

INFORME FOTOMÉTRICO COV008

Inclinación luminaria 0.0 °

Informe Número: COV008

Fecha ensayo: 19/06/2012

Descripción del aparato

Luminaria: COVIMED PESCADOR 16W 12 V/0.65 A)
Lámpara: 1 x 16W LED
Flujo: 1318 lm
Inclinación Luminaria: 0.0 °

Observaciones

Documentación adjunta

- Rendimiento total del aparato.
- % Flujo lumínico hacia el hemisferio superior.
- % Flujo lumínico hacia el hemisferio inferior.
- % Flujo inferior emitido hacia la parte posterior (calzada).
- % Flujo inferior emitido hacia la parte anterior (acera).
- Diagrama polar en los planos C0-180, C90-270 y el plano C de Intesidad máxima.
- Diagrama de curvas isolux unitarias, referidas a 1 m de altura.
- Diagrama de curvas del factor de utilización.
- Diagrama Rectangular.
- Diagrama Isocandela en malla rectangular.
- Matriz de Intensidades según planos C - Gamma.
- Diagrama Isocandela en malla circular.
- Diagrama Isocandela en malla circular.
- Diagrama Cónico
- Diagrama Iluminancias
- Datos Luminaria

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Descripción del ensayo

Ensayo según planos C - gamma

Ángulos de medida			
C inicial:	0.0 °	C final:	345.0 °
Gamma inicial:	0.0 °	Gamma final:	180.0 °

Resultados

· Rendimiento total de la luminaria (%): **100.4 %**

· Emisión hacia el hemisferio Superior (%)

$$\% \text{ FHS} = \frac{\text{Flujo Hemisferio Superior}}{\text{Flujo Luminaria}} \quad \boxed{\text{FHS inst} = 0.3 \% \text{ [FHS} = 0.3 \% \text{]}}$$

· Emisión hacia el hemisferio Inferior (%)

$$\% \text{ FHI} = \frac{\text{Flujo Hemisferio Inferior}}{\text{Flujo Luminaria}} \quad \boxed{\text{FHI inst} = 99.7 \% \text{ [FHI} = 100.2 \% \text{]}}$$

· Emisión hacia la parte anterior (%)

$$\% \text{ FIC} = \frac{\text{Flujo Hemisferio Anterior}}{\text{Flujo Luminaria}} \quad \boxed{\text{FIC inst} = 48.2 \% \text{ [FIC} = 48.4 \% \text{]}}$$

· Emisión hacia la parte posterior (%)

$$\% \text{ FIA} = \frac{\text{Flujo Hemisferio Posterior}}{\text{Flujo Luminaria}} \quad \boxed{\text{FIA inst} = 51.6 \% \text{ [FIA} = 51.8 \% \text{]}}$$

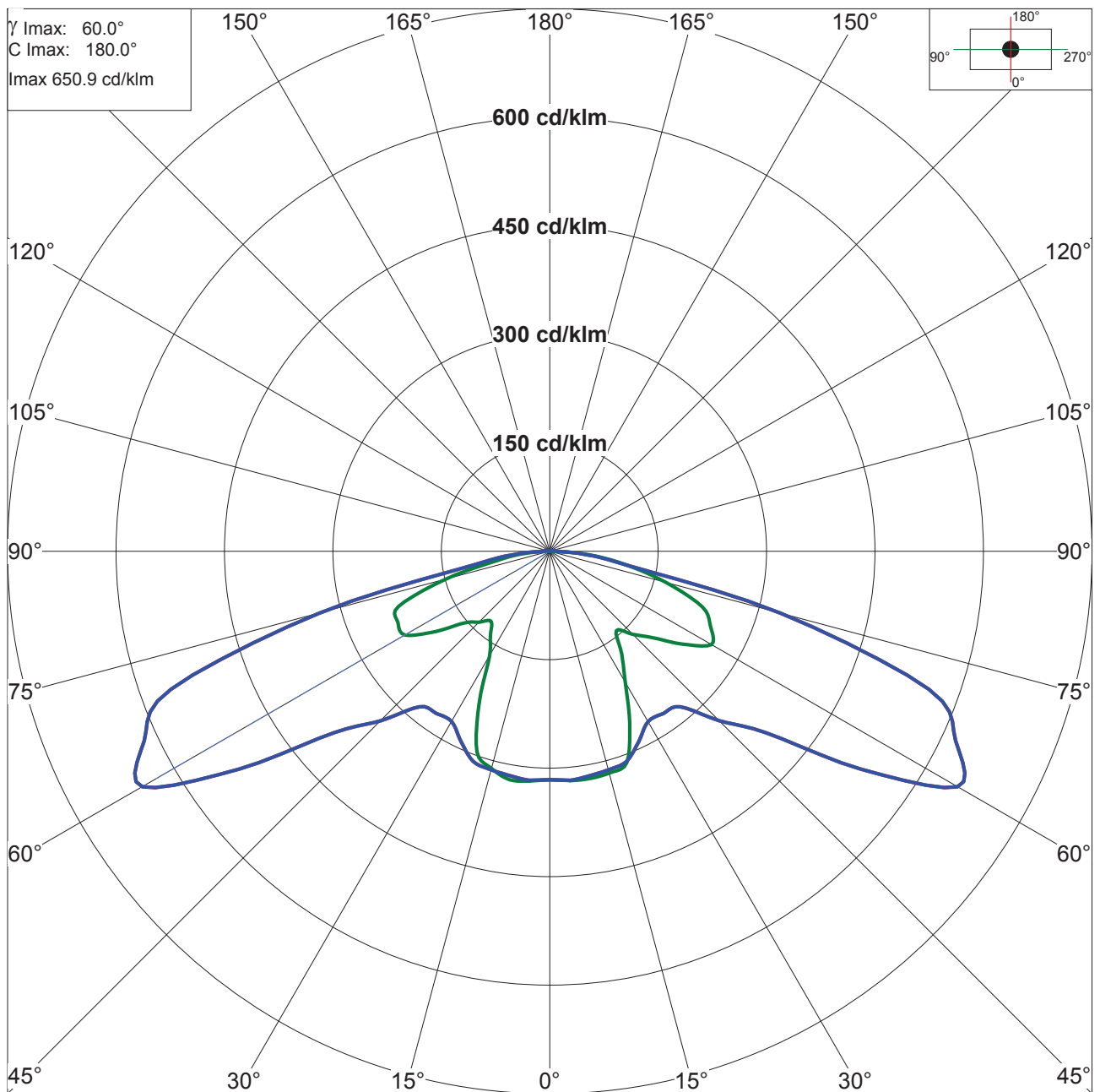
Clasificación IES: Distribución Vertical CORTA Tipo I Control - CUT OFF

Clasificación Proyector: V 5 [85°] / H 5 [77°]

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DIAGRAMA POLAR REFERIDO A 1000 lm

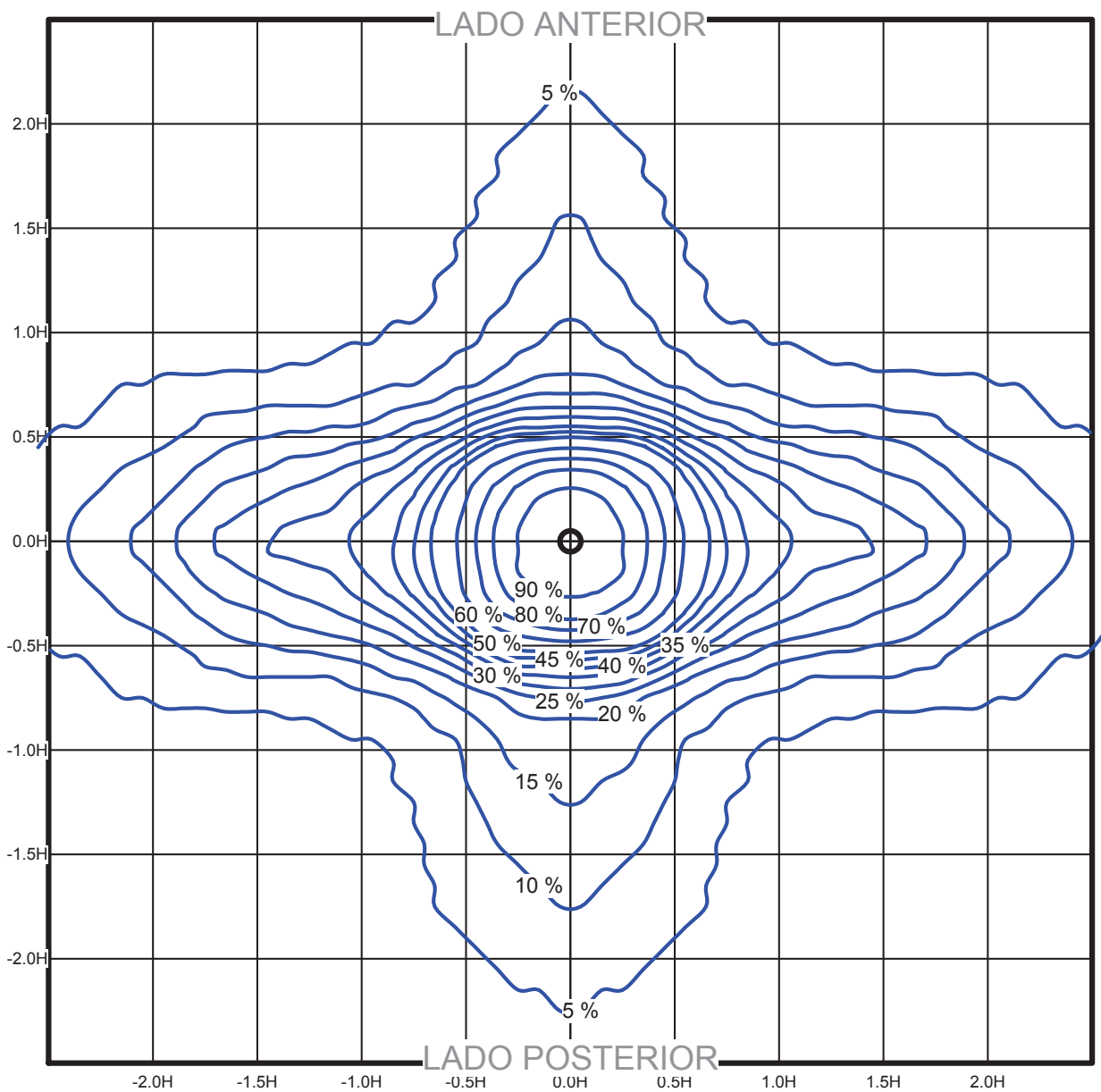


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CURVAS ISOLUX UNITARIAS

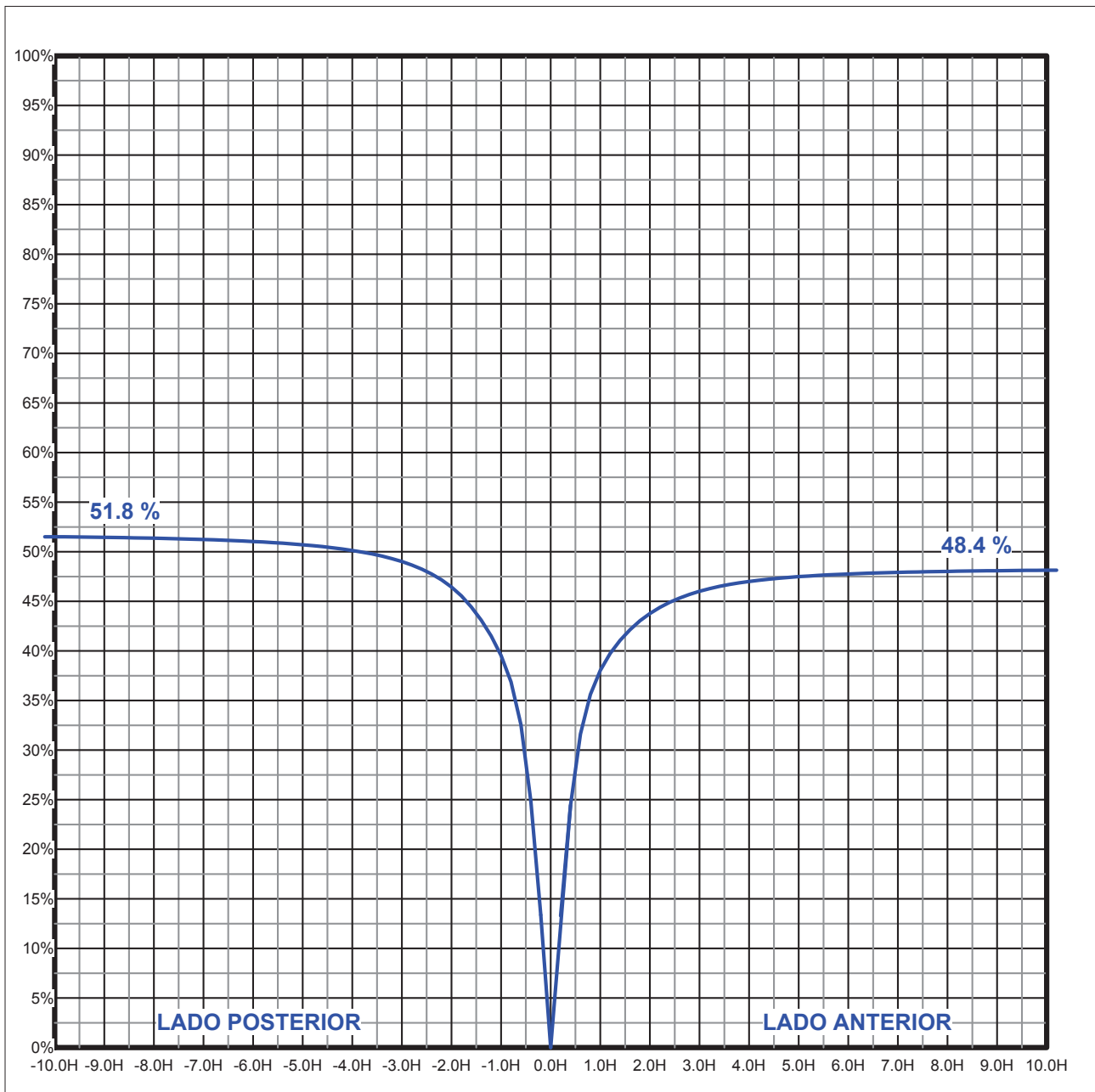
E_{max}: 316.5 lux Altura 1.0 m Flujo 1000 lm



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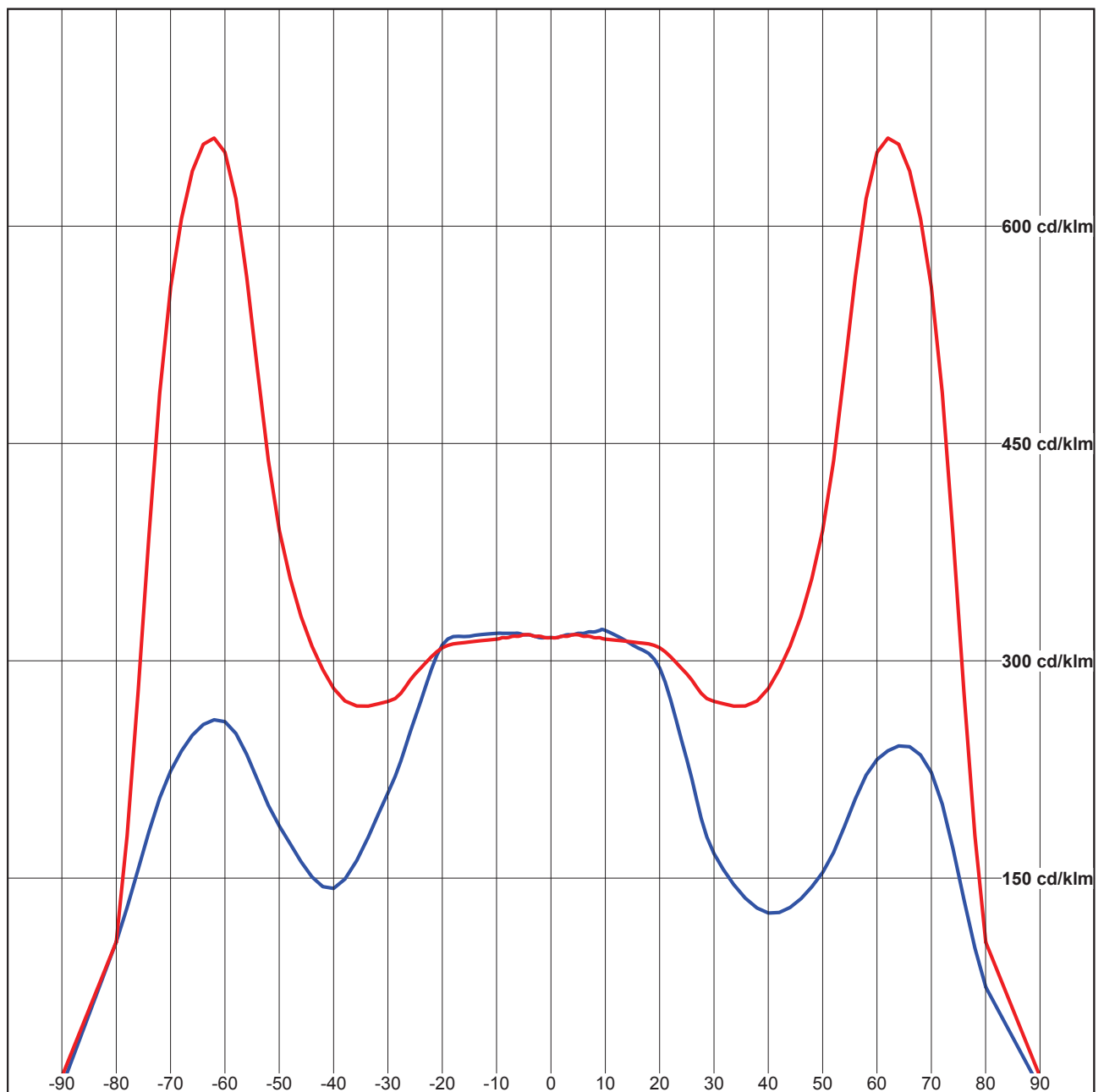
CURVAS DEL FACTOR DE UTILIZACIÓN



INFORME FOTOMÉTRICO COV008

Inclinación luminaria 0.0 °

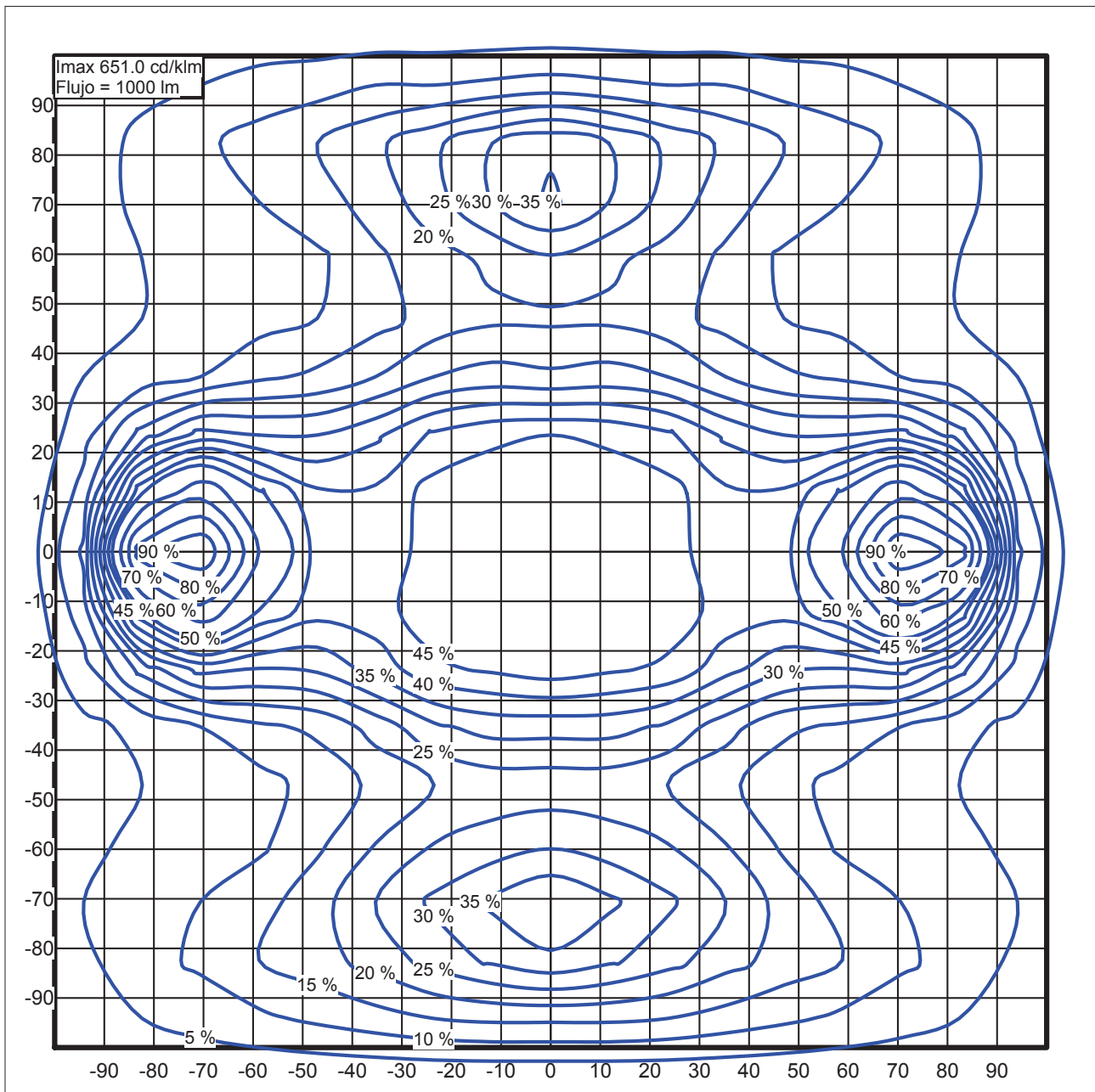
DIAGRAMA RECTANGULAR REFERIDO A 1000 lm



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D. ISOCANDELA EN MALLA RECTANGULAR REFERIDO A 1000 lm

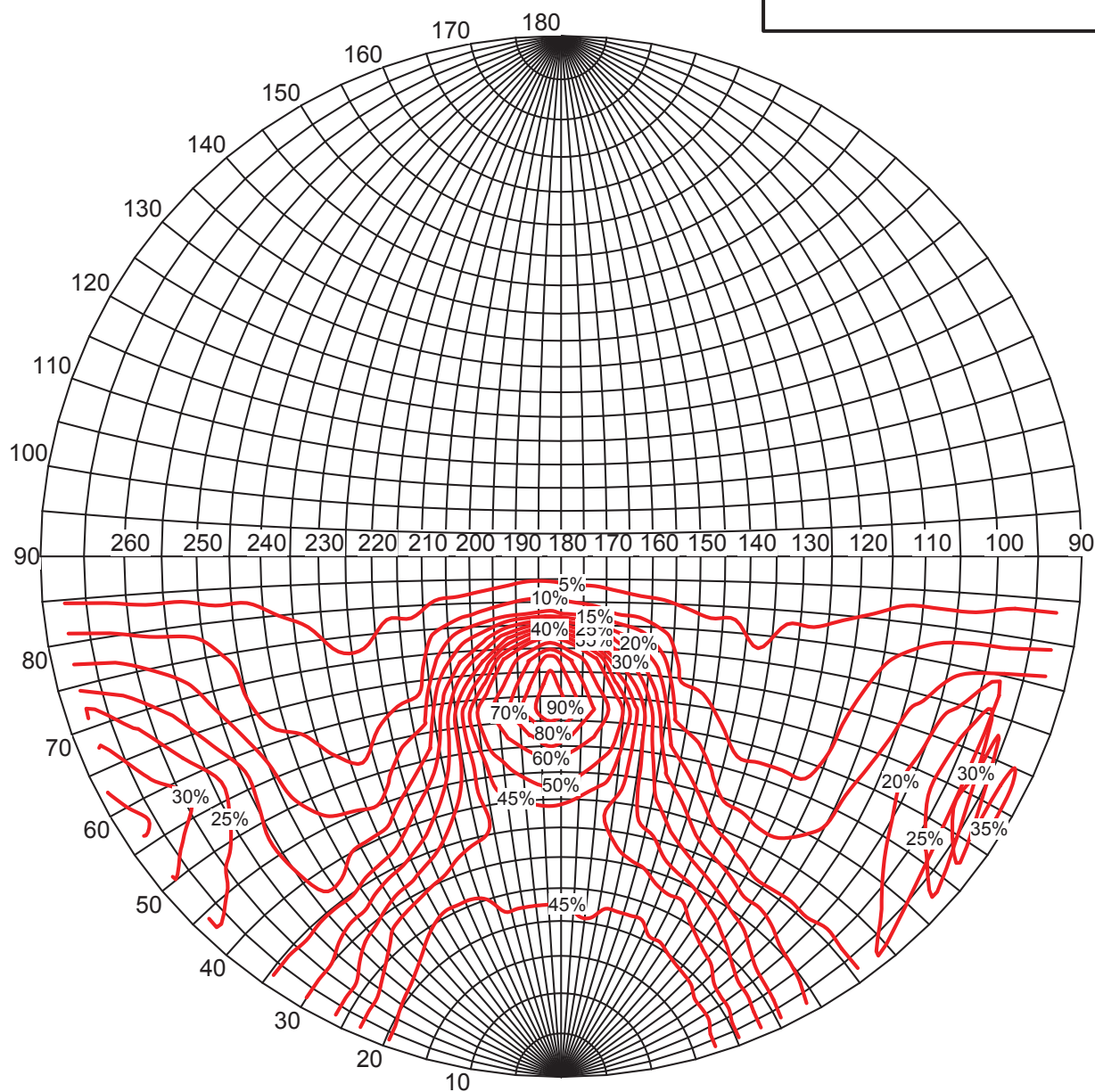


INFORME FOTOMÉTRICO COV008

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DIAGRAMA ISOCANDELA EN MALLA CIRCULAR REFERIDO A 1000 lm

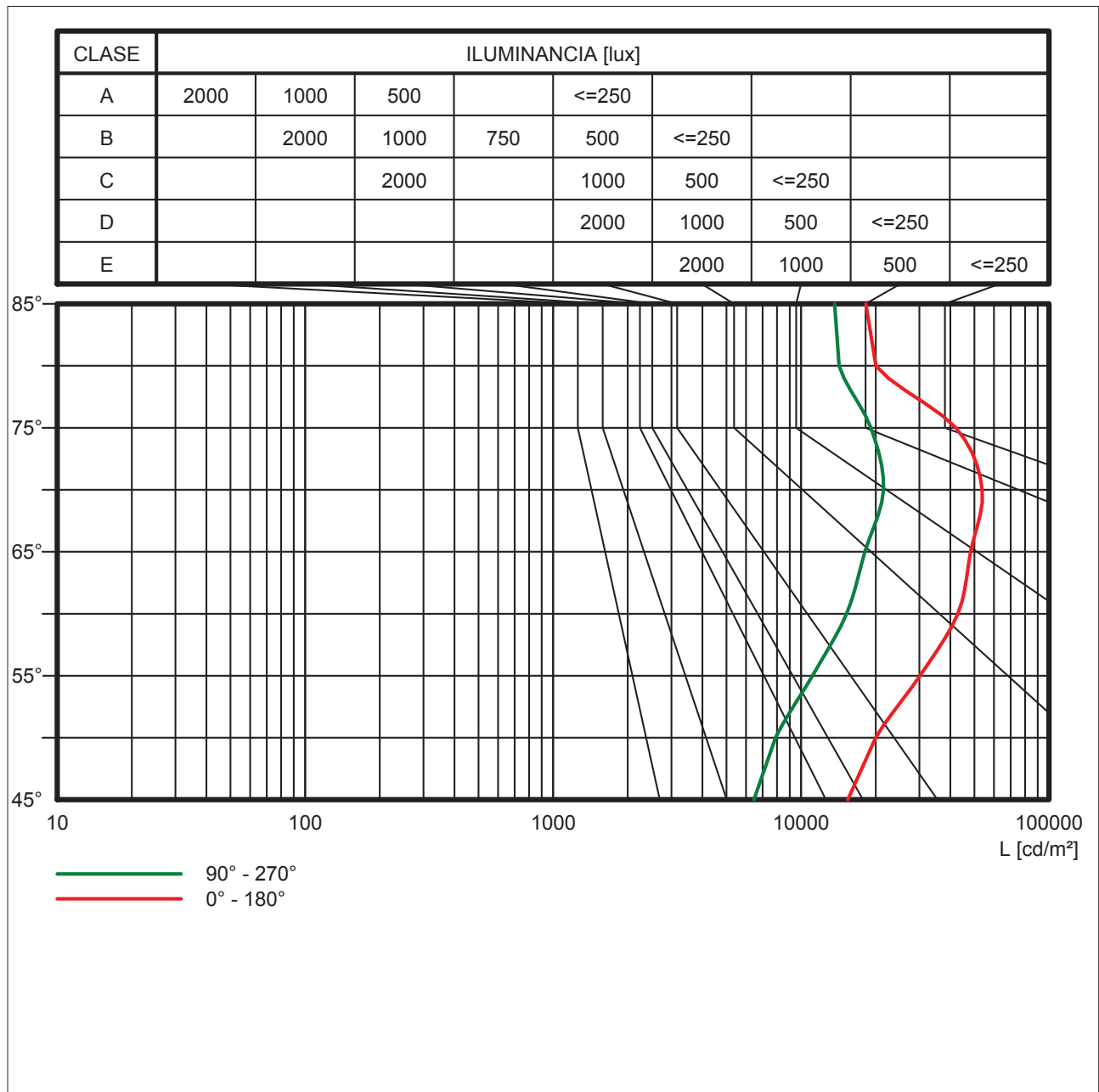
Alcance	62.6° - Intermedio
Dispersión	9.5° - Estrecha



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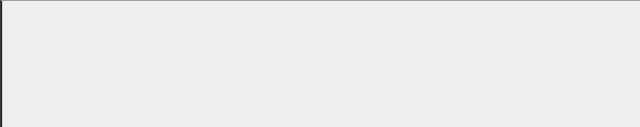
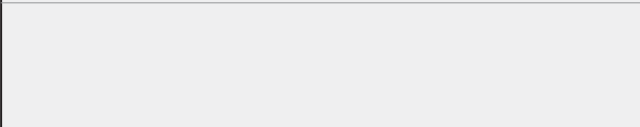
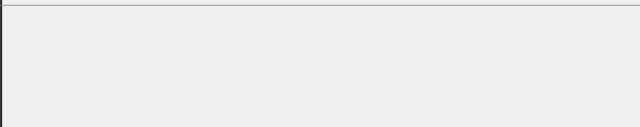
DIAGRAMA DE SÖLLNER



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DIAGRAMA CÓNICO

alpha = 150.2°	H (m)	D (m)	E_{max}	E_{med}
	1	7.52	417	28
	2	15.05	104	7
	3	22.57	46	3
	4	30.10	26	2

UTE: 1.00G + 0.00T

CIE: 40 69 93 100 100



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MATRIZ DE INTENSIDADES REFERIDA A 1000 lm [C - Gamma] - (I)

	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0	270.0	285.0
0.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0	316.0
5.0	317.8	316.5	315.8	316.5	319.2	319.0	318.8	319.0	319.2	316.5	315.8	316.5	317.8	319.5	320.2	318.3	316.2	317.1	318.3	317.1
10.0	315.1	313.2	313.2	314.9	321.3	318.1	320.6	318.1	321.3	314.9	313.2	313.2	315.1	319.5	322.2	320.1	315.2	316.8	319.0	316.8
15.0	312.7	311.3	312.4	312.3	316.4	308.5	311.0	308.5	316.4	312.3	312.4	311.3	312.7	311.5	320.9	320.8	316.8	317.4	317.5	317.4
20.0	309.4	309.1	310.6	308.4	308.5	298.3	295.0	298.3	308.5	308.4	310.6	309.1	309.4	303.3	318.3	319.2	316.6	316.4	311.0	316.4
25.0	290.7	288.8	293.4	284.6	267.6	241.2	231.8	241.2	267.6	284.6	293.4	288.8	290.7	290.8	304.0	302.7	287.4	268.5	261.3	268.5
30.0	271.9	268.7	274.4	257.8	223.0	183.0	167.3	183.0	223.0	257.8	274.4	268.7	271.9	278.5	287.4	282.9	254.3	218.0	208.8	218.0
35.0	273.8	264.0	245.0	202.9	165.5	150.0	143.9	150.0	165.5	202.9	245.0	264.0	273.8	274.9	257.9	223.2	192.4	177.7	173.5	177.7
40.0	280.6	261.4	213.7	147.8	109.7	119.0	126.5	119.0	109.7	147.8	213.7	261.4	280.6	272.9	226.6	162.7	130.9	138.4	143.2	138.4
45.0	331.0	285.4	183.7	112.0	94.5	118.5	138.5	118.5	94.5	112.0	183.7	285.4	331.0	331.3	290.4	194.1	118.6	114.7	147.9	162.4
50.0	390.1	311.6	153.0	78.7	81.3	118.6	153.9	118.6	81.3	78.7	153.0	311.6	390.1	309.9	161.0	77.6	100.6	158.8	185.9	158.8
55.0	524.9	343.6	121.1	64.4	68.1	119.9	193.6	119.9	68.1	64.4	121.1	343.6	524.9	345.1	125.2	63.1	89.4	176.6	223.5	176.6
60.0	650.9	368.2	89.8	51.1	55.3	120.6	231.6	120.6	55.3	51.1	89.8	368.2	650.9	372.6	89.9	50.1	78.3	191.1	258.0	191.1
65.0	619.2	306.6	70.4	45.1	51.2	112.8	232.1	112.8	51.2	45.0	70.4	306.6	619.2	307.9	67.1	44.9	64.4	165.9	245.0	165.9
70.0	557.9	236.0	52.6	39.4	47.4	103.6	223.2	103.6	47.4	39.4	52.6	236.0	557.9	234.7	46.2	40.0	51.4	137.7	224.5	137.7
75.0	330.7	148.2	45.6	32.4	43.6	86.2	150.3	86.2	43.6	32.4	45.6	148.2	330.7	152.3	39.4	32.8	50.4	109.7	166.8	109.7
80.0	105.6	64.4	38.6	25.4	38.7	66.7	75.0	66.7	38.7	25.4	38.6	64.4	105.6	73.7	33.0	25.5	48.7	80.7	106.3	80.7
85.0	48.3	30.0	20.4	13.4	20.6	34.6	36.1	34.6	20.6	13.4	20.4	30.0	48.3	35.1	17.5	13.5	29.8	41.5	53.4	41.5
90.0	13.0	3.9	2.6	2.0	2.7	4.3	4.6	4.3	2.7	2.0	2.6	3.9	13.0	4.4	2.4	2.3	10.8	5.3	6.4	5.3
95.0	7.6	0.7	0.5	0.3	0.3	0.5	0.1	0.5	0.3	0.3	0.5	0.7	7.6	0.7	0.6	1.2	5.2	1.1	0.6	1.1
100.0	6.1	0.7	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.7	6.1	0.7	0.4	0.7	1.1	0.7	0.5	0.7
105.0	3.7	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.6	3.7	0.6	0.4	0.2	0.2	0.3	0.1	0.3
110.0	0.9	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.9	0.4	0.2	0.0	0.0	0.0	0.0	0.0
115.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATRIZ DE INTENSIDADES REFERIDA A 1000 lm [C - Gamma] - (II)

	300.0	315.0	330.0	345.0
0.0	316.0	316.0	316.0	316.0
5.0	316.2	318.3	320.2	319.5
10.0	315.2	320.1	322.2	319.5
15.0	316.8	320.8	320.9	311.5
20.0	316.6	319.2	318.3	303.3
25.0	287.4	302.7	304.0	290.8
30.0	254.3	282.9	287.4	278.5
35.0	192.4	223.2	257.9	274.9
40.0	130.9	162.7	226.6	272.9
45.0	114.7	118.6	194.1	290.4
50.0	100.6	77.6	161.0	309.9
55.0	89.4	63.1	125.2	345.1
60.0	78.3	50.1	89.9	372.6
65.0	64.4	44.9	67.1	307.9
70.0	51.4	40.0	46.2	234.7
75.0	50.4	32.8	39.4	152.3
80.0	48.7	25.5	33.0	73.7
85.0	29.8	13.5	17.5	35.1
90.0	10.8	2.3	2.4	4.4
95.0	5.2	1.2	0.6	0.7
100.0	1.1	1.1	0.6	0.7
105.0	0.2	0.4	0.6	0.6
110.0	0.0	0.0	0.2	0.4
115.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0
130.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0
140.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0
160.0	0.0	0.0	0.0	0.0
165.0	0.0	0.0	0.0	0.0
170.0	0.0	0.0	0.0	0.0
175.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0