



Soccer 360' x 225' 4 POLES 70'High 30' Pole Setback Class 3: 30FC

Project Name: 'DS Project Number Date:		4P-70H-30SB-30	AVG_summary							
POLE#	#POLES	Pole Height	<u>Fixture</u>	Qty/Pole	Total Fixt	ures	Watts/Fixture	Total Wa	atts	<u>To</u>
P1	1	70'	ZNF-110L-NF-50-GS	6	6		732	4,392		4.39
			ZNF-110L-MF-50-GS ZNF-110L-MWF-50-GS	4 1	4		783 783	3,132 783		3.13 0.78
			ZNF-110L-IVIVVF-50-GS	- 1		r 11	703	703	8,307	0.76
P2	1	70'	ZNF-110L-NF-50-GS	6	6		732	4,392		4.39
			ZNF-110L-MF-50-GS	4	4		783	3,132		3.13
			ZNF-110L-MWF-50-GS	1	1	r 11	783	783	8,307	0.78
P3	1	70'	ZNF-110L-NF-50-GS	6	6		732	4,392		4.39
			ZNF-110L-MF-50-GS	4	4		783	3,132		3.13
			ZNF-110L-MWF-50-GS	1	1	r 11	783	783		0.78
						- 11			8,307	
P4	1	70'	ZNF-110L-NF-50-GS	6	6		732	4,392		4.39
			ZNF-110L-MF-50-GS	4	4		783	3,132		3.13
			ZNF-110L-MWF-50-GS	1	1	r 11	783	783	8,307	0.78
						- 11			6,307	
TOTALS	4					44			33.228	

25.6 36.3 37.2 30.7 27.A 22.6	18.5 19.3 \$3.7 33.7 35.2 33.0 33.0 35.2	33.7 23.7 19.3 18.5 22.6 22.4 30.7 37.2 36.3 25.6
33.0 42.7 38.8 31.3 27.1 23.1	20.0 21.5 26.8 \$7.2 41.3 38.5 38.5 41.3	737.2 26.8 27.5 20.0 23.1 27.1 31.3 38.8 42.7 33.0
34.3 40.9 37.6 32.8 29.5 26.2	24.5 25.8 30.9 38.0 40.1 40.6 40.6 40.1	38.0 30.9 25.8 24.5 26.2 29.5 32.8 37.8 40.9 34.3
32.0 37.6 38.1 36.7 34.5 31.9	31.3 31.8 35.6 38.4 38.4 37.3 37.3 38.4	38.4 35.6 31.8 31.9 34.5 36.7 381 37.6 32.0
29.9 35.6 39.1 39.6 38.5 36.9	36.6 36.9 38.5 38.1 36.3 35.4 35.4 36.3	38.1 38.5 36.9 36.6 36.9 38.5 39.6 39.1 \$5.6 29.9
\$3.8 \$7.3 \$9.1 \$8.0 \$8.1	37.2 38.0 38.1 37.4 34.9 33.6 33.6 34.9	37.4 38.0 37.2 38.1 38.0 39.1 37.3 33.8 28.1
27.3 32.2 35.1 36.8 35.5 36.3	35.3 36.5 36.8 36.4 24.4 32.1 32.1 34.4	36.4 36.8 36.5 35.3 36.3 35.5 36.8 35.1 32.2 27.9
27.4 31.6 34.2 35.7 34.9 35.5	34.8 35.7 36.4 35.8 34.4 31.3 31.3 34.4	35.8 36.4 35.7 34.8 35.5 34.9 35.7 34.2 31.6 27.4
27.3 32.2 35.1 36.8 35.5 36.3	35.3 36.5 36.8 36.4 344 32.1 381 34.4	36.4 36.8 36.5 35.3 36.3 35.5 36.8 35.1 32.2 27.3
28.1 23.8 29.1 28.0 28.1	\$7.2 \$8.0 \$6.1 \$7.4 \$4.9 \$3.6 \$3.6 \$4.9	37.4 38.1 38.0 37.2 38.1 38.0 39.1 37.3 33.8 28.1
29.9 35.6 39.1 39.6 385 36.9	36.6 36.9 38.5 38.1 36.3 35.4 35.4 36.3	38.1 38.5 36.9 36.6 36.9 38.5 39.6 39.1 35.6 29.9
32.0 37.6 38.1 36.7 34.5 31.9	31.3 31.8 35.6 38.4 38.4 37.3 37.3 38.4	38.4 35.6 31.8 31.9 34.5 36.7 38.1 37.6 32.0
34.3 40.9 37.8 32.8 29.5 26.2	24.5 25.8 30.9 38.0 40.1 40.6 40.6 40.1	38.0 30.9 25.8 24.5 262 29.9 32.8 37.8 40.9 34.3
33.0 42.7 38.8 3\3 27.1 23.1	20.0 21.5 26.8 37.2 41.3 38.5 38.5 41.3	3x2 26.8 21.5 20.0 29.1 27.1 31/3 38.8 42.7 33.0
25.6 36.3 37.2 30.7 27.4 22.6	18.5 19.3 23.7 33.7 35.2 33.0 33.0 335.2	33.7 28.7 19.3 18.5 22.6 27.4 38.7 37.2 36.3 25.6
30f t		
	P3	P4

Calculation Summary								
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min	Grid Z
SUMMARY	Illuminance	Fc	34	42.7	18.5	1.8	2.3	3

PHOTOMETRIC EVALUATION NOT FOR CONSTRUCTION

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

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This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (ES) approved nethods. Actual performance of any nanufacturer's luminaires nay vary due to changes in electrical voltage, tolerance in langs/ED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted. Fixture nomenclature noted des not fisculate pointing hardware or poles. This drawing is from photometric advanced to the control of the properties of the control of the cont

The IES no longer uses the Cutoff Classification System for LED fixtures. The IES classifies LED fixtures with the BUG rating which refers to the Backlight-light-Claire system. An Uplight of 'UO' nost closely matches the old Full Cutoff rating.

Luminaire Schedule										
Symbol	Qty	Label	Arrangement	Description	LLF	Arr. Lum. Lumens	Arr. Watts			
+	24	A33	SINGLE	ZNF-110L-NF-50-GS	0.930	99770	732			
+	16	A44	SINGLE	ZNF-110L-MF-50-GS	0.930	107073	783			
-	4	A55	SINGLE	ZNF-110L-MWF-50-GS	0.930	102030	783			

Maintained Illumination Levels at 3^\prime Above Grade.

Final Aiming Diagram, Racking Diagram, and Calculations Furnished upon Receipt of a released order.

Dimensions of drawings that have been scaled or converted from PDF files or scanned /submitted images are approximate.

Total Project Watts Total Watts = 33228





LIGHTING PROPOSAL SDC-360×225-4P-70H-30SB-30AVG

SCALE: 1"=40' ARCH B