

# Photometric Report

MAR-90356990 Exterior Linear 310 QUAD Graze Narrow – Only Red

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

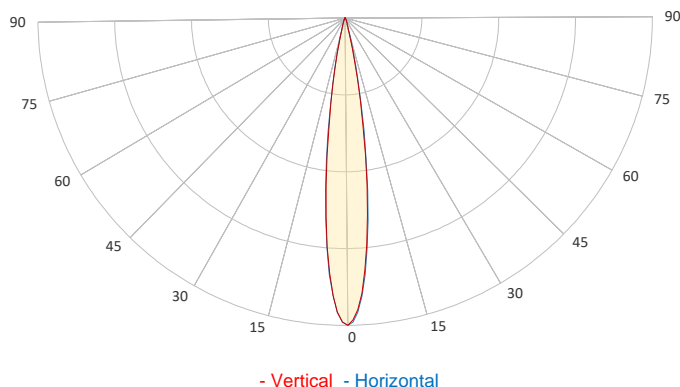
## GENERAL SPECIFICATIONS

Total Fixture Output:	706 lm
Light Engine Output:	1067 lm
Efficacy:	34 lm/W
Lens Option:	Narrow
Beam Angle (50%):	15 °
Field Angle (10%):	27 °
Cut-off Angle (3%):	36 °
CRI:	73+
Color Temperature:	Variable



## SAMPLE MEASUREMENT

POLAR PLOT

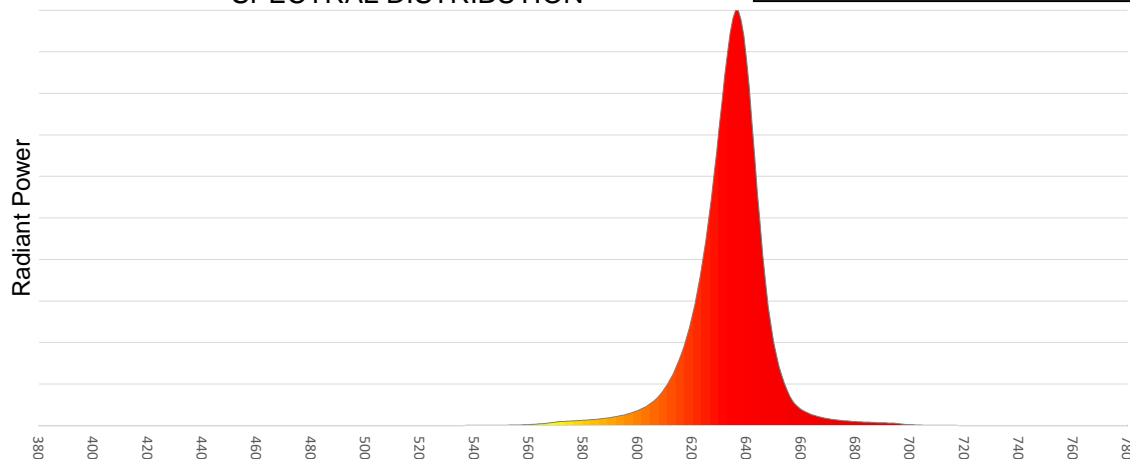


Catalog Number:	MAR-90356990
Measured Output:	174 lm
Measured Peak:	1908 cd
Consumed Power:	12.0 W
Efficacy:	16.7 lm/W

Beam Angle (50%):	15.2 °
Field Angle (10%):	26.8 °
Cut-off Angle (3%):	36.2 °

Measurement Condition:	
Ambient Temperature:	25 ° +/- 5 ° C
AC Supply:	230V/50Hz
Fan Mode:	No Fan
Fixture Warm-up Time:	60 minutes

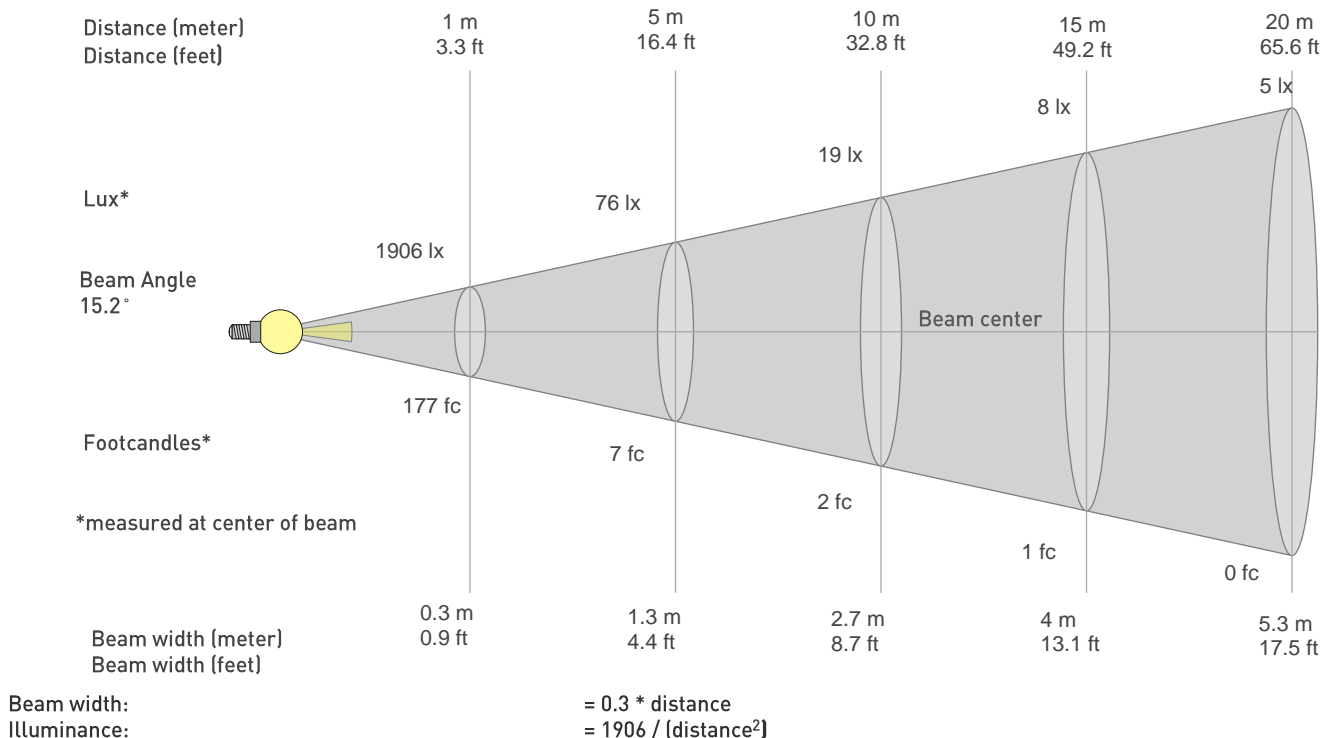
SPECTRAL DISTRIBUTION



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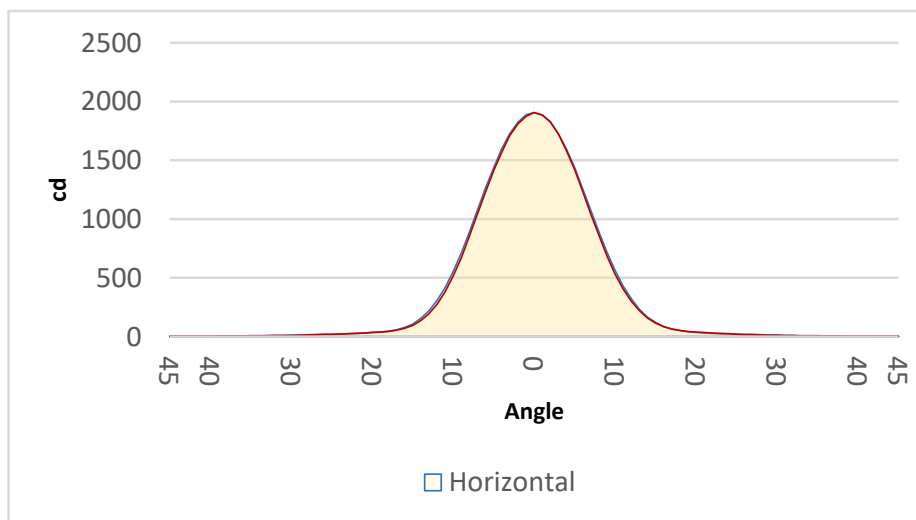
## BEAM DETAILS



distance in [m] for illuminance in [lux] distance in [ft] for illuminance in [fc]

## BEAM ILLUMINANCE FROM 1-20M

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3.3ft	6.6ft	9.8ft	13.1ft	16.4ft	19.7ft	23ft	26.2ft	29.5ft	32.8ft	36.1ft	39.4ft	42.7ft	45.9ft	49.2ft	52.5ft	55.8ft	59.1ft	62.3ft	65.6ft
1906lx	476lx	212lx	119lx	76lx	53lx	39lx	30lx	24lx	19lx	16lx	13lx	11lx	10lx	8lx	7lx	7lx	6lx	5lx	5lx
177.1fc	44.3fc	19.7fc	11.1fc	7.1fc	4.9fc	3.6fc	2.8fc	2.2fc	1.8fc	1.5fc	1.2fc	1fc	0.9fc	0.8fc	0.7fc	0.6fc	0.5fc	0.5fc	0.4fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
15.2°	26.8°	36.2°