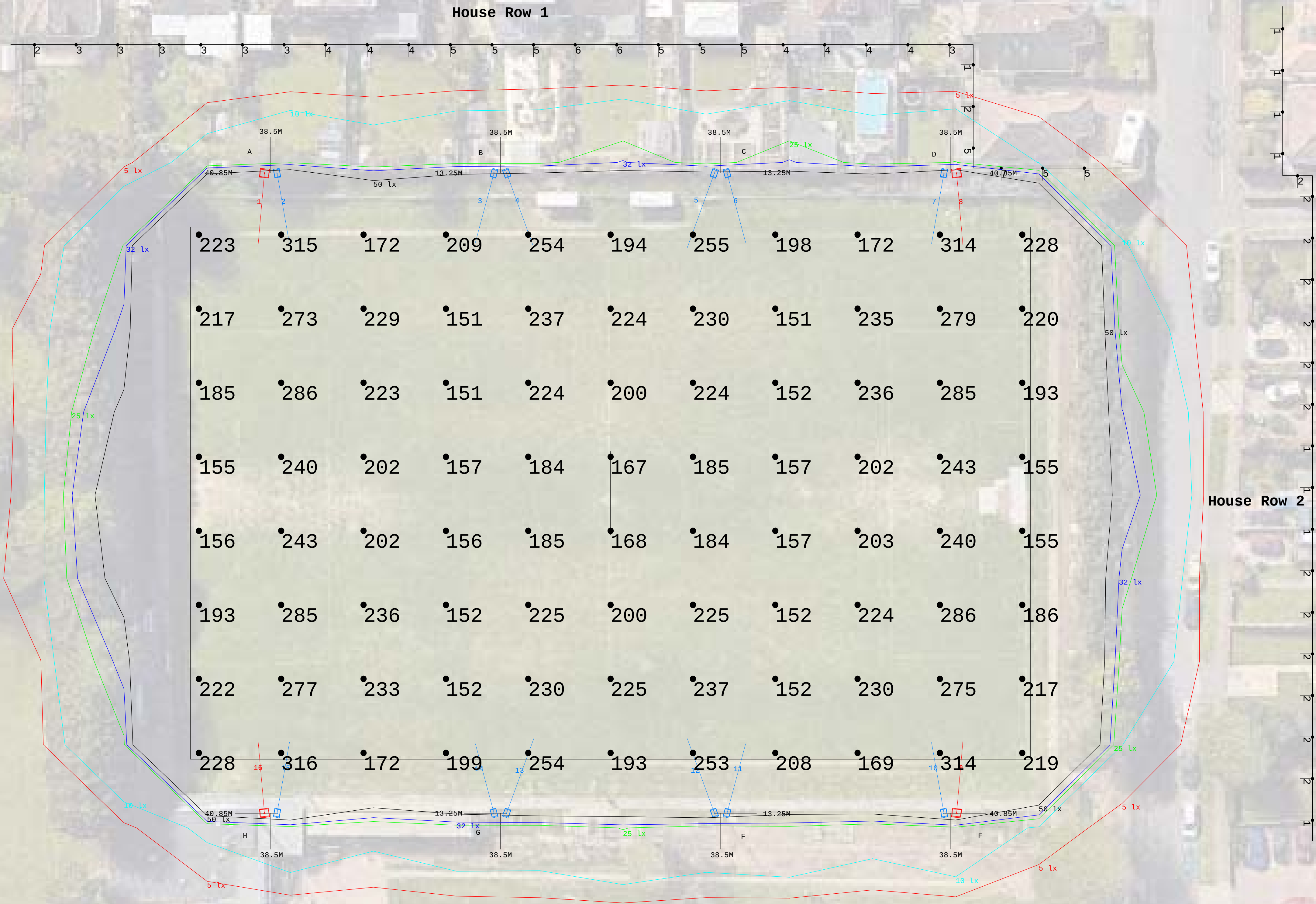




Obtrusive Light - Compliance Report

AS/NZS 4282:2019, A3 - Medium Distrid Brightness, Non-Curlew L2
Filename: East Preston FC- Retrolit
2025-12-22 11:31:59

Illuminance

Maximum Allowable Value: 10 Lux

Calculations Tested (6):

Calculation Label	Test Results	Max. Illum.
Housing Row 2_Ill_Seg1	PASS	1
Housing Row 2_Ill_Seg2	PASS	2
Housing Row 2_Ill_Seg3	PASS	2
Housing Row 1_Ill_Seg1	PASS	4
Housing Row 1_Ill_Seg2	PASS	5
Housing Row 1_Ill_Seg3	PASS	6

Luminous Intensity (Cd) At Vertical Planes

Maximum Allowable Value: 25000 Cd

Calculations Tested (6):

Calculation Label	Test Results	Max. Intensity
Housing Row 2_Cd_Seg1	PASS	1
Housing Row 2_Cd_Seg2	PASS	2
Housing Row 2_Cd_Seg3	PASS	2
Housing Row 1_Cd_Seg1	PASS	4
Housing Row 1_Cd_Seg2	PASS	5
Housing Row 1_Cd_Seg3	PASS	6

Calculation Summary

Label	CalcType	Units	Avg	Max	Min	Min/Avg	Min/Max
Housing Row 1_Cd_Seg	Obtrusive - Cd	N.A.	12757	14672	10437	0.82	0.71
Housing Row 1_Cd_Seg	Obtrusive - Cd	N.A.	12202	13116	11378	0.93	0.87
Housing Row 1_Ill_Seg	Obtrusive - Cd	N.A.	14562	16195	13526	0.93	0.84
Housing Row 1_Ill_Seg	Obtrusive - Ill	Lux	4	6	2	0.50	0.33
Housing Row 1_Ill_Seg	Obtrusive - Ill	Lux	3	5	1	0.37	0.20
Housing Row 2_Cd_Seg	Obtrusive - Cd	N.A.	12551	13221	11529	0.92	0.87
Housing Row 2_Cd_Seg	Obtrusive - Cd	N.A.	10866	10866	10866	1.00	1.00
Housing Row 2_Cd_Seg	Obtrusive - Cd	N.A.	5276	10108	1731	0.33	0.17
Housing Row 2_Ill_Seg	Obtrusive - Ill	Lux	1	1	1	1.00	1.00
Housing Row 2_Ill_Seg	Obtrusive - Ill	Lux	2	2	1	0.57	0.50
Housing Row 2_Ill_Seg	Obtrusive - Ill	Lux	2	2	1	0.57	0.50

Luminaires Location Summary

Pole	LumNo	Label	Z	Orient	Tilt	Weight	Total Weights
A1	1	ABE1440-T4VVS-50K-3535A-V1-SPC	15	265	30	22.4	39.4Kgs
A2	2	ABE960-T4VVS-50K-3535A-V1-SPC	15	280	30	17	34Kgs
B1	3	ABE960-T4VVS-50K-3535A-V1-SPC	15	255	30	17	34Kgs
B2	4	ABE960-T4VVS-50K-3535A-V1-SPC	15	290	32.5	17	34Kgs
C1	5	ABE960-T4VVS-50K-3535A-V1-SPC	15	250	32.5	17	34Kgs
C2	6	ABE960-T4VVS-50K-3535A-V1-SPC	15	285	30	17	34Kgs
D1	7	ABE960-T4VVS-50K-3535A-V1-SPC	15	260	30	17	34Kgs
D2	8	ABE1440-T4VVS-50K-3535A-V1-SPC	15	275	30	22.4	39.4Kgs
E1	9	ABE1440-T4VVS-50K-3535A-V1-SPC	15	85	30	22.4	39.4Kgs
E2	10	ABE960-T4VVS-50K-3535A-V1-SPC	15	100	30	17	34Kgs
F1	11	ABE960-T4VVS-50K-3535A-V1-SPC	15	75	30	17	34Kgs
F2	12	ABE960-T4VVS-50K-3535A-V1-SPC	15	110	32.5	17	34Kgs
G1	13	ABE960-T4VVS-50K-3535A-V1-SPC	15	70	32.5	17	34Kgs
G2	14	ABE960-T4VVS-50K-3535A-V1-SPC	15	105	30	17	34Kgs
H1	15	ABE960-T4VVS-50K-3535A-V1-SPC	15	80	30	17	34Kgs
H2	16	ABE1440-T4VVS-50K-3535A-V1-SPC	15	95	30	22.4	39.4Kgs

Luminaires Summary

Luminaire Schedule

Symbol	Qty	Label	Arrangement	Total Lamp Lumens	LLF	Total Watts
□	4	ABE1440-T4VVS-50K-3535A-V1-SPC	SINGLE	164300	0.900	5319.4
□	12	ABE960-T4VVS-50K-3535A-V1-SPC	SINGLE	111870	0.900	10969.7

Calculation Summary

Label	CalcType	Pitch Size	Units	Avg	Max	Min	Min/Avg	Min/Max	Result
Specification	Illuminance	101 x 64	Lux	200	N.A.	N.A.	0.60	N.A.	N/A
Main pitch	Illuminance	101 x 64	Lux	213	316	151	0.71	0.48	PASS

Glare

Calculation Summary

Label	CalcType	Avg	Max	Min	Result
GR1	Glare Rating	16	27	10	PASS
GR1	Glare Rating	16	27	10	PASS
GR1	Glare Rating	24	43	10	PASS
GR1	Glare Rating	16	27	10	PASS
GR1	Glare Rating	19	25	10	PASS
GR1	Glare Rating	23	34	10	PASS
GR1	Glare Rating	28	40	10	PASS
GR1	Glare Rating	23	39	10	PASS
GR1	Glare Rating	18	27	10	PASS
GR1	Glare Rating	17	29	10	PASS
GR1	Glare Rating	25	41	10	PASS
GR1	Glare Rating	17	29	10	PASS



Project Name:East Preston FC

For our LED lighting designs a 0.9mf has been used.If this differs from the maintenance period for this project then you must advise us accordingly

Date

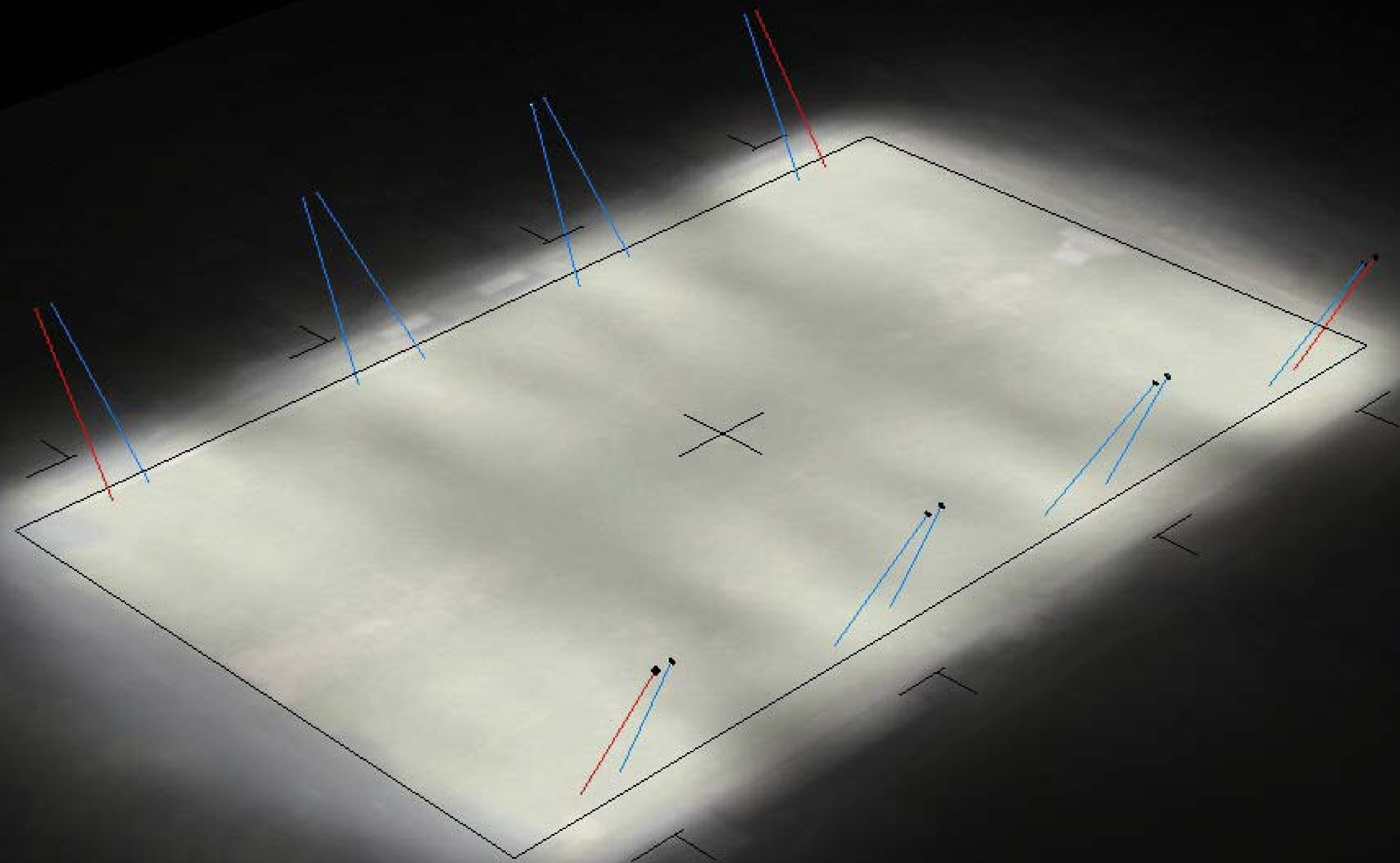
22/Dec/2025

Drawing NO

0231-Rev A

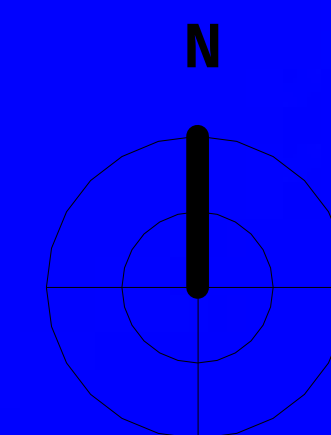
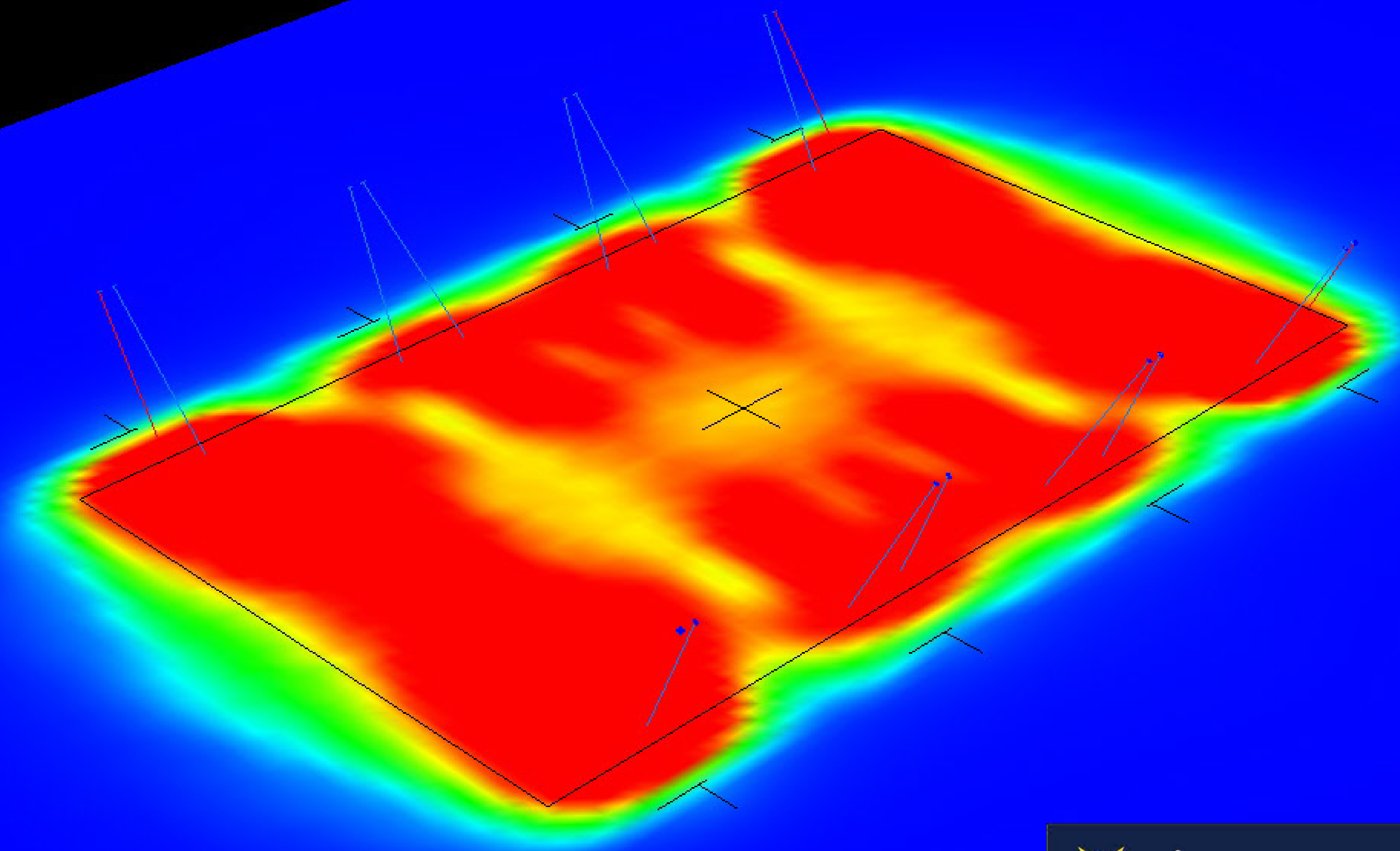
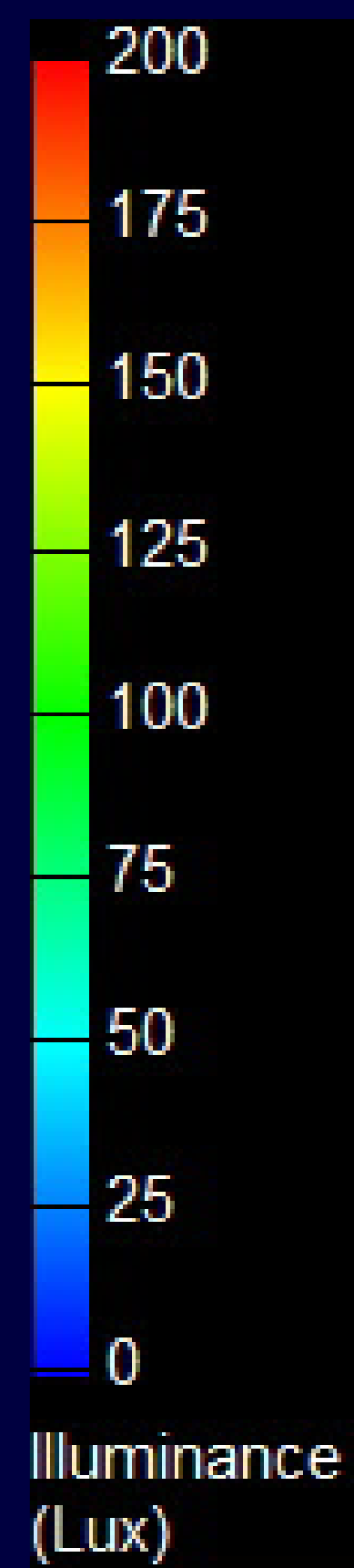
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Project Name:East Preston FC		Dimensions are not to be scaled from this drawing	
For our LED lighting designs a 0.9mf has been used.If this differs from the maintenance period for this project then you must advise us accordingly		Date	Drawing NO
		22/Dec/2025	0231-Rev A
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22/Dec/2025	0231-Rev A

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