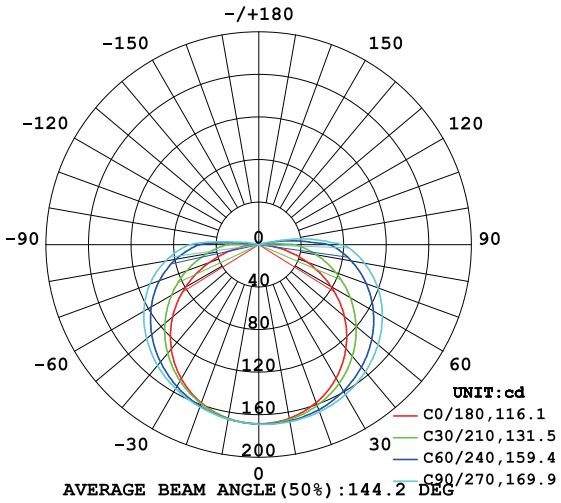
RODDA COB (21.AB09.1320.00)

LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: RODDA COB 7w MICRO 21.AB09.1320.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 3000K IP20, BLT	DIM.: 1M	SERIAL No.:20
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:

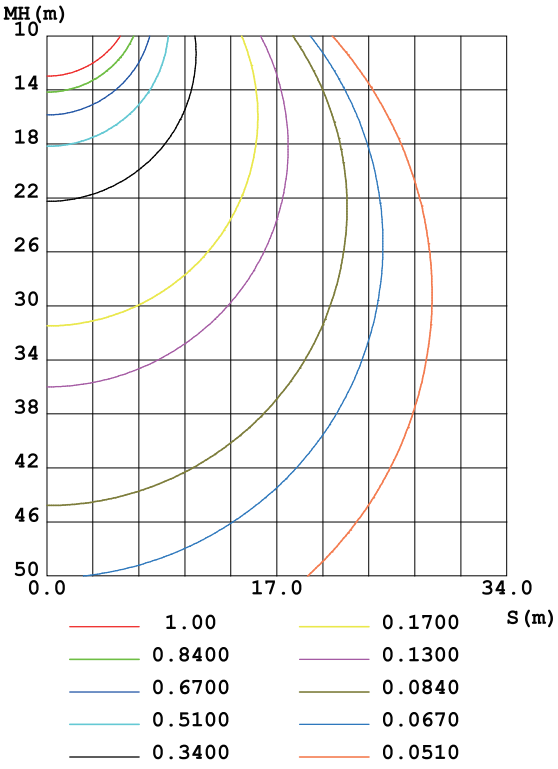
DATA OF LAMP		PHOTOMETRIC DATA		Eff: 99.52 lm/W	
MODEL		Imax(cd)	169.1	S/MH(C0/180)	1.29
NOMINAL POWER(W)	7.01192	LOR(%)	100.0	S/MH(C90/270)	1.40
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	697.84	η UP,DN(C0-180)	2.5,49.4
NOMINAL FLUX(lm)	697.844	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.6,46.5
LAMPS INSIDE	1	η up(%)	4.1	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	95.9	CIBSE SHR MAX	1.55

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



AVERAGE BEAM ANGLE(50%):144.2 DEG

C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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.AB09.1320.00**)

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	165.8	167.6	169.0	167.9	165.9	166.2	166.5	165.8	0- 10	16.01	16.01	2.29,2.29
20	158.1	163.2	167.2	163.7	158.3	160.2	162.3	159.5	10- 20	46.54	62.55	8.96,8.96
30	145.3	155.4	162.9	156.0	145.6	150.9	156.4	150.1	20- 30	72.75	135.3	19.4,19.4
40	127.5	144.2	155.9	144.8	128.0	138.7	148.2	137.6	30- 40	92.18	227.5	32.6,32.6
50	105.1	130.0	146.5	130.5	105.8	123.8	137.7	122.4	40- 50	103.0	330.5	47.4,47.4
60	78.40	113.4	134.2	113.7	79.21	106.5	124.8	104.7	50- 60	104.2	434.7	62.3,62.3
70	48.93	94.57	119.1	94.83	49.73	87.21	109.1	85.21	60- 70	96.10	530.8	76.1,76.1
80	20.25	73.85	101.0	74.22	21.23	66.07	89.04	64.18	70- 80	79.87	610.7	87.5,87.5
90	0.6810	52.04	77.13	51.96	1.963	43.33	64.16	42.43	80- 90	58.69	669.3	95.9,95.9
100	0.3549	7.917	28.91	4.151	0.3712	1.523	12.29	2.383	90-100	23.56	692.9	99.3,99.3
110	0.3426	0.8904	2.081	0.5700	0.3805	0.5668	0.7204	0.6315	100-110	2.496	695.4	99.7,99.7
120	0.3868	0.7185	0.8421	0.5598	0.4293	0.5199	0.6153	0.5814	110-120	0.6055	696.0	99.7,99.7
130	0.4515	0.6354	0.7045	0.5592	0.4890	0.5279	0.6153	0.5668	120-130	0.5052	696.5	99.8,99.8
140	0.4773	0.6234	0.6680	0.5910	0.5458	0.5359	0.6153	0.5640	130-140	0.4408	697.0	99.9,99.9
150	0.4858	0.6234	0.6639	0.6162	0.5839	0.6004	0.6153	0.5860	140-150	0.3692	697.3	99.9,99.9
160	0.5424	0.6234	0.6639	0.6189	0.6084	0.6072	0.6153	0.5961	150-160	0.2813	697.6	100,100
170	0.6072	0.6234	0.6639	0.6216	0.6125	0.6072	0.6153	0.6128	160-170	0.1763	697.8	100,100
180	0.6234	0.6234	0.6639	0.6234	0.6072	0.6072	0.6153	0.6234	170-180	0.0598	697.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 278.21 lm

%lum = 39.9%
%lamp = 39.9%

Conical surface Flux(120deg): 434.69 lm

%lum = 62.3%
%lamp = 62.3%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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

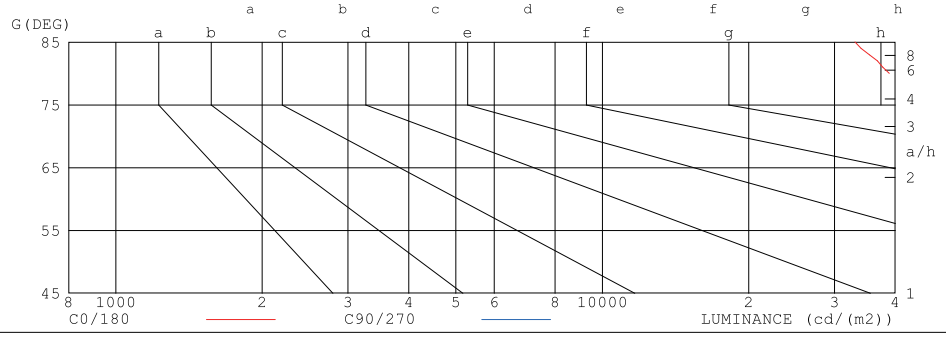
RODDA COB (**21.AB09.1320.00**)

LUMINANCE LIMITATION CURVES

NAME: RODDA COB 7w MICRO 21.AB09.1320.00	**TYPE:IES**	**WEIGHT:**
SPEC.:7W MICRO 3MMX2.5M 24V 3000K IP20, BLT	**DIM.: 1M**	**SERIAL No.:20**
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	33073	348153
80	38880	193785
75	43966	142051
70	47684	116060
65	50349	100203
60	52268	89464
55	53601	81743
50	54497	75948
45	55095	71397

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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.AB09.1320.00**)

WEC AND CCEC

NAME: RODDA COB 7w MICRO 21.AB09.1320.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 3000K IP20, BLT	DIM.: 1M	SERIAL No.:20
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	.407	.232	.073	.399	.227	.072	.383	.219	.070	.368	.212	.068	.354	.205	.066	
2.0	.352	.193	.059	.344	.189	.058	.329	.183	.057	.316	.177	.056	.304	.172	.054	
3.0	.311	.166	.050	.304	.163	.049	.292	.158	.048	.280	.153	.047	.269	.149	.046	
4.0	.279	.145	.043	.273	.143	.042	.262	.139	.041	.251	.135	.041	.241	.131	.040	
5.0	.253	.129	.037	.248	.127	.037	.237	.124	.036	.228	.120	.036	.219	.117	.035	
6.0	.231	.116	.033	.226	.114	.033	.217	.111	.032	.209	.108	.032	.201	.106	.031	
7.0	.213	.105	.030	.209	.104	.030	.200	.101	.029	.193	.099	.029	.185	.096	.028	
8.0	.197	.096	.027	.193	.095	.027	.186	.093	.026	.179	.091	.026	.172	.088	.026	
9.0	.183	.089	.025	.180	.088	.025	.173	.086	.024	.167	.084	.024	.161	.082	.024	
10.0	.171	.082	.023	.168	.081	.023	.162	.079	.022	.156	.078	.022	.151	.076	.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	.222	.222	.222	.189	.189	.189	.129	.129	.129	.074	.074	.074	.024	.024	.024	
1.0	.218	.187	.158	.187	.160	.136	.128	.110	.094	.074	.064	.055	.024	.021	.018	
2.0	.212	.163	.122	.181	.140	.106	.124	.097	.074	.072	.057	.043	.023	.018	.014	
3.0	.204	.146	.100	.175	.126	.087	.120	.088	.061	.069	.051	.036	.022	.017	.012	
4.0	.196	.134	.086	.168	.115	.074	.116	.080	.052	.067	.047	.031	.022	.015	.010	
5.0	.188	.123	.076	.162	.107	.066	.111	.075	.047	.064	.044	.028	.021	.014	.009	
6.0	.180	.115	.069	.155	.100	.060	.107	.070	.042	.062	.041	.025	.020	.013	.008	
7.0	.173	.109	.063	.149	.094	.055	.103	.066	.039	.060	.039	.023	.019	.013	.008	
8.0	.166	.103	.059	.143	.089	.052	.099	.063	.037	.057	.037	.022	.019	.012	.007	
9.0	.159	.098	.056	.137	.085	.049	.095	.060	.035	.055	.035	.021	.018	.012	.007	
10.0	.153	.094	.054	.132	.081	.047	.092	.057	.033	.053	.034	.020	.017	.011	.007	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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.AB09.1320.00)

UGR(Unified Glare Rating) Table

NAME: RODDA COB 7w MICRO 21.AB09.1320.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 3000K IP20, BLT	DIM.: 1M	SERIAL No.:20
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	29.2	27.9	29.4	29.7	29.7	31.3	30.1	31.6	31.9
3H	29.1	30.6	29.5	31.0	31.3	32.5	34.0	32.9	34.3	34.7
4H	29.8	31.2	30.2	31.6	31.9	34.0	35.5	34.4	35.8	36.2
6H	30.3	31.6	30.7	32.0	32.4	35.7	37.0	36.1	37.4	37.8
8H	30.4	31.7	30.8	32.1	32.5	36.6	37.9	37.0	38.3	38.7
12H	30.5	31.8	30.9	32.2	32.6	37.6	38.9	38.0	39.2	39.7
4H 2H	28.8	30.3	29.2	30.6	31.0	30.4	31.8	30.8	32.1	32.5
3H	30.7	32.0	31.1	32.4	32.8	33.4	34.7	33.8	35.1	35.5
4H	31.6	32.7	32.0	33.1	33.6	35.1	36.3	35.6	36.7	37.1
6H	32.2	33.3	32.7	33.7	34.2	37.0	38.1	37.5	38.5	39.0
8H	32.5	33.5	33.0	33.9	34.4	38.0	39.0	38.5	39.5	40.0
12H	32.6	33.6	33.1	34.0	34.5	39.2	40.1	39.7	40.6	41.1
8H 4H	32.7	33.7	33.2	34.2	34.7	35.5	36.5	36.0	37.0	37.4
6H	33.8	34.7	34.3	35.1	35.7	37.7	38.5	38.2	39.0	39.5
8H	34.3	35.0	34.8	35.5	36.1	38.9	39.7	39.5	40.2	40.8
12H	34.6	35.3	35.2	35.8	36.4	40.4	41.0	40.9	41.6	42.1
12H 4H	33.1	34.0	33.6	34.5	35.0	35.5	36.5	36.0	36.9	37.4
6H	34.4	35.2	34.9	35.7	36.2	37.8	38.6	38.4	39.1	39.6
8H	35.0	35.7	35.6	36.2	36.8	39.2	39.9	39.7	40.4	41.0
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, 697.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.2)
Area: 0.003 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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.AB09.1320.00**)

UTILIZATION FACTORS TABLE

NAME: RODDA COB 7w MICRO 21.AB09.1320.00	**TYPE:IES**	**WEIGHT:**
SPEC.:7W MICRO 3MMX2.5M 24V 3000K IP20, BLT	**DIM.: 1M**	**SERIAL No.:20**
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	31	50	38	31	49	37	30	23
0.80	60	47	39	59	47	39	57	46	38	31
1.00	68	55	47	67	54	46	64	56	46	38
1.25	75	62	54	73	62	54	70	60	53	44
1.50	80	68	60	78	67	59	75	65	58	49
2.00	87	77	68	85	75	68	81	73	66	57
2.50	92	82	74	89	80	73	85	77	71	61
3.00	96	87	79	93	85	78	88	81	76	65
4.00	100	93	86	98	91	85	92	87	82	71
5.00	103	97	91	100	94	89	95	90	86	75
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004				Suspended					SHRNOM = 1.25	

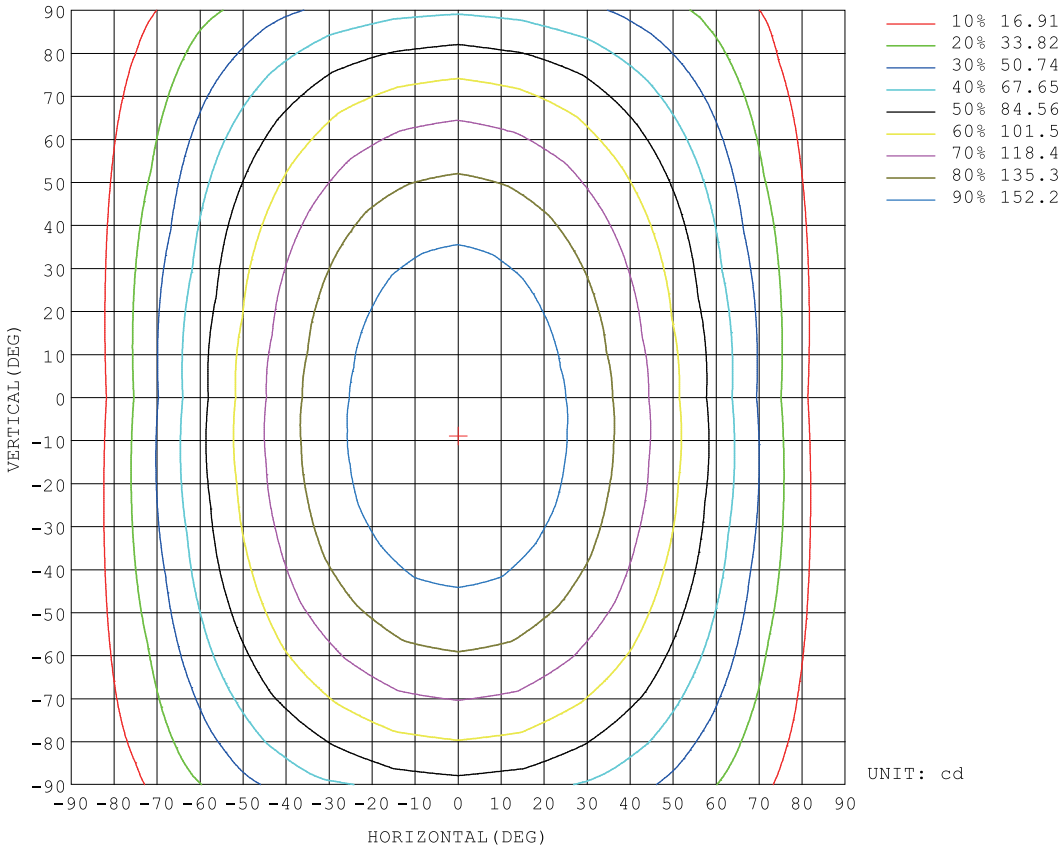
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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.AB09.1320.00**)

ISOCANDELA DIAGRAM

NAME: RODDA COB 7w MICRO 21.AB09.1320.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 3000K IP20, BLT	DIM.: 1M	SERIAL No.:20
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:



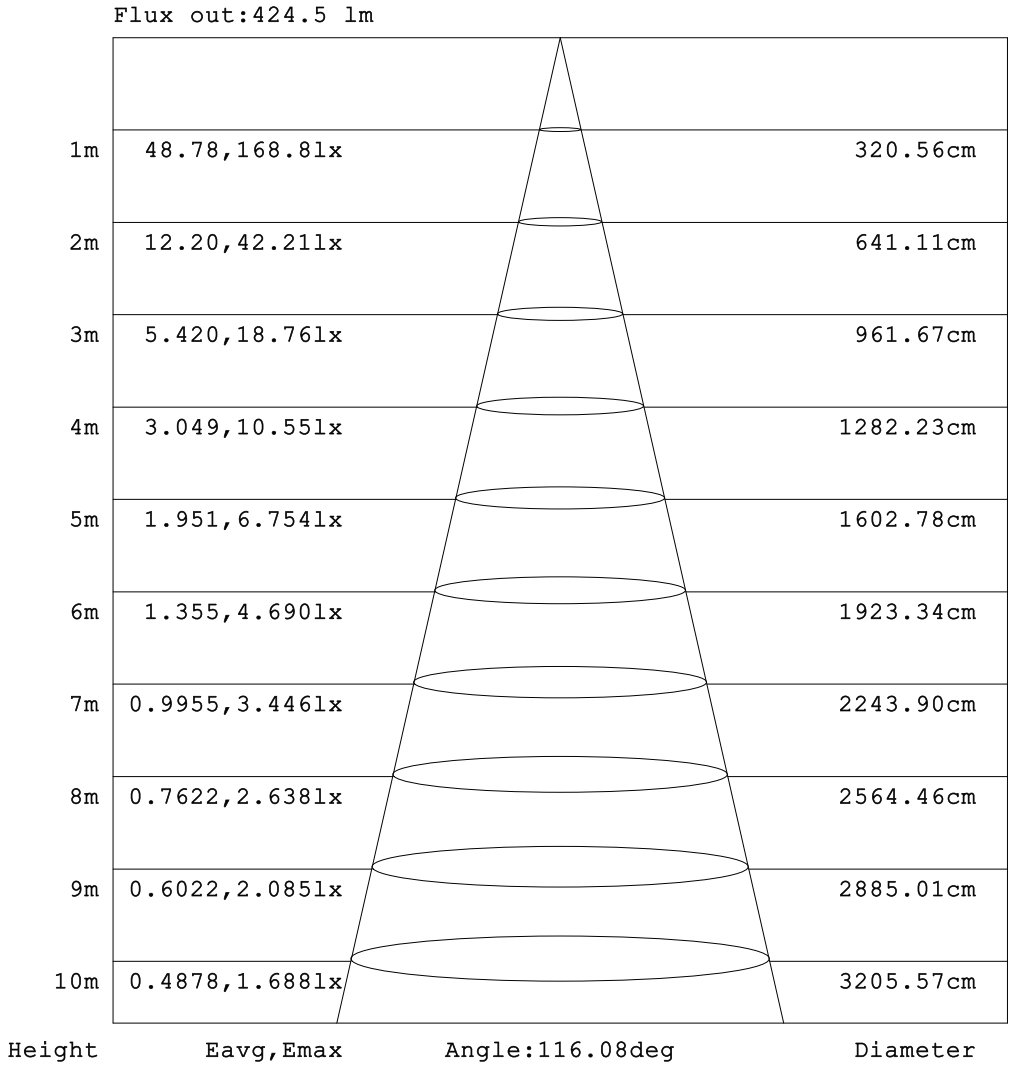
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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.AB09.1320.00**)

AAI Figure

NAME: RODDA COB 7w MICRO 21.AB09.1320.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 3000K IP20, BLT	DIM.: 1M	SERIAL No.:20
MFR.: IDEA ILUMINACIóN S.A.	SUR.:0.003*1	Shielding Angle:



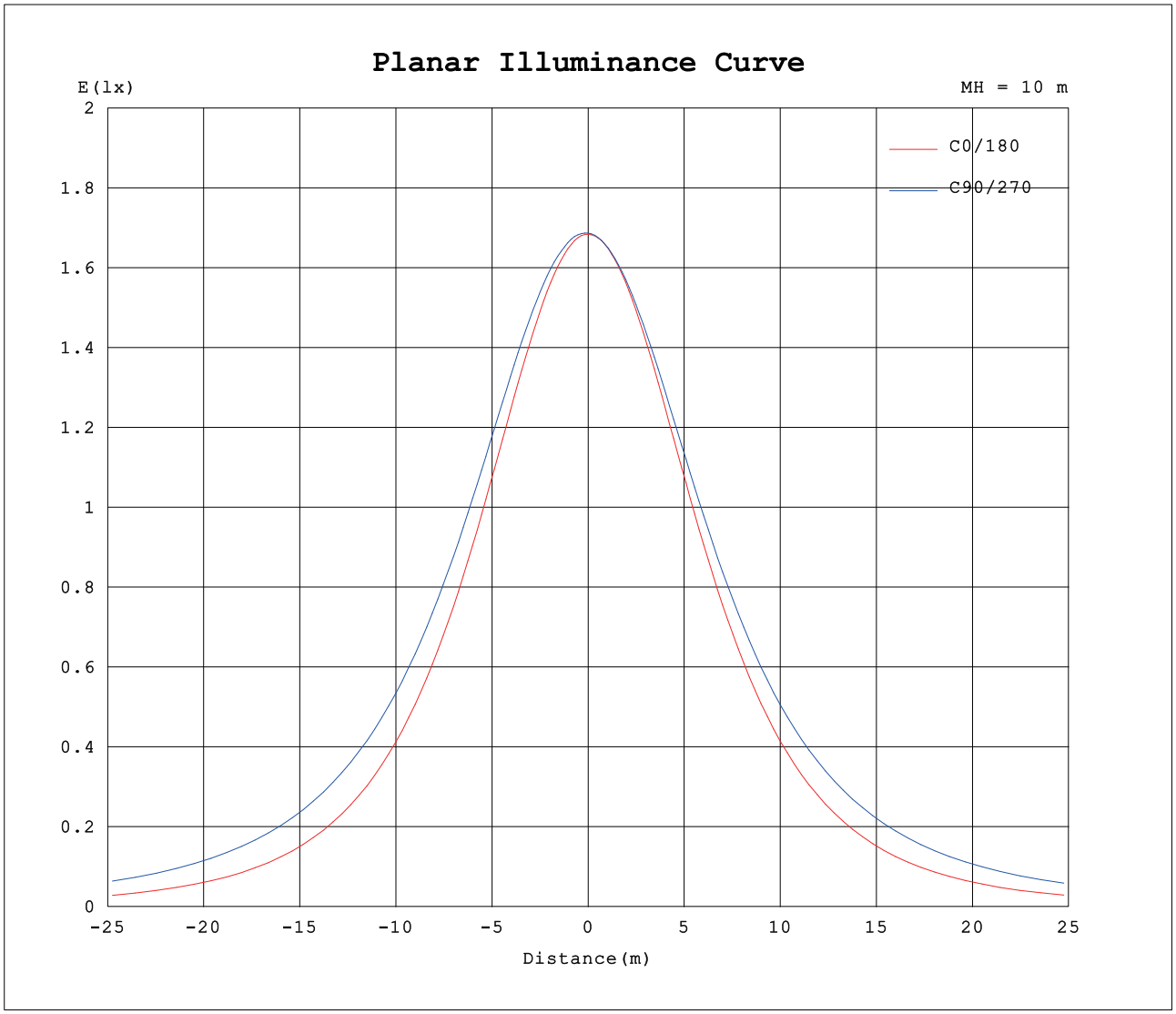
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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.AB09.1320.00**)

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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.AB09.1320.00**)

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: RODDA COB 7w MICRO 21.AB09.1320.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 3000K IP20, BLT	DIM.: 1M	SERIAL No.:20
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	168	168	169	169	169	169	169	169	169	169	168	168	168	168	169	169	169	169	169
5	168	168	168	169	169	169	169	169	169	169	168	168	168	168	168	168	168	168	168
10	166	166	167	168	168	169	169	169	169	168	167	166	166	166	166	166	166	166	167
15	163	163	164	166	167	168	168	168	167	166	165	164	163	162	163	164	164	165	165
20	158	159	161	163	165	167	167	167	165	164	161	160	158	158	159	160	162	162	162
25	152	154	156	160	163	165	165	165	163	160	157	154	153	152	154	156	158	159	160
30	145	147	151	155	159	162	163	162	159	156	151	148	146	146	148	151	154	156	156
35	137	140	144	150	155	159	160	159	155	151	145	140	137	138	141	145	149	152	153
40	127	131	137	144	150	155	156	155	151	145	138	132	128	129	133	139	144	147	148
45	117	121	129	137	145	150	151	150	145	138	129	122	117	119	125	132	138	142	143
50	105	110	120	130	139	145	146	145	139	131	120	111	106	108	115	124	132	136	138
55	92.2	98.6	110	122	132	139	141	139	132	122	110	99.3	93.0	95.6	105	115	124	130	132
60	78.4	86.2	99.4	113	124	132	134	132	125	114	99.9	86.8	79.2	82.9	94.7	106	117	123	125
65	63.8	73.2	88.4	104	116	125	127	125	116	105	89.0	73.9	64.7	69.8	83.7	97.0	108	115	117
70	48.9	60.0	77.2	94.6	108	117	119	117	108	94.8	77.7	60.6	49.7	56.4	72.3	87.2	99.6	107	109
75	34.1	46.9	65.9	84.4	98.2	108	110	108	98.2	84.7	66.4	47.5	35.0	43.4	60.9	76.9	89.6	97.0	99.6
80	20.3	34.5	54.7	73.8	88.2	98.0	101	97.7	88.2	74.2	55.1	34.9	21.2	31.3	49.7	66.1	79.0	86.2	89.0
85	8.65	23.7	44.0	63.2	77.8	88.0	91.0	87.5	77.9	63.7	44.7	24.1	10.2	21.0	39.2	55.1	67.6	74.5	77.6
90	0.68	14.8	34.1	52.0	65.6	75.7	77.1	74.5	63.3	52.0	33.4	14.3	1.96	11.2	28.6	43.3	55.4	61.5	64.2
95	0.39	1.59	11.6	23.6	39.5	50.0	54.4	46.3	31.2	23.1	11.4	1.31	0.40	0.42	2.93	8.76	22.3	26.6	33.7
100	0.35	0.55	1.06	7.92	17.6	25.9	28.9	22.6	10.7	4.15	1.42	0.51	0.37	0.39	0.48	1.52	4.83	7.39	12.3
105	0.34	0.51	0.51	0.98	4.02	7.01	7.30	5.60	1.19	0.69	0.57	0.48	0.37	0.38	0.46	0.62	0.76	0.97	1.16
110	0.34	0.46	0.51	0.89	0.90	1.82	2.08	1.78	0.75	0.57	0.53	0.45	0.38	0.39	0.46	0.57	0.58	0.75	0.72
115	0.36	0.44	0.51	0.80	0.83	0.87	0.92	0.74	0.70	0.56	0.52	0.42	0.40	0.39	0.45	0.54	0.57	0.66	0.62
120	0.39	0.46	0.51	0.72	0.75	0.76	0.84	0.66	0.66	0.56	0.50	0.45	0.43	0.40	0.47	0.52	0.57	0.62	0.62
125	0.41	0.47	0.51	0.65	0.71	0.65	0.75	0.64	0.63	0.56	0.50	0.48	0.46	0.44	0.49	0.52	0.57	0.60	0.62
130	0.45	0.49	0.51	0.64	0.68	0.64	0.70	0.64	0.61	0.56	0.50	0.52	0.49	0.45	0.52	0.53	0.57	0.59	0.62
135	0.47	0.53	0.51	0.62	0.66	0.64	0.69	0.63	0.61	0.56	0.50	0.53	0.52	0.46	0.54	0.53	0.58	0.59	0.62
140	0.48	0.54	0.57	0.62	0.66	0.64	0.67	0.63	0.61	0.59	0.50	0.55	0.55	0.47	0.56	0.54	0.59	0.59	0.62
145	0.48	0.56	0.59	0.62	0.66	0.64	0.66	0.63	0.61	0.60	0.51	0.58	0.56	0.49	0.59	0.54	0.61	0.59	0.62
150	0.49	0.58	0.61	0.62	0.66	0.64	0.66	0.63	0.61	0.62	0.52	0.60	0.58	0.51	0.61	0.60	0.62	0.59	0.62
155	0.52	0.60	0.62	0.62	0.66	0.64	0.66	0.63	0.61	0.62	0.58	0.62	0.61	0.53	0.62	0.61	0.62	0.62	0.62
160	0.54	0.61	0.62	0.62	0.66	0.64	0.66	0.63	0.61	0.62	0.61	0.62	0.61	0.61	0.62	0.61	0.62	0.62	0.62
165	0.61	0.63	0.62	0.62	0.66	0.64	0.66	0.64	0.61	0.62	0.62	0.62	0.61	0.60	0.62	0.61	0.62	0.62	0.62
170	0.61	0.64	0.62	0.62	0.66	0.64	0.66	0.64	0.61	0.62	0.62	0.62	0.61	0.61	0.62	0.61	0.62	0.62	0.62
175	0.62	0.63	0.62	0.62	0.66	0.64	0.66	0.64	0.61	0.62	0.62	0.62	0.61	0.61	0.62	0.61	0.62	0.62	0.62
180	0.62	0.62	0.62	0.62	0.65	0.64	0.66	0.65	0.61	0.62	0.62	0.62	0.61	0.62	0.62	0.61	0.62	0.62	0.62

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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.AB09.1320.00)

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: RODDA COB 7w MICRO 21.AB09.1320.00	TYPE:IES	WEIGHT:
SPEC.:7W MICRO 3MMX2.5M 24V 3000K IP20, BLT	DIM.: 1M	SERIAL No.:20
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	169	169	169	168	168														
5	168	168	168	168	168														
10	166	166	166	166	165														
15	164	164	163	163	162														
20	162	161	160	158	158														
25	159	157	155	153	152														
30	155	153	150	147	145														
35	151	148	144	140	137														
40	147	143	138	132	128														
45	141	137	130	123	118														
50	135	130	122	114	106														
55	129	123	114	104	94.4														
60	122	115	105	93.0	81.6														
65	114	107	95.2	81.9	68.6														
70	106	98.1	85.2	70.5	55.2														
75	96.3	88.2	75.0	59.0	42.2														
80	85.6	77.6	64.2	47.9	30.2														
85	73.8	66.0	53.1	37.5	19.9														
90	60.9	54.5	42.4	28.0	11.6														
95	30.7	23.2	13.3	6.68	0.93														
100	11.2	8.38	2.38	0.75	0.42														
105	0.97	0.73	0.67	0.68	0.42														
110	0.79	0.63	0.63	0.62	0.43														
115	0.70	0.61	0.59	0.56	0.43														
120	0.66	0.61	0.58	0.52	0.43														
125	0.63	0.61	0.57	0.53	0.44														
130	0.62	0.61	0.57	0.56	0.46														
135	0.63	0.62	0.56	0.58	0.47														
140	0.63	0.63	0.56	0.61	0.48														
145	0.63	0.64	0.57	0.62	0.50														
150	0.63	0.64	0.59	0.62	0.52														
155	0.63	0.64	0.59	0.62	0.54														
160	0.63	0.64	0.60	0.62	0.60														
165	0.64	0.64	0.60	0.62	0.61														
170	0.64	0.64	0.61	0.62	0.62														
175	0.64	0.64	0.62	0.62	0.62														
180	0.64	0.64	0.62	0.62	0.62														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2025-01-22

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