



6K HMI Fresnel - ARRISUN 60

HMI PHOTOMETRICS



Distance	40 ft. (12.2 m)	60 ft. (18.3 m)	80 ft. (24.4 m)	10 ft. (30.5 m)
Super Spot/No Lens				
Spot (7°)				
Footcandles	10,282	4570	2571	1645
Spread/Feet	4.9 ft.	7.3 ft.	9.8 ft.	12.2 ft.
	1.5 m	2.2 m	3.0 m	3.7 m
Spot Lens				
Spot (8°)				
Footcandles	6,891	3,063	1,723	1,103
Spread/Feet	5.6 ft.	8.4 ft.	11.2 ft.	14.0 ft.
	1.7 m	2.6 m	3.4 m	4.3 m
Medium (11°)				
Footcandles	3,110	1,382	777	498
Spread/Feet	7.7 ft.	11.6 ft.	15.4 ft.	19.3 ft.
	2.3 m	3.5 m	4.7 m	5.9 m
Flood (14°)				
Footcandles	2,453	1,090	613	393
Spread/Feet	9.8 ft.	14.7 ft.	19.6 ft.	24.6 ft.
	3.0 m	4.5 m	6.0 m	7.5 m
Medium Lens				
Spot (10° x 19°)				
Footcandles	2,641	1,174	660	423
Spread/Feet	7.0 x 13.4 ft.	10.5 x 20.1 ft.	14.0 x 26.8 ft.	17.5 x 33.5 ft.
	2.1 x 4.1 m	3.2 x 6.1 m	4.3 x 8.2 m	5.3 x 10.2 m

Distance	40 ft. (12.2 m)	60 ft. (18.3 m)	80 ft. (24.4 m)	100 ft. (30.5 m)
Mediam (16° x 23°)				
Footcandles	1,338	595	335	214
Spread/Feet	11.2 x 16.3 ft.	16.9 x 24.4 ft.	22.5 x 32.6 ft.	28.1 x 40.7 ft.
	3.4 x 5.0 m	5.2 x 7.4 m	6.9 x 9.9 m	8.6 x 12.4 m
Flood (22° x 27°)				
Footcandles	1,017	452	254	163
Spread/Feet	15.6 x 19.2 ft.	23.3 x 28.8 ft.	31.1 x 38.4 ft.	38.9 x 48.0 ft.
	4.8 x 5.9 m	7.1 x 8.8 m	9.5 x 11.7 m	11.9 x 14.6 m
Wide Lens				
Spot (18° x 35°)				
Footcandles	1,008	448	252	161
Spread/Feet	12.7 x 25.2 ft.	19.0 x 37.8 ft.	25.3 x 50.4 ft.	31.7 x 63.1 ft.
	3.9 x 7.7 m	5.8 x 11.5 m	7.7 x 15.4 m	9.7 x 19.2 m
Medium (24° x 41°)				
Footcandles	664	295	166	106
Spread/Feet	17.0 x 29.9 ft.	25.5 x 44.9 ft.	34.0 x 59.8 ft.	42.5 x 74.8 ft.
	5.2 x 9.1 m	7.8 x 13.7 m	10.4 x 18.2 m	13.0 x 22.8 m
Flood (33° x 46°)				
Footcandles	438	194	109	70
Spread/Feet	23.7 x 34.0 ft.	35.5 x 50.9 ft.	47.4 x 67.9 ft.	59.2 x 84.9 ft.
	7.2 x 10.4 m	10.8 x 15.5 m	14.4 x 20.7 m	18.0 x 25.9 m
Super Wide Lens				
Spot (40°)				
Footcandles	538	239	134	86
Spread/Feet	29.1 ft.	43.7 ft.	58.2 ft.	72.8 ft.
	8.9 m	13.3 m	17.7 m	22.2 m
Medium (45°)				
Footcandles	433	192	108	69
Spread/Feet	33.1 ft.	49.7 ft.	66.3 ft.	82.8 ft.
	10.1 m	15.1 m	20.2 m	25.2 m
Flood (50°)				
Footcandles	270	120	68	43
Spread/Feet	37.3 ft.	56.0 ft.	74.6 ft.	93.3 ft.
	11.4 m	17.1 m	22.7 m	28.4 m

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TORONTO

SUDBURY

HALIFAX

Distance	40 ft. (12.2 m)	60 ft. (18.3 m)	80 ft. (24.4 m)	100 ft. (30.5 m)
Frosted Lens				
Spot (39°)				
Footcandles	322	143	80	52
Spread/Feet	28.3 ft.	42.5 ft.	56.7 ft.	70.8 ft.
	8.6 m	13.0 m	17.3 m	21.6 m
Medium (46°)				
Footcandles	224	100	56	36
Spread/Feet	34.0 ft.	50.9 ft.	67.9 ft.	84.9 ft.
	10.4 m	15.5 m	20.7 m	25.9 m
Flood (55°)				
Footcandles	173	77	43	28
Spread/Feet	41.6 ft.	62.5 ft.	83.3 ft.	104.1 ft.
	12.7 m	19.1 m	25.4 m	31.7 m

Lens Performance	
Super Spot/No Lens Performance at any distance:	
Footcandles (or lux) = 16,450,000 ÷ Distance²	Beam Diameter = Distance x 0.12
Spot Lens Performance at any distance:	
Footcandles (or lux) = 4,976,000 ÷ Distance²	Beam Diameter = Distance x 0.19
Medium Lens Performance at any distance:	
Footcandles (or lux) = 2,140,800 ÷ Distance²	Beam Diameter = Distance x 0.28
	Beam Diameter = Distance x 0.41
Wide Lens Performance at any distance:	
Footcandles (or lux) = 1,062,400 ÷ Distance²	Beam Diameter = Distance x 0.43
	Beam Diameter = Distance x 0.75
Super Wide Lens Performance at any distance:	
Footcandles (or lux) = 692,800 ÷ Distance²	Beam Diameter = Distance x 0.83
Frosted Lens Performance at any distance:	
Footcandles (or lux) = 358,400 ÷ Distance²	Beam Diameter = Distance x 0.85

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