

CANCHA TIPICA DE FUTBOL

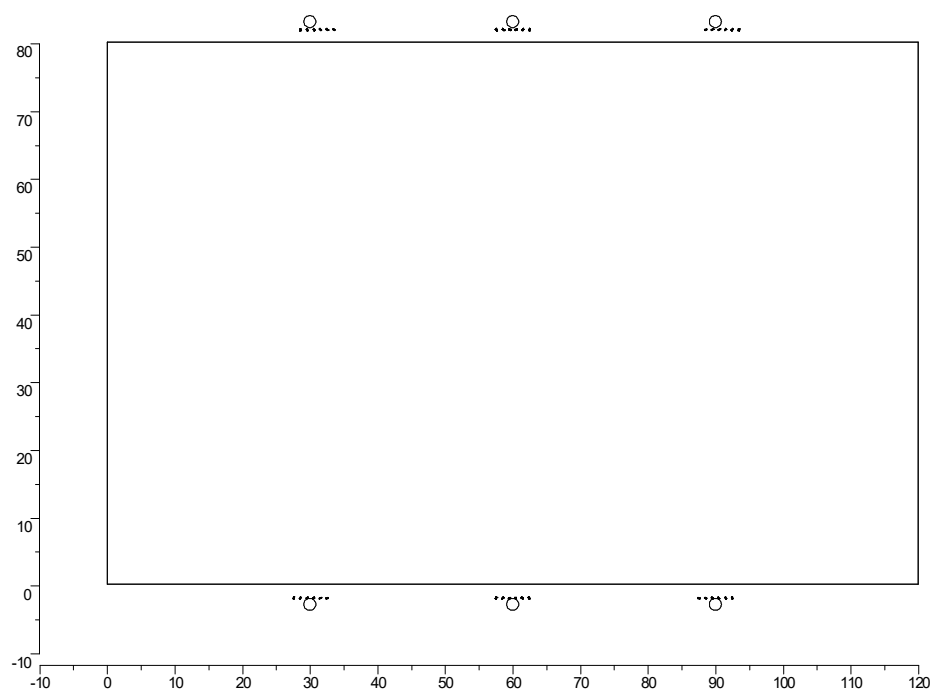
Notas Instalación:

Cliente:

Código Proyecto:

Fecha 12/07/2024

Notas



Diseñador de Iluminación: CELSA S.A.S
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Advertencias:

CELSA S.A.S limita su responsabilidad en la entrega de un diseño de iluminación que obedece a los requerimientos, especificaciones y planos proporcionados por el cliente y se garantiza en él, el cumplimiento del Reglamento Técnico de iluminación y Alumbrado Público RETILAP y normas complementarias que le apliquen. Por lo tanto, los valores presentados en este informe obedecen a resultados luminotécnicos exactos, los cuales pueden verse afectados por el uso de otro tipo de luminarias a la especificada en el diseño o la modificación de la posición de las mismas, como también a la alteración en los acabados de las superficies del local o sitio a iluminar.

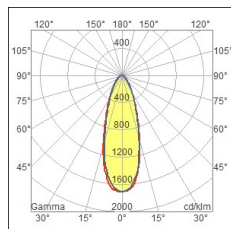
1. Resumen de Datos de Proyecto y Resultados

1.1 Información Área

Superficie	Color RGB	Coefficiente Reflexión	Illum.Medida [lx]	Mínimo [lx]	Máximo [lx]	Mín/Medio	Mín/Máx	Medio/Máx
Suelo	222 142 102	20%	151	106.2	246	0.70	0.43	0.61

1.2 Información Luminarias/Ensayos

Ref.	Fabricante Nombre de la Luminaria (Nombre del Ensayo)	Código Luminaria (Código Ensayo)	Flujo [lm]	Factor Cons.	Dimmer	Color RGB	Luminarias nr.	Ref.Fuente	Fuentes de luz nr.
A	CELSA S.A.S SIRIOLED 450W _ 5000k (SIRIOLED 450W _ 5000k)	LED. (20200316-04)	67500.00	0.87	100 %	255,255,255	48	Fuente-A	1

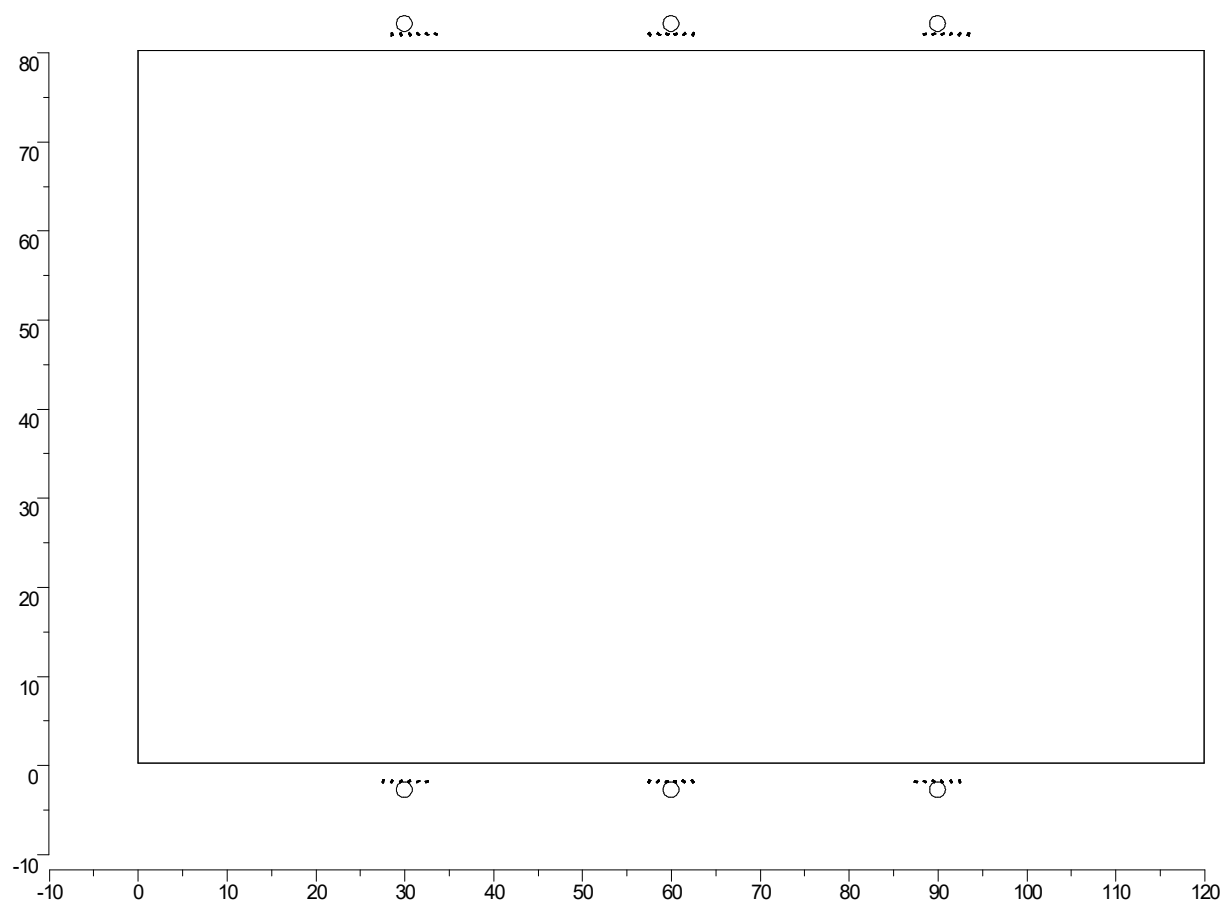


1.3 Datos de las Fuentes de Luz

Ref.Fuente	Fabricante	Nombre	Código	Potencia [W]	Corriente [A]	Flujo [lm]	Color [K]	nr.
Fuente-A		LED	LED	450.00	0.0000	67500	0	48

2. Vistas

2.1 Vista 2D en Planta



3. Datos de las Luminarias

3.1 Tabla Resumen de las Luminarias

Ref.	Dimmer	Posición Luminarias x[m] y[m] z[m]	Rotación Luminarias rx[°] ry[°] rz[°]	Código Luminaria	Código Fuente de luz
A-1	100 %	27.52 -1.75 14.00	63.5 0.0 78.3	LED.	LED
A-2	100 %	28.52 -1.75 14.00	68.0 0.0 54.4	LED.	LED
A-3	100 %	29.52 -1.75 14.00	73.8 0.0 37.5	LED.	LED
A-4	100 %	30.46 -1.75 14.00	74.9 -0.0 32.4	LED.	LED
A-5	100 %	31.46 -1.75 14.00	74.1 -0.0 27.6	LED.	LED
A-6	100 %	32.46 -1.75 14.00	73.4 0.0 18.7	LED.	LED
A-7	100 %	57.45 -1.75 15.00	67.5 0.0 57.8	LED.	LED
A-8	100 %	58.45 -1.75 15.00	75.8 -0.0 40.2	LED.	LED
A-9	100 %	59.45 -1.75 15.00	72.8 0.0 19.2	LED.	LED
A-10	100 %	60.39 -1.75 15.00	71.6 0.0 -7.9	LED.	LED
A-11	100 %	61.39 -1.75 15.00	74.9 0.0 -36.1	LED.	LED
A-12	100 %	62.39 -1.75 15.00	70.2 0.0 -53.3	LED.	LED
A-13	100 %	87.52 -1.75 14.00	71.4 0.0 -20.4	LED.	LED
A-14	100 %	88.52 -1.75 14.00	72.6 -0.0 -27.2	LED.	LED
A-15	100 %	89.52 -1.75 14.00	73.7 -0.0 -34.7	LED.	LED
A-16	100 %	91.46 -1.75 14.00	67.5 -0.0 -55.7	LED.	LED
A-17	100 %	92.46 -1.75 14.00	63.7 -0.0 -73.2	LED.	LED
A-18	100 %	90.46 -1.75 14.00	71.6 -0.0 -44.3	LED.	LED
A-19	100 %	28.52 82.07 14.00	63.6 0.0 100.6	LED.	LED
A-20	100 %	29.52 82.07 14.00	66.9 0.0 118.3	LED.	LED
A-21	100 %	30.52 82.07 14.00	70.2 -0.0 129.0	LED.	LED
A-22	100 %	31.46 82.07 14.00	73.6 -0.0 139.9	LED.	LED
A-23	100 %	32.46 82.07 14.00	73.9 0.0 144.9	LED.	LED
A-24	100 %	33.46 82.07 14.00	72.6 -0.0 152.1	LED.	LED
A-25	100 %	88.52 82.07 14.00	73.7 -0.0 -158.6	LED.	LED
A-26	100 %	89.52 82.07 14.00	74.6 0.0 -150.8	LED.	LED
A-27	100 %	90.52 82.07 14.00	74.5 0.0 -146.3	LED.	LED
A-28	100 %	92.46 82.07 14.00	68.3 -0.0 -128.3	LED.	LED
A-29	100 %	93.46 82.07 14.00	63.7 -0.0 -108.8	LED.	LED
A-30	100 %	91.46 82.07 14.00	72.9 0.0 -141.5	LED.	LED
A-31	100 %	57.53 82.07 15.00	70.3 -0.0 126.5	LED.	LED
A-32	100 %	58.53 82.07 15.00	74.7 0.0 140.2	LED.	LED
A-33	100 %	59.53 82.07 15.00	71.3 -0.0 165.5	LED.	LED
A-34	100 %	60.47 82.07 15.00	72.2 0.0 -159.7	LED.	LED
A-35	100 %	61.47 82.07 15.00	74.6 0.0 -141.0	LED.	LED
A-36	100 %	62.47 82.07 15.00	69.3 0.0 -123.1	LED.	LED
A-37	100 %	57.53 82.07 14.00	71.4 0.0 126.5	LED.	LED
A-38	100 %	58.53 82.07 14.00	73.9 -0.0 140.3	LED.	LED
A-39	100 %	59.53 82.07 14.00	71.8 -0.0 165.4	LED.	LED
A-40	100 %	60.47 82.07 14.00	72.4 0.0 -159.7	LED.	LED
A-41	100 %	61.47 82.07 14.00	74.6 0.0 -141.0	LED.	LED
A-42	100 %	62.47 82.07 14.00	70.7 -0.0 -123.3	LED.	LED
A-43	100 %	57.46 -1.75 14.00	69.1 0.0 57.8	LED.	LED
A-44	100 %	58.46 -1.75 14.00	76.3 0.0 40.2	LED.	LED
A-45	100 %	59.46 -1.75 14.00	73.5 0.0 19.3	LED.	LED
A-46	100 %	60.39 -1.75 14.00	72.3 -0.0 -7.8	LED.	LED
A-47	100 %	61.39 -1.75 14.00	75.3 0.0 -36.1	LED.	LED
A-48	100 %	62.39 -1.75 14.00	67.7 -0.0 -53.2	LED.	LED

3.2 Tabla Resumen de los Enfoques

Torre	Ref.	Código Luminaria	Dimmer	Posición Luminarias x[m] y[m] z[m]	Rotación Luminarias rx[°] ry[°] rz[°]	Enfoques x[m] y[m] z[m]	R.Eje [°]
	A-1	LED.	100 %	27.52 -1.75 14.00	63.5 0.0 78.3	-0.01 3.94 0.00	-0.0
	A-2	LED.	100 %	28.52 -1.75 14.00	68.0 0.0 54.4	0.31 18.48 0.00	-0.0
	A-3	LED.	100 %	29.52 -1.75 14.00	73.8 0.0 37.5	0.18 36.51 0.00	-0.0
	A-4	LED.	100 %	30.46 -1.75 14.00	74.9 -0.0 32.4	2.60 42.07 0.00	0.0
	A-5	LED.	100 %	31.46 -1.75 14.00	74.1 -0.0 27.6	8.59 41.93 -0.00	0.0
	A-6	LED.	100 %	32.46 -1.75 14.00	73.4 0.0 18.7	17.38 42.70 0.00	-0.0
	A-7	LED.	100 %	57.45 -1.75 14.00	67.5 0.0 57.8	26.84 17.52 0.00	-0.0
	A-8	LED.	100 %	58.45 -1.75 14.00	75.8 -0.0 40.2	20.28 43.49 0.00	0.0
	A-9	LED.	100 %	59.45 -1.75 14.00	72.8 0.0 19.2	43.49 44.11 -0.00	-0.0
	A-10	LED.	100 %	60.39 -1.75 14.00	71.6 0.0 -7.9	66.61 43.00 0.00	-0.0
	A-11	LED.	100 %	61.39 -1.75 14.00	74.9 0.0 -36.1	94.09 43.10 0.00	-0.0
	A-12	LED.	100 %	62.39 -1.75 14.00	70.2 0.0 -53.3	95.83 23.20 0.00	-0.0
	A-13	LED.	100 %	87.52 -1.75 14.00	71.4 0.0 -20.4	102.08 37.33 0.00	-0.0
	A-14	LED.	100 %	88.52 -1.75 14.00	72.6 -0.0 -27.2	108.98 38.01 -0.00	0.0
	A-15	LED.	100 %	89.52 -1.75 14.00	73.7 -0.0 -34.7	116.77 37.67 -0.00	0.0
	A-16	LED.	100 %	91.46 -1.75 14.00	67.5 -0.0 -55.7	119.37 17.29 -0.00	0.0
	A-17	LED.	100 %	92.46 -1.75 14.00	63.7 -0.0 -73.2	119.62 6.47 -0.00	0.0
	A-18	LED.	100 %	90.46 -1.75 14.00	71.6 -0.0 -44.3	119.76 28.29 0.00	0.0
	A-19	LED.	100 %	28.52 82.07 14.00	63.6 0.0 100.6	0.77 76.89 -0.00	-0.0
	A-20	LED.	100 %	29.52 82.07 14.00	66.9 0.0 118.3	0.59 66.53 0.00	-0.0
	A-21	LED.	100 %	30.52 82.07 14.00	70.2 -0.0 129.0	0.24 57.58 -0.00	0.0
	A-22	LED.	100 %	31.46 82.07 14.00	73.6 -0.0 139.9	0.75 45.56 0.00	0.0
	A-23	LED.	100 %	32.46 82.07 14.00	73.9 0.0 144.9	4.59 42.36 0.00	-0.0
	A-24	LED.	100 %	33.46 82.07 14.00	72.6 -0.0 152.1	12.62 42.69 -0.00	0.0
	A-25	LED.	100 %	88.52 82.07 14.00	73.7 -0.0 -158.6	105.90 37.61 0.00	0.0
	A-26	LED.	100 %	89.52 82.07 14.00	74.6 0.0 -150.8	114.36 37.55 -0.00	-0.0
	A-27	LED.	100 %	90.52 82.07 14.00	74.5 0.0 -146.3	118.43 40.17 0.00	-0.0
	A-28	LED.	100 %	92.46 82.07 14.00	68.3 -0.0 -128.3	120.09 60.23 0.00	0.0
	A-29	LED.	100 %	93.46 82.07 14.00	63.7 -0.0 -108.8	120.21 72.95 -0.00	0.0
	A-30	LED.	100 %	91.46 82.07 14.00	72.9 0.0 -141.5	119.72 46.51 0.00	-0.0
	A-31	LED.	100 %	57.53 82.07 14.00	70.3 -0.0 126.5	23.79 57.15 -0.00	0.0
	A-32	LED.	100 %	58.53 82.07 14.00	74.7 0.0 140.2	23.55 40.04 -0.00	-0.0
	A-33	LED.	100 %	59.53 82.07 14.00	71.3 -0.0 165.5	48.38 39.10 -0.00	0.0
	A-34	LED.	100 %	60.47 82.07 14.00	72.2 0.0 -159.7	76.63 38.27 -0.00	-0.0
	A-35	LED.	100 %	61.47 82.07 14.00	74.6 0.0 -141.0	95.65 39.83 0.00	-0.0
	A-36	LED.	100 %	62.47 82.07 14.00	69.3 0.0 -123.1	95.70 60.40 -0.00	-0.0
	A-37	LED.	100 %	57.53 82.07 13.00	71.4 0.0 126.5	24.12 57.39 0.00	-0.0
	A-38	LED.	100 %	58.53 82.07 13.00	73.9 -0.0 140.3	27.59 44.74 0.00	0.0
	A-39	LED.	100 %	59.53 82.07 13.00	71.8 -0.0 165.4	48.78 40.74 0.00	0.0
	A-40	LED.	100 %	60.47 82.07 13.00	72.4 0.0 -159.7	75.77 40.75 -0.00	-0.0
	A-41	LED.	100 %	61.47 82.07 13.00	74.6 0.0 -141.0	93.40 42.63 0.00	-0.0
	A-42	LED.	100 %	62.47 82.07 13.00	70.7 -0.0 -123.3	95.94 60.07 0.00	0.0
	A-43	LED.	100 %	57.46 -1.75 13.00	69.1 0.0 57.8	26.51 17.74 -0.00	-0.0
	A-44	LED.	100 %	58.46 -1.75 13.00	76.3 0.0 40.2	21.53 41.96 0.00	-0.0
	A-45	LED.	100 %	59.46 -1.75 13.00	73.5 0.0 19.3	43.90 42.77 -0.00	-0.0
	A-46	LED.	100 %	60.39 -1.75 13.00	72.3 -0.0 -7.8	66.38 41.74 0.00	0.0
	A-47	LED.	100 %	61.39 -1.75 13.00	75.3 0.0 -36.1	92.93 41.47 -0.00	-0.0
	A-48	LED.	100 %	62.39 -1.75 13.00	67.7 -0.0 -53.2	89.74 18.72 0.00	0.0

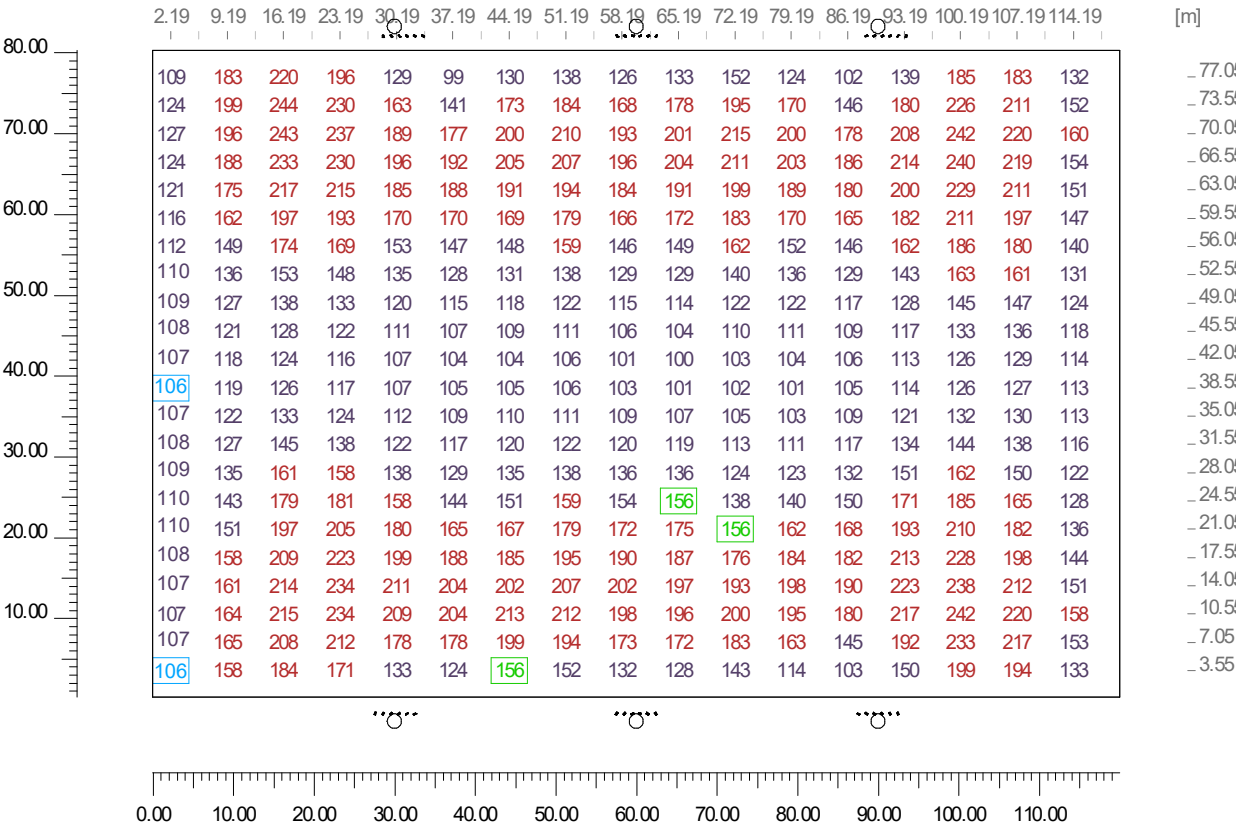
4. Tablas de los Resultados

4.1 Valores Iluminancia Horizontal sobre: Suelo

Resultados	Medio	Mínimo	Máximo	Mín/Medio	Mín/Máx	Medio/Máx
Iluminancia Horizontal	151 lx	106 lx	246 lx	0.70	0.43	0.61

Tipo Cálculo

Dir.+Indir. (Precisión:0)

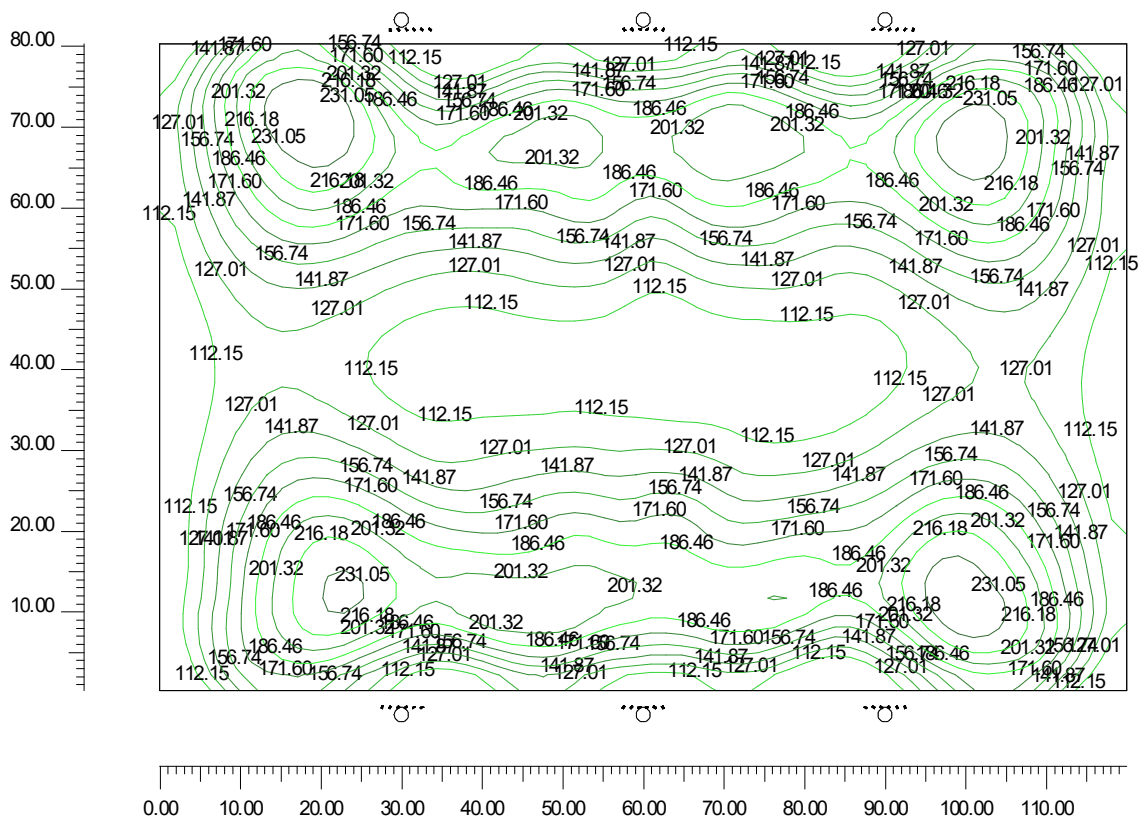


4.2 Curvas Iso Iluminancia Horizontal sobre: Suelo

Resultados	Medio	Mínimo	Máximo	Mín/Medio	Mín/Máx	Medio/Máx
Iluminancia Horizontal	151 lx	106 lx	246 lx	0.70	0.43	0.61

Tipo Cálculo

Dir.+Indir. (Precisión:0)



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