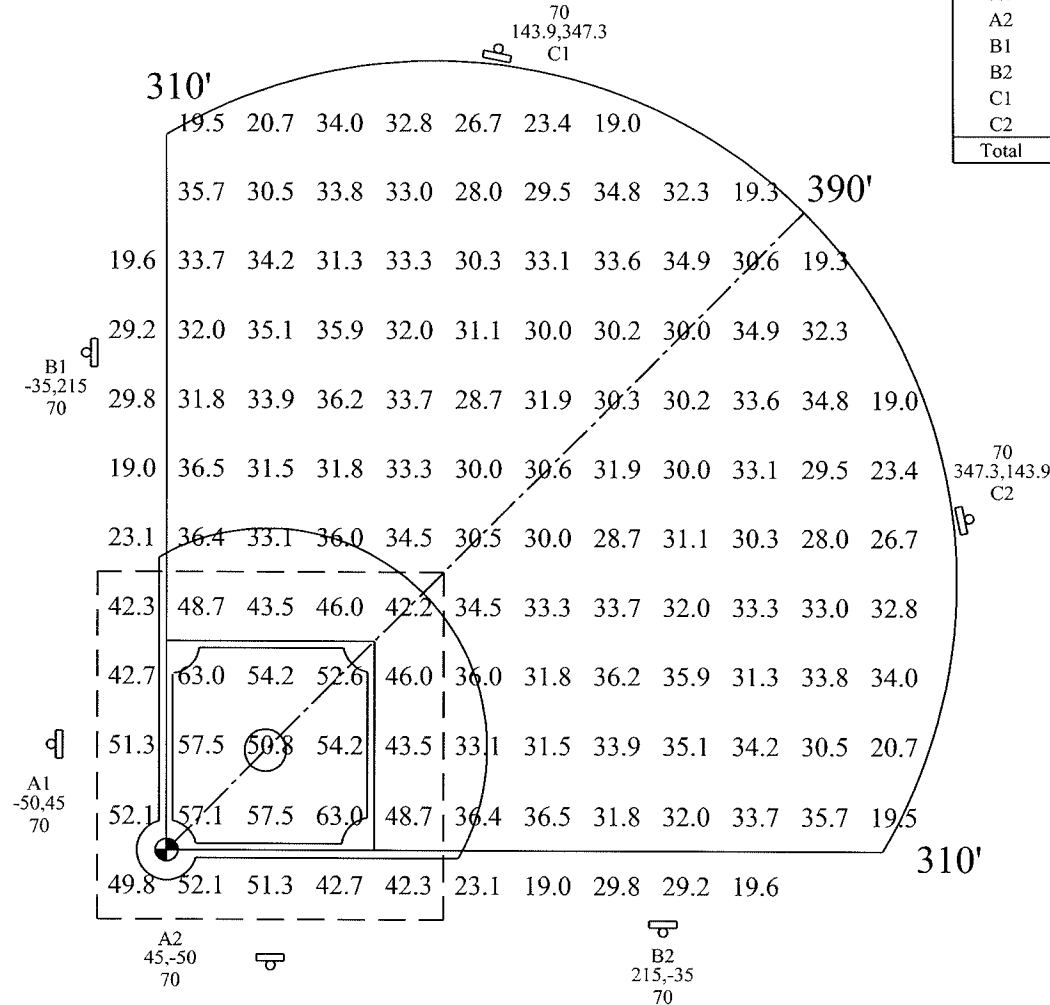


DESIGN IN COMPLIANCE WITH IESNA RP-6-01

Pole	x-loc	y-loc	height	CE-NS	CE-MS	CE-WS	Total	kw
A1	-50	45	70ft	1	5	2	8	13.0
A2	45	-50	70ft	1	5	2	8	13.0
B1	-35	215	70ft	2	7	3	12	19.6
B2	215	-35	70ft	2	7	3	12	19.6
C1	143.9	347.3	70ft	2	7	1	10	16.3
C2	347.3	143.9	70ft	2	7	1	10	16.3
Total				10	38	12	60	97.8



CE-NS	CE-MS
Narrow w/Louver	Medium w/Louver
Light Loss Factor = 0.800	Light Loss Factor = 0.800
Watts per luminaire = 1630	Watts per luminaire = 1630
Candela file name: CE-NS.ies	Candela file name: CE-MS.ies
Number luminaires used = 10	Number luminaires used = 38
kw these luminaires = 16.3	kw these luminaires = 61.9
CE-WS	
Wide w/Louver	
Light Loss Factor = 0.800	
Watts per luminaire = 1630	
Candela file name: CE-WS.ies	
Number luminaires used = 12	
kw these luminaires = 19.6	

NOTE:
ALL POLE LOCATIONS ARE REFERENCED FROM ORIGIN (0,0) AT HOMEPLATE OF BASEBALL FIELD

Calculated light levels are based on specific information that has been supplied to us. Any differences in the luminaire installation, lighted area geometry and any obstructions in the lighted area may produce different results from the predicted values. Normal tolerances of voltage, lamp output, and ballast and luminaire manufacture will affect results.
Ref: IES LM-61-1986
Identifying Operating Factors for HID Luminaires

Baseball
132 points (25 infield, 107 outfield) at z=3, sp 30ft by 30ft
HORIZONTAL FOOTCANDLES

	Outfield	Infield
Average	30.6	50.2
Maximum	36.5	63.0
Minimum	19.0	42.2
Avg:Min	1.61	1.19
Max:Min	1.92	1.49
Coef Var	0.16	0.12
UnifGrad	1.92	1.48



UNIVERSAL SPORTS LIGHTING

LIGHTING DESIGN DEPT. PHONE: (217) 648-5201
2277 OLD ROUTE 66 FAX: (217) 648-5209
P.O. BOX 486 c-mail: eng@uslnet.com
ATLANTA, IL 61723 www.uslnet.com

TYPICAL 310'/390'/310' BASEBALL

50/30 FOOTCANDLES MAINTAINED
6 POLE/60 FIXTURE DESIGN
POLES A1 & A2 - 70' M.H. w/8 FIXTURES EACH
POLES B1 & B2 - 70' M.H. w/12 FIXTURES EACH
POLES C1 & C2 - 70' M.H. w/10 FIXTURES EACH
1500 WATT METAL HALIDE FIXTURES
AVERAGE MAINTAINED HORIZONTAL FOOTCANDLES
TOTAL KILOWATT CONSUMPTION = 97.8 KW

Sheet No.	Designer:	Date/Time of Design	Drawing Number:	Rev:
1 of 1	RAS	7/26/07 10:21 A.M.	USL310-390-53L-A	00