

PHOTOMETRIC DATA

PHOTOMETRIC DATA MAGIS (300 W LAMP)									
Values measured with: CP 81 Lamp - 220 V, 120 mm. F Fresnel Lens									
FEET					METERS				
TYPICAL DISTANCES	10'	20'	30'	40'	3 mt	6 mt	9 mt	12 mt	
CENTER VALUES									
	Candle Power	FOOTCANDLES				LUX			
SPOT	27.000	270	68	30	17	3.000	750	333	188
FLOOD	3.250	33	8	4	2	361	90	40	23
F.C. AT ANY DISTANCE = Candle Power : [Distance(in ft)] ²					LUX AT ANY DISTANCE = Candle Power : [Distance(in m.)] ²				
BEAM ANGLE (50% of center value):									
		BEAM DIAMETER in feet				BEAM DIAMETER in meters			
SPOT	7,2°	1,3'	2,5'	3,8'	5,0'	0,4 mt	0,8 mt	1,1 mt	1,5 mt
FLOOD	51,5°	9,6'	19,3'	28,9'	38,6'	2,9 mt	5,8 mt	8,7 mt	11,6 mt
FIELD ANGLE (10% of center value):									
		BEAM DIAMETER in feet				BEAM DIAMETER in meters			
SPOT	15,5°	2,7'	5,4'	8,2'	10,9'	0,8 mt	1,6 mt	2,4 mt	3,3 mt
FLOOD	64,5°	12,6'	25,2'	37,9'	50,5'	3,8 mt	7,6 mt	11,4 mt	15,1 mt

PHOTOMETRIC DATA MAGIS (500 W LAMP)									
Values measured with: CP 82 Lamp - 220 V, 120 mm. F Fresnel Lens									
FEET					METERS				
TYPICAL DISTANCES	10'	20'	30'	40'	3 mt	6 mt	9 mt	12 mt	
CENTER VALUES									
	Candle Power	FOOTCANDLES				LUX			
SPOT	42.030	420	105	47	26	4.670	1.168	519	292
FLOOD	5.850	59	15	7	4	650	163	72	41
F.C. AT ANY DISTANCE = Candle Power : [Distance(in ft)] ²					LUX AT ANY DISTANCE = Candle Power : [Distance(in m.)] ²				
BEAM ANGLE (50% of center value):									
		BEAM DIAMETER in feet				BEAM DIAMETER in meters			
SPOT	8,0°	1,4'	2,8'	4,2'	5,6'	0,4 mt	0,8 mt	1,3 mt	1,7 mt
FLOOD	52,7°	9,9'	19,8'	29,7'	39,6'	3,0 mt	5,9 mt	8,9 mt	11,9 mt
FIELD ANGLE (10% of center value):									
		BEAM DIAMETER in feet				BEAM DIAMETER in meters			
SPOT	16,9°	3,0'	5,9'	8,9'	11,9'	0,9 mt	1,8 mt	2,7 mt	3,6 mt
FLOOD	61,6°	11,9'	23,8'	35,8'	47,7'	3,6 mt	7,2 mt	10,7 mt	14,3 mt

PHOTOMETRIC DATA MAGIS (650 W LAMP)									
Values measured with: CP 89 Lamp - 220 V, 120 mm. F Fresnel Lens									
FEET					METERS				
TYPICAL DISTANCES	10'	20'	30'	40'	3 mt	6 mt	9 mt	12 mt	
CENTER VALUES									
	Candle Power	FOOTCANDLES				LUX			
SPOT	77.994	780	195	87	49	8.666	2.167	963	542
FLOOD	11.250	113	28	13	7	1.250	313	139	78
F.C. AT ANY DISTANCE = Candle Power : [Distance(in ft)] ²					LUX AT ANY DISTANCE = Candle Power : [Distance(in m.)] ²				
BEAM ANGLE (50% of center value):									
		BEAM DIAMETER in feet				BEAM DIAMETER in meters			
SPOT	8,0°	1,4'	2,8'	4,2'	5,6'	0,4 mt	0,8 mt	1,3 mt	1,7 mt
FLOOD	47,1°	8,7'	17,4'	26,2'	34,9'	2,6 mt	5,2 mt	7,8 mt	10,5 mt
FIELD ANGLE (10% of center value):									
		BEAM DIAMETER in feet				BEAM DIAMETER in meters			
SPOT	16,1°	2,8'	5,7'	8,5'	11,3'	0,8 mt	1,7 mt	2,5 mt	3,4 mt
FLOOD	59,4°	11,4'	22,8'	34,2'	45,6'	3,4 mt	6,8 mt	10,3 mt	13,7 mt