.8	39.7	40.2
12H	32.3	33.3	32.9	33.7	34.3	39.5	40.4	40.0	40.9	41.4
8H 4H	32.6	33.5	33.1	34.0	34.5	35.6	36.6	36.1	37.1	37.6
6H	33.6	34.4	34.1	34.9	35.5	37.9	38.7	38.4	39.2	39.8
8H	34.0	34.8	34.6	35.3	35.9	39.2	39.9	39.7	40.4	41.0
12H	34.4	35.1	34.9	35.6	36.2	40.6	41.3	41.2	41.8	42.4
12H 4H	33.0	33.9	33.5	34.4	34.9	35.7	36.6	36.2	37.1	37.6
6H	34.3	35.0	34.8	35.5	36.1	38.0	38.8	38.5	39.3	39.8
8H	34.9	35.6	35.5	36.1	36.7	39.4	40.1	39.9	40.6	41.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117, 683.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.3)
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.AB09.1310.00)

UTILIZATION FACTORS TABLE

NAME: RODDA COB 7w MICRO 21.AB09.1310.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2700K IP20, BLT	DIM.: 1M	SERIAL No.:19
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	51	38	30	50	38	30	48	37	30	23
0.80	60	47	39	59	46	38	57	45	38	30
1.00	68	55	46	66	54	46	64	56	45	37
1.25	75	62	54	73	61	53	70	60	52	44
1.50	80	68	59	78	67	59	74	65	57	48
2.00	87	76	68	85	75	67	81	72	65	56
2.50	92	81	74	89	80	73	84	77	70	60
3.00	95	86	79	93	84	78	88	81	75	65
4.00	100	92	86	97	90	84	92	86	81	70
5.00	103	96	90	100	94	89	95	90	85	74
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

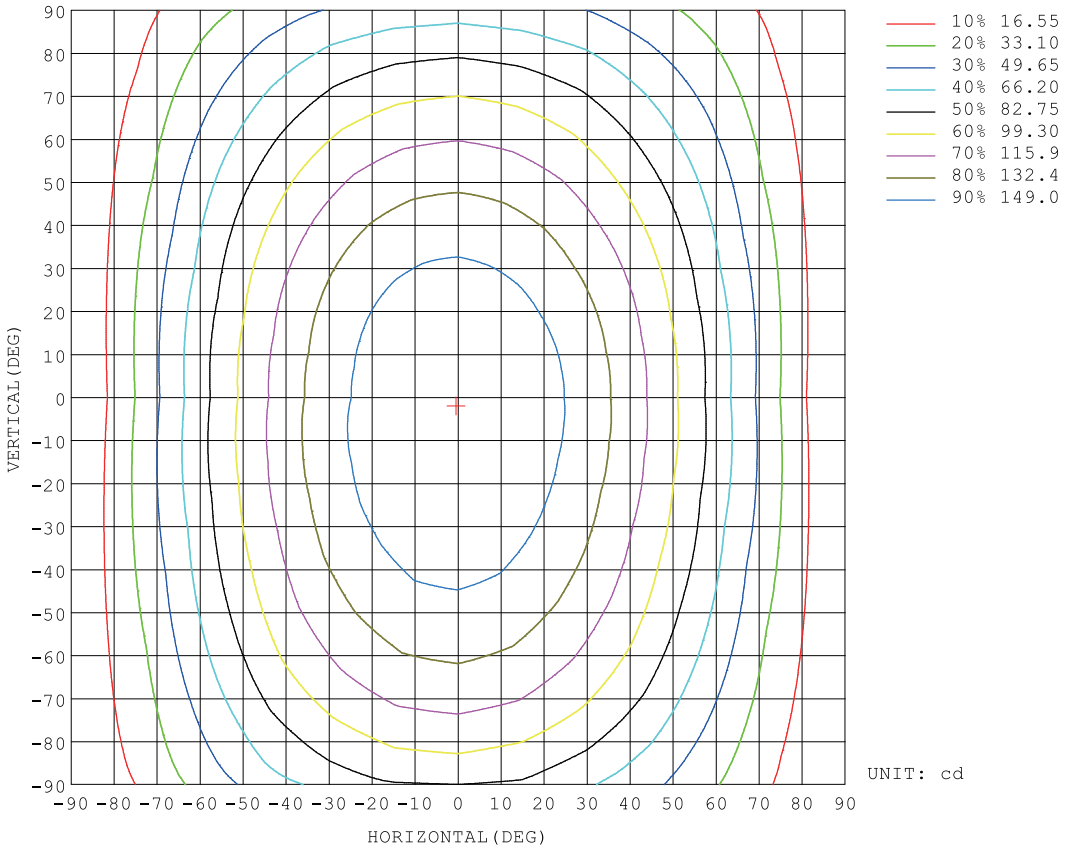
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

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.AB09.1310.00**)

ISOCANDELA DIAGRAM

NAME: RODDA COB 7w MICRO 21.AB09.1310.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2700K IP20, BLT	DIM.: 1M	SERIAL No.:19
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:



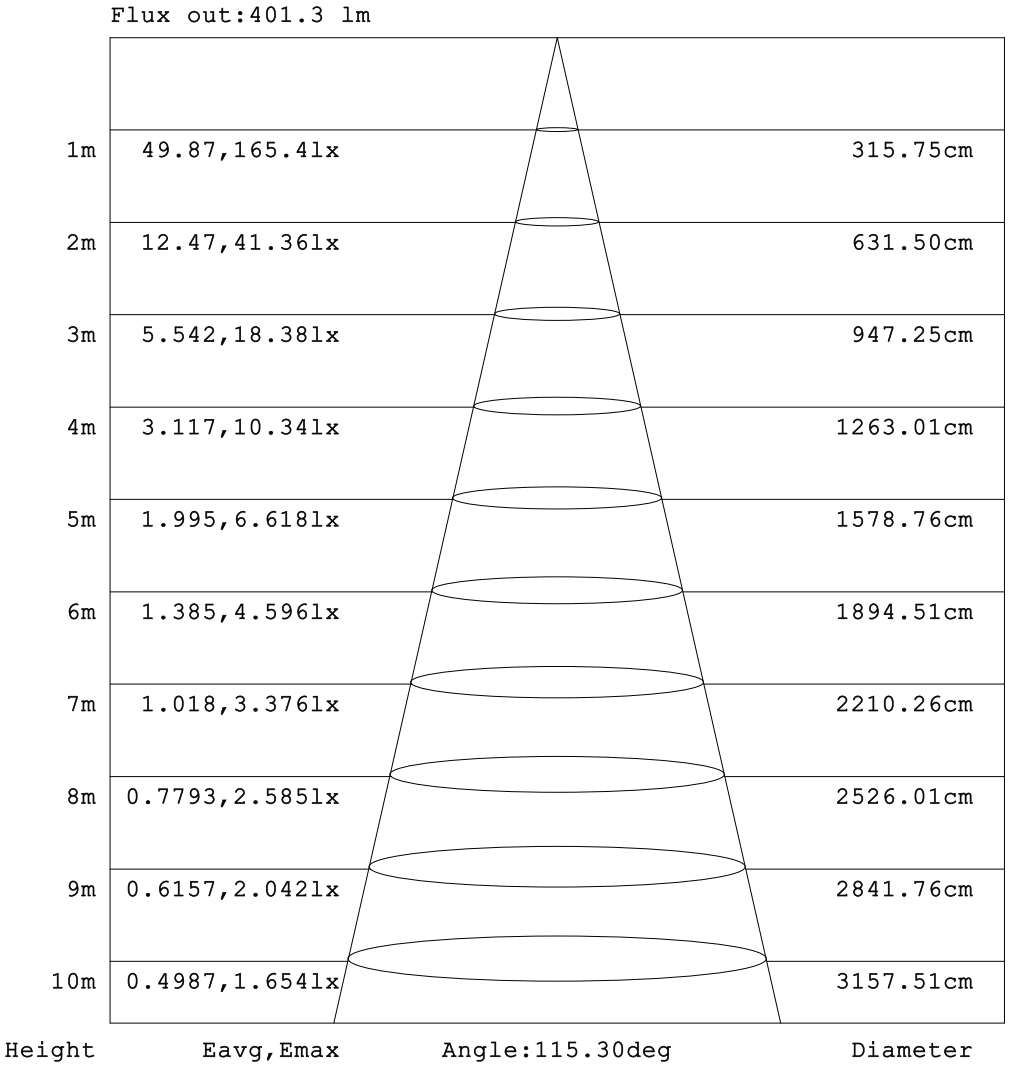
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-02-07

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.AB09.1310.00**)

AAI Figure

NAME: RODDA COB 7w MICRO 21.AB09.1310.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2700K IP20, BLT	DIM.: 1M	SERIAL No.:19
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:



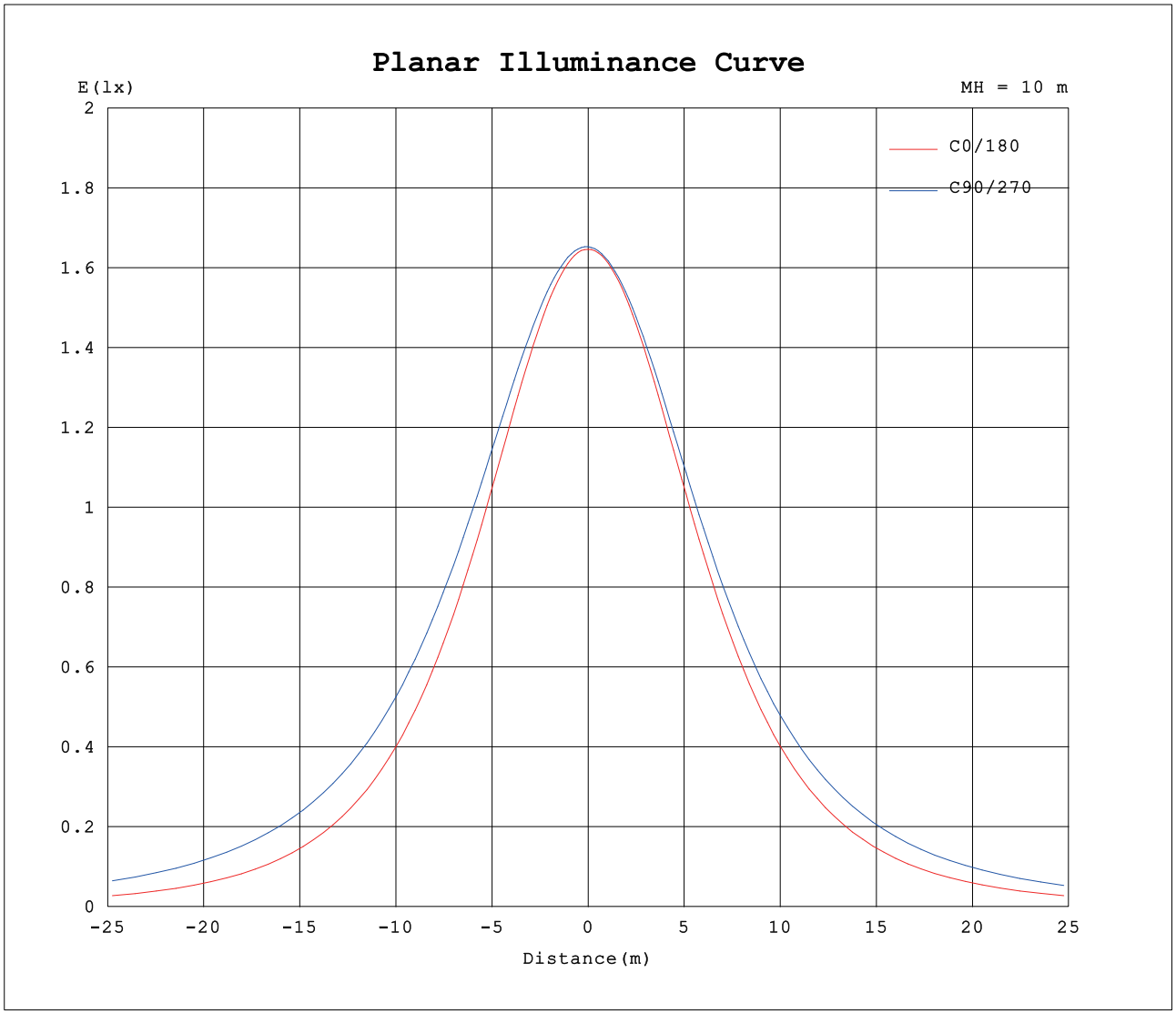
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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.AB09.1310.00**)

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.AB09.1310.00**)

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: RODDA COB 7w MICRO 21.AB09.1310.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2700K IP20, BLT	DIM.: 1M	SERIAL No.:19
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:

Table--1 UNIT: cd

C(DEG) / γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165	165
5	164	164	164	164	165	165	165	165	165	165	165	165	164	164	164	164	164	165	165
10	162	162	163	163	164	164	165	165	165	164	164	163	162	162	162	163	163	163	163
15	159	159	160	161	162	163	164	164	163	163	161	160	159	159	160	160	161	161	161
20	154	155	156	158	160	162	162	162	161	160	158	156	154	155	156	157	158	159	159
25	149	149	151	154	157	159	161	160	159	156	153	151	149	149	151	152	154	155	155
30	141	143	145	150	154	157	158	158	155	152	148	145	142	142	145	147	150	151	151
35	133	135	139	144	150	154	156	155	152	147	141	137	134	134	138	141	144	146	147
40	124	126	131	138	145	150	152	152	147	141	134	128	124	125	130	134	138	141	141
45	113	116	123	132	140	146	149	148	142	135	126	118	114	115	121	126	132	135	136
50	102	105	114	125	134	142	145	143	137	128	117	108	102	104	111	118	125	128	129
55	89.2	93.6	104	117	128	137	140	138	131	121	107	96.0	89.7	92.6	101	109	117	121	123
60	75.7	81.3	94.1	109	122	131	135	133	125	113	97.7	83.8	76.3	80.1	89.8	99.8	109	114	115
65	61.5	68.7	83.8	101	115	125	129	127	118	105	87.7	71.3	62.2	67.1	78.7	90.2	100	106	108
70	47.1	55.8	73.4	91.9	107	117	122	119	110	96.6	77.5	58.7	47.7	53.8	67.4	80.4	91.3	97.2	99.3
75	32.7	43.3	62.9	82.6	98.2	109	113	111	102	87.6	67.4	46.4	33.4	41.0	56.1	70.3	81.9	88.2	90.3
80	19.1	31.7	52.6	72.9	88.9	100	104	102	92.7	78.2	57.3	34.9	20.2	28.9	45.5	60.3	72.2	78.5	80.7
85	7.52	21.9	42.9	63.1	79.0	90.5	95.0	92.9	83.2	68.8	47.9	25.3	9.26	18.8	35.7	50.3	61.7	68.2	70.3
90	0.51	14.2	34.1	53.5	68.4	79.3	82.7	80.8	71.7	58.1	38.0	16.6	1.54	10.5	26.4	39.9	50.5	56.3	58.3
95	0.36	2.06	6.11	17.7	39.2	58.0	63.6	56.4	39.5	29.5	15.9	1.75	0.58	0.38	4.04	11.4	26.9	36.1	42.3
100	0.36	0.68	0.52	7.23	22.6	33.5	36.5	31.0	20.0	10.9	1.34	0.50	0.48	0.43	2.75	7.41	12.1	16.4	21.4
105	0.36	0.42	0.49	0.96	2.94	8.46	10.7	10.3	3.90	0.84	0.52	0.43	0.39	0.40	1.02	1.58	7.31	11.4	14.3
110	0.36	0.42	0.49	0.87	0.69	0.70	0.78	0.70	0.68	0.54	0.49	0.40	0.38	0.39	0.48	1.72	3.98	6.33	7.63
115	0.36	0.44	0.49	0.78	0.67	0.64	0.68	0.64	0.64	0.54	0.48	0.42	0.41	0.39	0.46	0.68	1.69	2.86	3.48
120	0.36	0.46	0.49	0.69	0.63	0.64	0.66	0.59	0.62	0.54	0.48	0.44	0.43	0.39	0.46	0.52	0.66	1.05	1.28
125	0.38	0.48	0.49	0.60	0.62	0.63	0.63	0.59	0.58	0.54	0.48	0.47	0.45	0.39	0.49	0.51	0.57	0.66	0.63
130	0.44	0.50	0.49	0.57	0.61	0.63	0.61	0.59	0.58	0.55	0.49	0.51	0.49	0.40	0.51	0.51	0.57	0.64	0.63
135	0.49	0.52	0.49	0.58	0.61	0.62	0.61	0.59	0.58	0.55	0.50	0.53	0.51	0.46	0.52	0.51	0.56	0.62	0.63
140	0.49	0.54	0.49	0.59	0.62	0.62	0.61	0.60	0.58	0.58	0.50	0.55	0.53	0.46	0.55	0.52	0.58	0.62	0.63
145	0.49	0.56	0.51	0.61	0.62	0.62	0.62	0.61	0.58	0.60	0.50	0.57	0.55	0.47	0.58	0.52	0.61	0.61	0.63
150	0.49	0.58	0.54	0.62	0.63	0.62	0.62	0.62	0.58	0.62	0.54	0.59	0.56	0.49	0.58	0.52	0.62	0.61	0.63
155	0.51	0.60	0.57	0.62	0.64	0.62	0.62	0.62	0.59	0.62	0.57	0.61	0.60	0.57	0.61	0.57	0.62	0.61	0.63
160	0.53	0.62	0.60	0.63	0.64	0.62	0.62	0.62	0.60	0.62	0.61	0.62	0.62	0.59	0.62	0.58	0.62	0.61	0.63
165	0.57	0.63	0.61	0.63	0.64	0.62	0.62	0.62	0.61	0.62	0.62	0.63	0.62	0.62	0.62	0.61	0.62	0.61	0.63
170	0.60	0.63	0.61	0.63	0.63	0.62	0.62	0.62	0.61	0.62	0.62	0.63	0.62	0.63	0.62	0.61	0.62	0.61	0.63
175	0.61	0.63	0.61	0.63	0.63	0.62	0.62	0.62	0.61	0.62	0.62	0.63	0.62	0.62	0.62	0.61	0.62	0.62	0.63
180	0.62	0.63	0.62	0.63	0.63	0.62	0.62	0.62	0.62	0.62	0.62	0.63	0.62	0.62	0.62	0.62	0.62	0.62	0.62

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.AB09.1310.00)

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: RODDA COB 7w MICRO 21.AB09.1310.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 2700K IP20, BLT	DIM.: 1M	SERIAL No.:19
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	165	165	165	165	165														
5	165	164	164	164	165														
10	163	163	162	162	162														
15	161	160	159	159	159														
20	158	157	156	155	154														
25	154	153	151	150	149														
30	150	148	146	143	142														
35	145	143	139	136	134														
40	140	137	132	128	125														
45	134	130	124	119	115														
50	127	123	116	109	104														
55	120	115	107	99.1	91.9														
60	113	107	97.6	88.2	79.3														
65	105	98.5	87.9	77.1	66.4														
70	96.2	89.6	78.2	66.0	53.2														
75	87.1	80.2	68.4	55.0	40.6														
80	77.4	70.3	58.3	44.6	28.9														
85	67.0	59.9	48.3	34.8	19.0														
90	55.6	49.5	38.6	25.9	10.9														
95	38.3	32.2	20.0	11.6	2.93														
100	21.0	18.2	12.2	5.77	0.67														
105	13.7	11.4	5.12	1.25	0.45														
110	6.76	4.42	1.74	0.70	0.45														
115	2.87	1.73	0.81	0.58	0.45														
120	0.96	0.66	0.69	0.56	0.46														
125	0.69	0.65	0.62	0.55	0.47														
130	0.66	0.65	0.61	0.56	0.47														
135	0.64	0.64	0.60	0.59	0.48														
140	0.64	0.64	0.60	0.61	0.48														
145	0.64	0.64	0.60	0.62	0.51														
150	0.64	0.64	0.60	0.62	0.53														
155	0.64	0.64	0.61	0.62	0.57														
160	0.64	0.64	0.61	0.63	0.59														
165	0.64	0.64	0.62	0.63	0.61														
170	0.64	0.64	0.62	0.63	0.62														
175	0.64	0.64	0.62	0.63	0.62														
180	0.64	0.64	0.62	0.62	0.63														

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