

Hockey G7.0.0 500lx 150820c

Hockey Field

Field dimensions: 91.4m x 55m

Mounting height: 15m

Number of poles: 8

Number of fixtures: 20

Lighting class: EN-12193 class I

Horizontal illuminance in use = 500 lux

Uniformity E_{hmin}/E_{hgem} = 0.7

AAA-LUX LED luminaire used: 16x WS2007, 4x WS2907

IES files vRC 7.0.0 - date: 15 Jun 2020

The nominal values shown in this report are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and/or electrical supply. Tolerated differences are defined in EN-12193 clause 5.4 with a maximum of 10%.

Date: 22.06.2020

Operator: MVD

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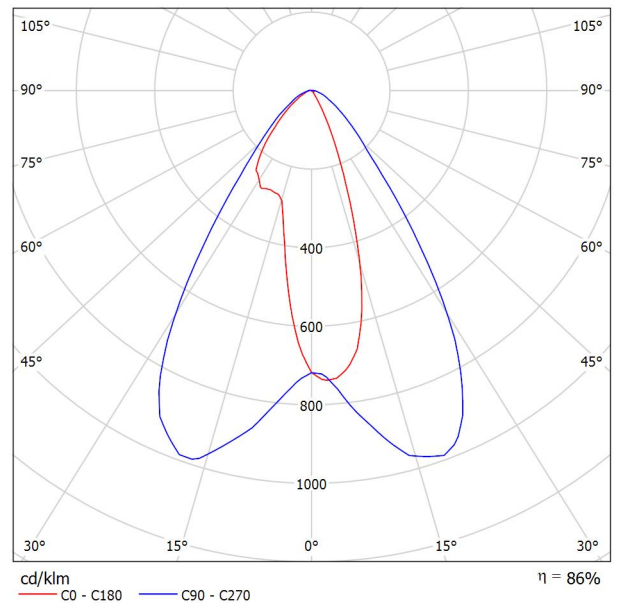
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AAA-LUX WS2907vRC 7.0.0 / Luminaire Data Sheet

Luminous emittance 1:

See our luminaire catalog for an image of the luminaire.



Luminaire classification according to CIE: 99
CIE flux code: 72 91 98 99 86

Due to missing symmetry properties, no UGR table
can be displayed for this luminaire.

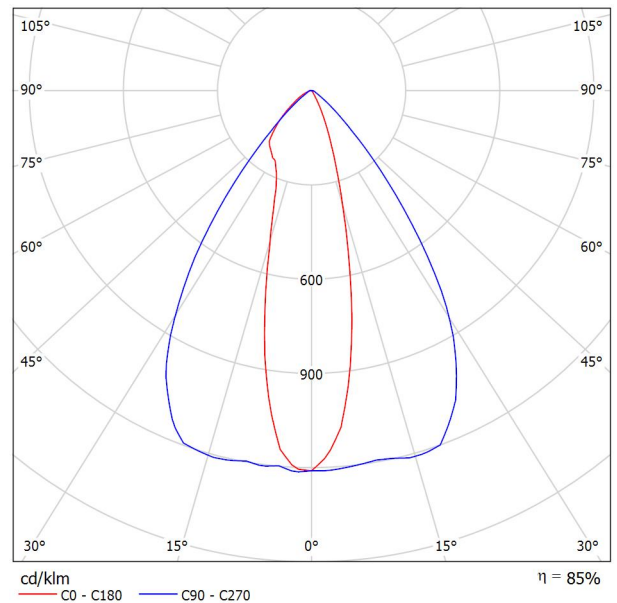
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AAA-LUX WS2007vRC 7.0.0 / Luminaire Data Sheet

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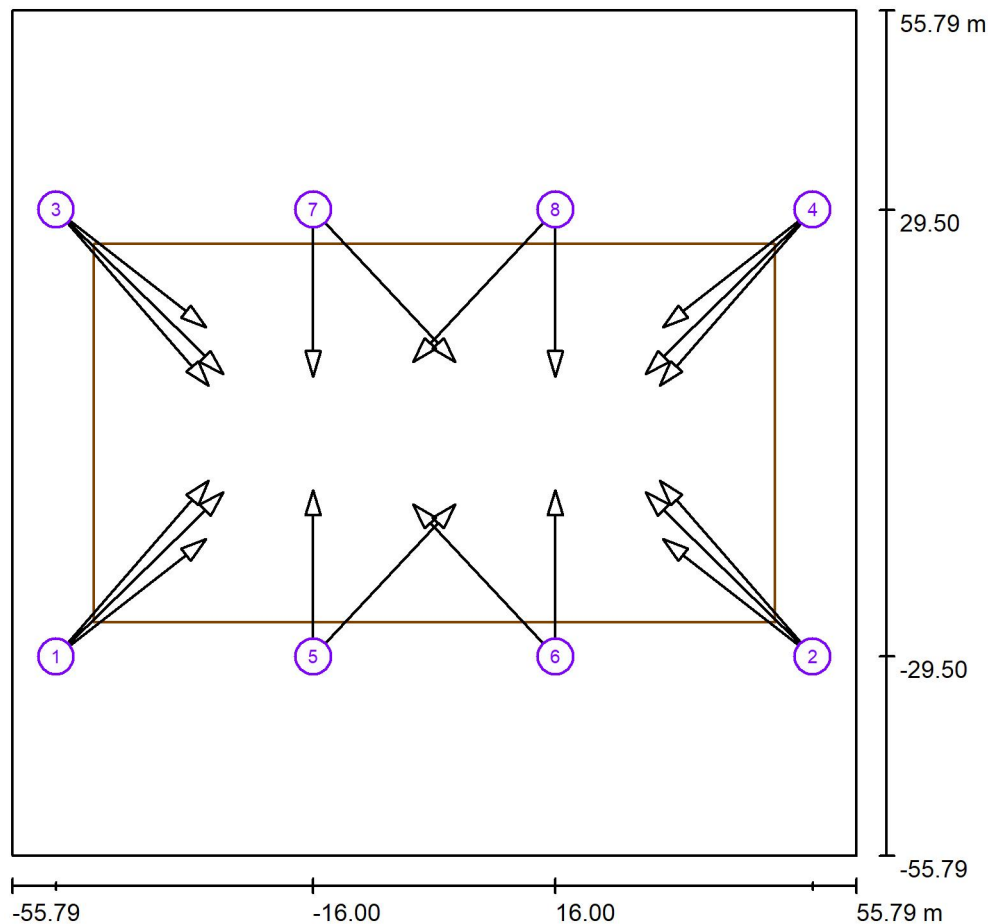
Luminaire classification according to CIE: 100
CIE flux code: 86 97 99 100 85

Due to missing symmetry properties, no UGR table can be displayed for this luminaire.

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Hockey / Sport Luminaires (Coordinates List)



Scale 1 : 1000

List of the Sport Luminaires

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
AAA-LUX WS2007vRC 7.0.0	1	-50.000	-29.500	15.200	-30.200	-14.000	0.000	31.2	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	1	-50.000	-29.500	15.200	-27.900	-7.800	0.000	26.1	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	1	-50.000	-29.500	15.200	-29.800	-6.300	0.000	26.3	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	2	50.000	-29.500	15.200	30.200	-14.000	0.000	31.2	(C 0, G 0)	/

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Hockey / Sport Luminares (Coordinates List)

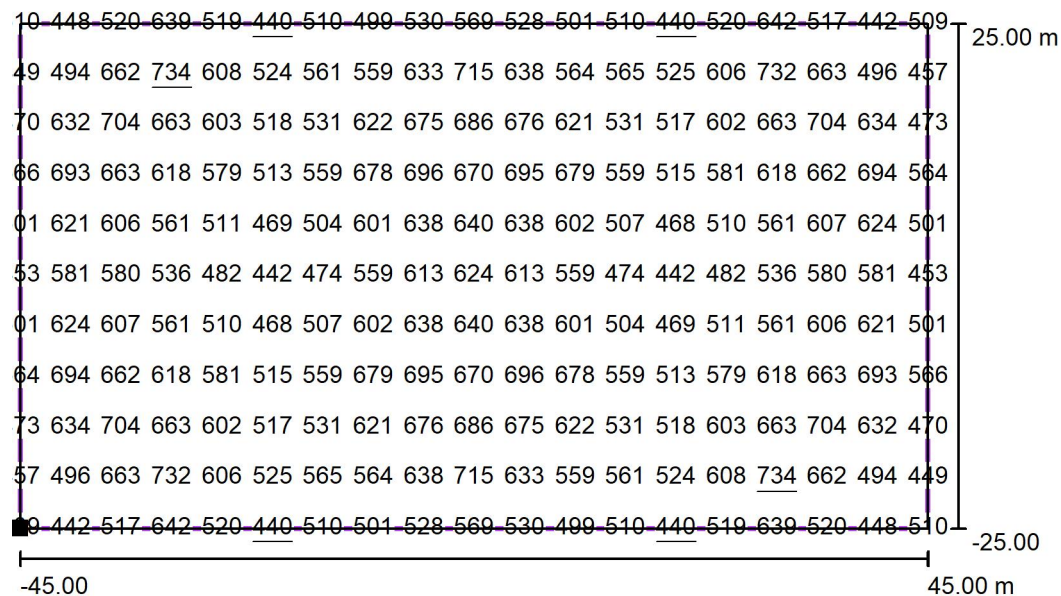
List of the Sport Luminares

Luminaire	Index	Position [m]			Aiming Point [m]			Angle [°]	Alignment	Pole
		X	Y	Z	X	Y	Z			
AAA-LUX WS2007vRC 7.0.0	2	50.000	-29.500	15.200	27.900	-7.800	0.000	26.1	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	2	50.000	-29.500	15.200	29.800	-6.300	0.000	26.3	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	3	-50.000	29.500	15.200	-30.200	14.000	0.000	31.2	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	3	-50.000	29.500	15.200	-27.900	7.800	0.000	26.1	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	3	-50.000	29.500	15.200	-29.800	6.300	0.000	26.3	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	4	50.000	29.500	15.200	30.200	14.000	0.000	31.2	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	4	50.000	29.500	15.200	27.900	7.800	0.000	26.1	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	4	50.000	29.500	15.200	29.800	6.300	0.000	26.3	(C 0, G 0)	/
AAA-LUX WS2907vRC 7.0.0	5	-16.000	-29.500	15.200	-16.000	-7.500	0.000	34.6	(C 0, G 0)	/
AAA-LUX WS2907vRC 7.0.0	6	16.000	-29.500	15.200	16.000	-7.500	0.000	34.6	(C 0, G 0)	/
AAA-LUX WS2907vRC 7.0.0	7	-16.000	29.500	15.200	-16.000	7.500	0.000	34.6	(C 0, G 0)	/
AAA-LUX WS2907vRC 7.0.0	8	16.000	29.500	15.200	16.000	7.500	0.000	34.6	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	5	-16.000	-29.500	15.200	2.800	-9.400	0.000	28.9	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	6	16.000	-29.500	15.200	-2.800	-9.400	0.000	28.9	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	7	-16.000	29.500	15.200	2.800	9.400	0.000	28.9	(C 0, G 0)	/
AAA-LUX WS2007vRC 7.0.0	8	16.000	29.500	15.200	-2.800	9.400	0.000	28.9	(C 0, G 0)	/

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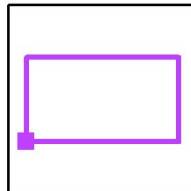
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Hockey / Calculation Grid according EN12193 / Value Chart (E, Horizontal)



Values in Lux, Scale 1 : 750

Position of surface in external scene:
 Marked point: (-45.000 m, -25.000 m,
 0.000 m)



Grid: 19 x 11 Points

E_{av} [lx]
 574

E_{min} [lx]
 440

E_{max} [lx]
 734

u_0
 0.77

E_{min} / E_{max}
 0.60