

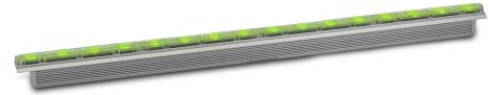
# Photometric Report

MAR-90356995 Exterior Linear 1210 QUAD Graze Asymmetric – Max

MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

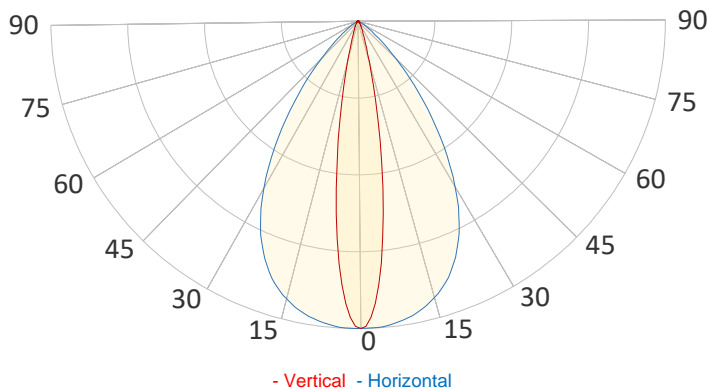
## GENERAL SPECIFICATIONS

Total Fixture Output:	2822 lm
Light Engine Output:	4268 lm
Efficacy:	34 lm/W
Lens Option:	Asymmetric
Beam Angle (50%):	17x67°
Field Angle (10%):	33x98°
Cut-off Angle (3%):	54x117°
CRI:	73+
CQS:	87+
TM-30 Rf:	83+
TM-30 Rg:	105+
TLCI:	75+
Color Temperature:	Variable



## SAMPLE MEASUREMENT

POLAR PLOT

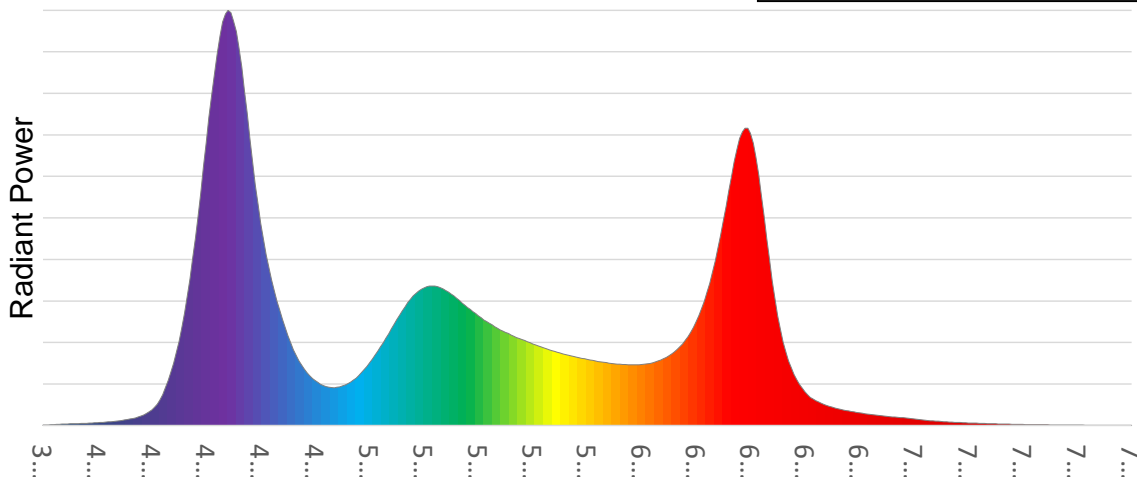


Catalog Number:	MAR-90356995
Measured Output:	2822 lm
Measured Peak:	6752 cd
Consumed Power:	76.0 W
Efficacy:	37.1 lm/W

Beam Angle (50%):	17x67°
Field Angle (10%):	33x98°
Cut-off Angle (3%):	54x117°

Measurement Condition:	
Ambient Temperature:	25° +/- 5° C
AC Supply:	230V/50Hz
Fan Mode:	No Fan
Fixture Warm-up Time:	30 minutes

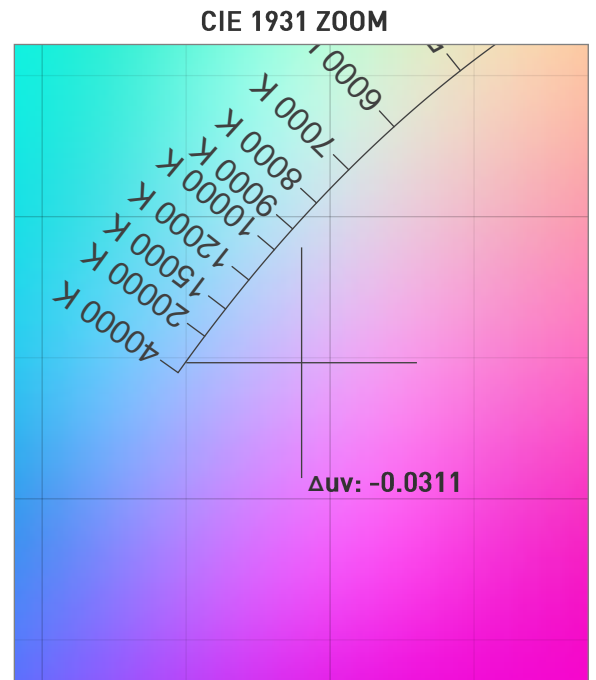
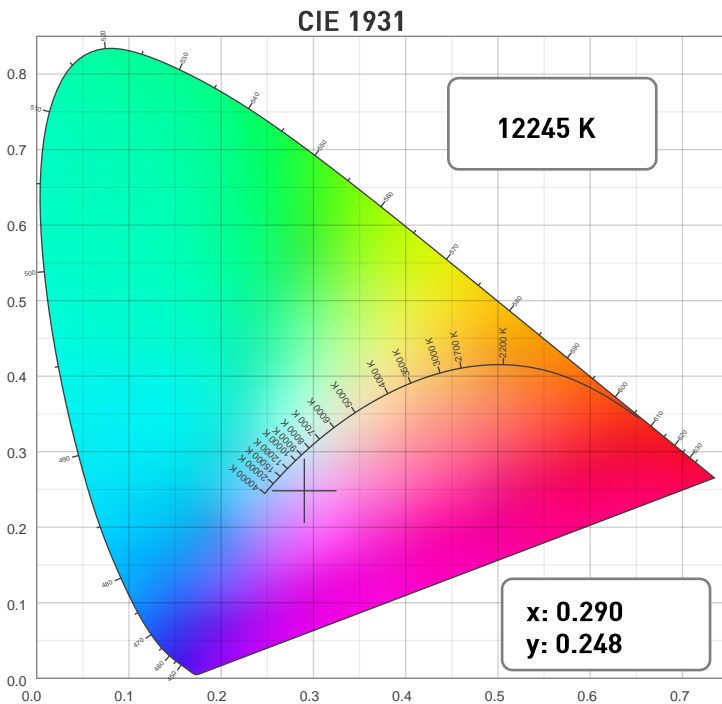
SPECTRAL DISTRIBUTION



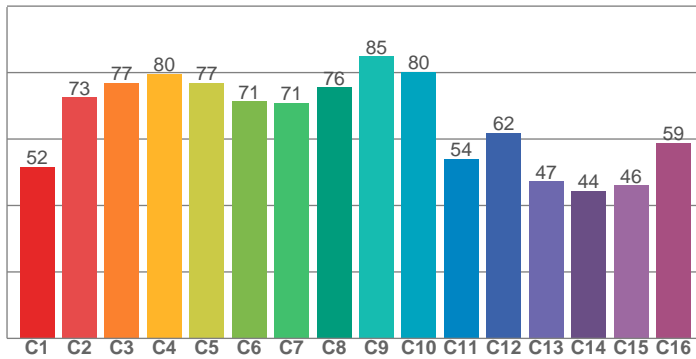
# Photometric Report

MAR-90356995 Exterior Linear 1210 QUAD Graze Asymmetric – Max

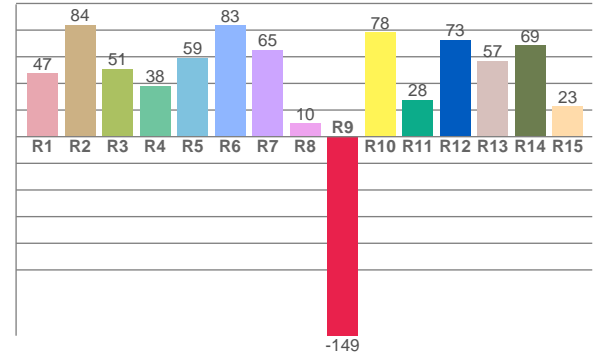
## CHROMATICITY



TM30: 68.6



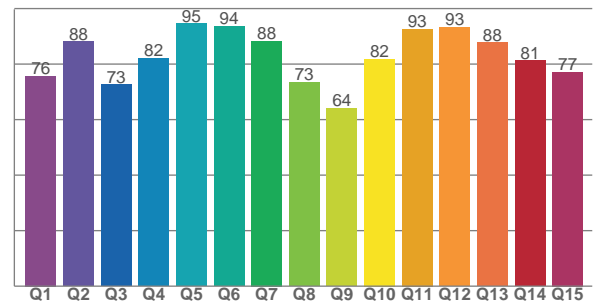
CRI: 54.8 (R1-R8)



## COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
12245 K	54.8	-149.4	68.6	123.6

CQS: 80.9



Television Lighting Consistency Index	Color Quality Scale	Color Coordinate CIE 1931	Color Coordinate CIE 1931	Color Coordinate CIE 1964	Color Coordinate CIE 1964	Color Deviation from Black Body
TLCI	CQS	x	y	u	v	Δuv
75+	80.9	0.290	0.248	0.215	0.276	-0.0311

# Photometric Report

MAR-90356995 Exterior Linear 1210 QUAD Graze Asymmetric – Max

TM30

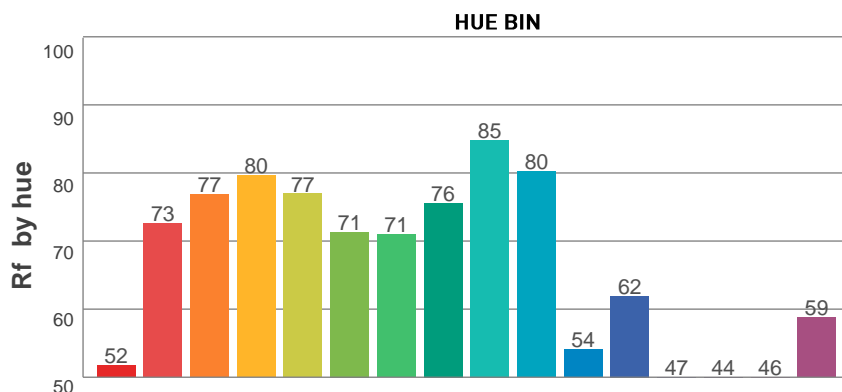
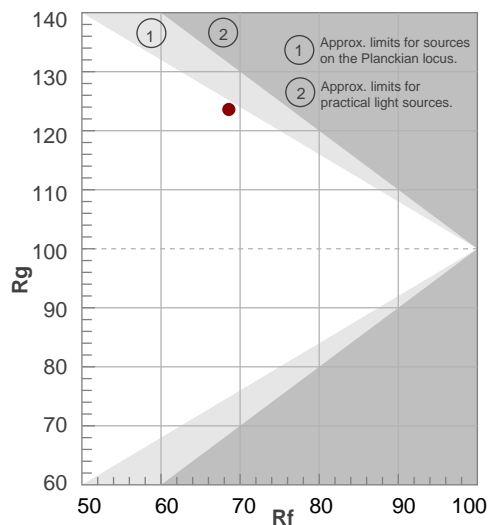
**Rf 68.6**

Fidelity index Rf

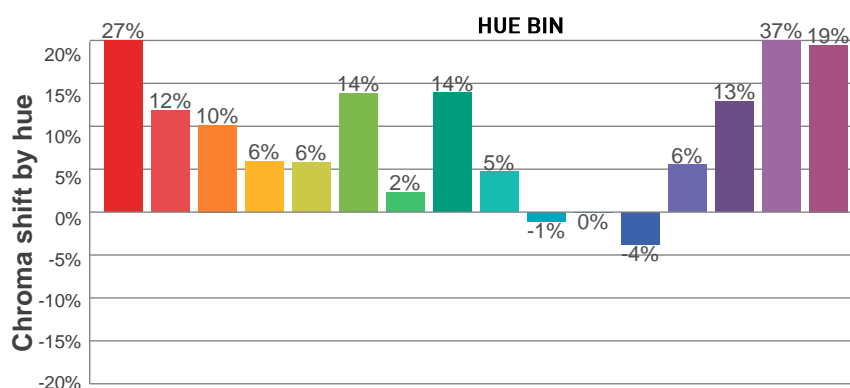
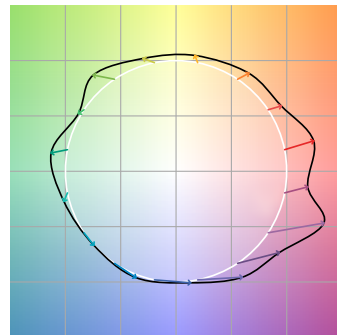
**Rg 123.6**

Gamut index Rg

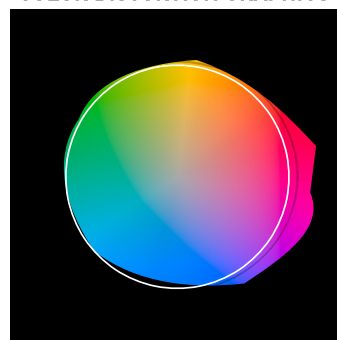
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	52	27%	3%
2	73	12%	-4%
3	77	10%	-5%
4	80	6%	4%
5	77	6%	9%
6	71	14%	14%
7	71	2%	6%
8	76	14%	6%
9	85	5%	7%
10	80	-1%	14%
11	54	0%	23%
12	62	-4%	33%
13	47	6%	40%
14	44	13%	37%
15	46	37%	35%
16	59	19%	9%



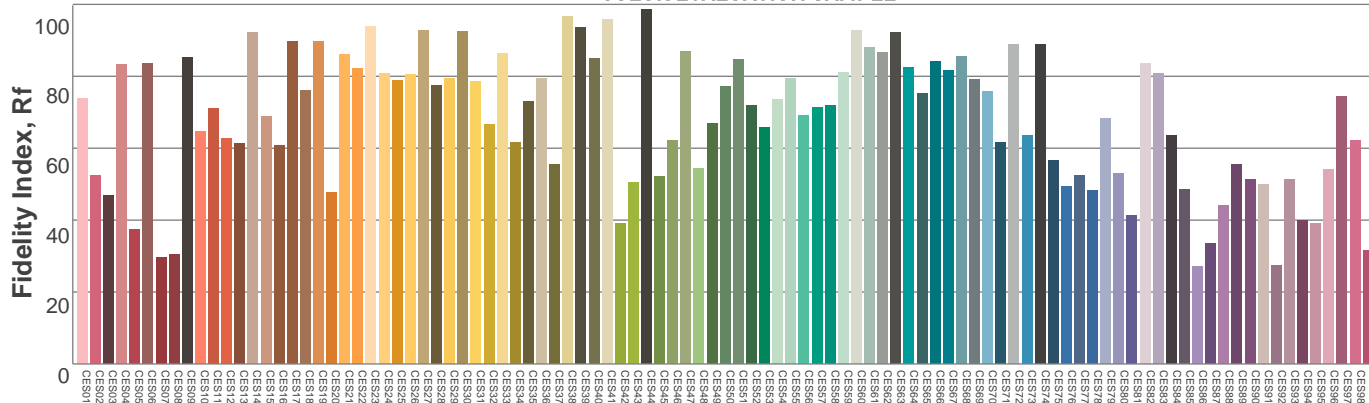
COLOR VECTOR GRAPHICS



COLOR DISTORTION GRAPHICS



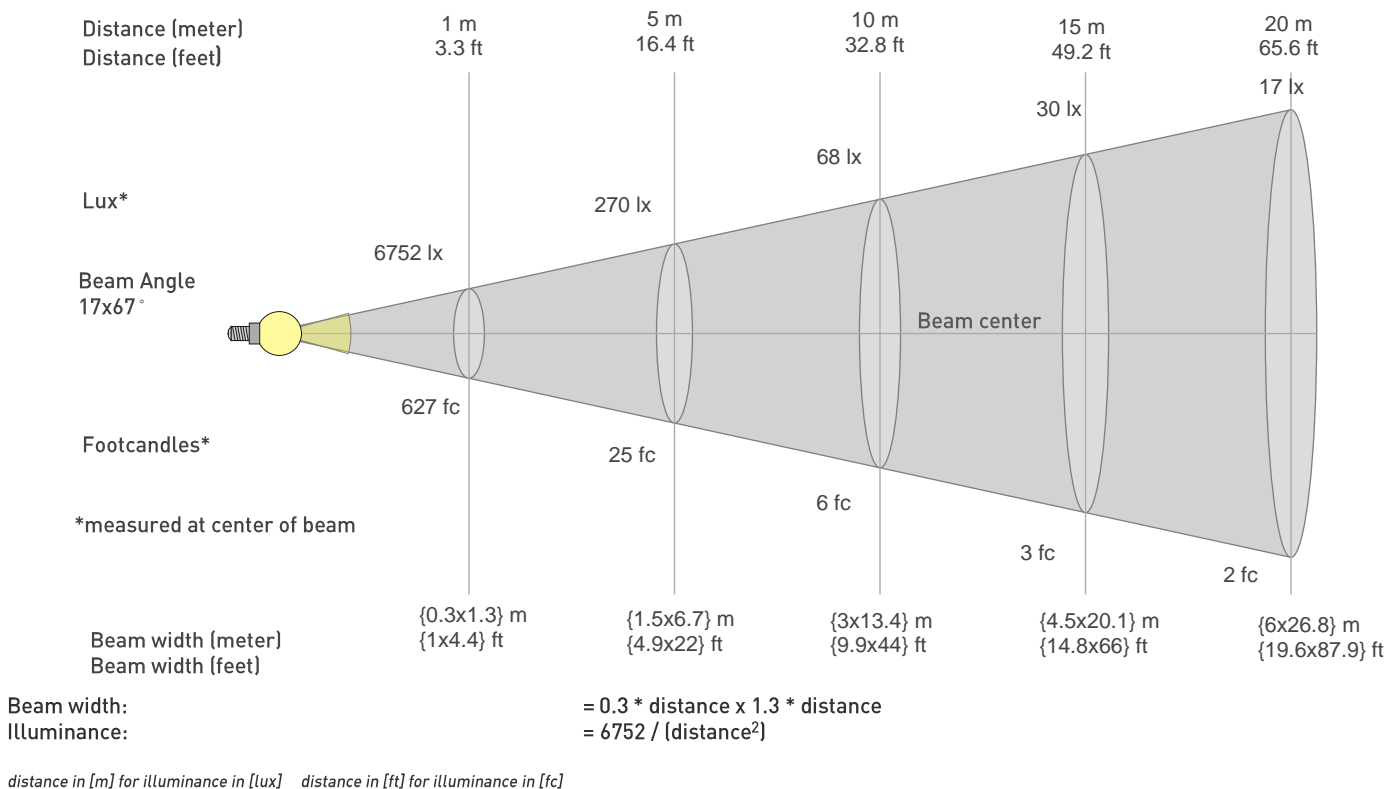
COLOR EVALUATION SAMPLE



# Photometric Report

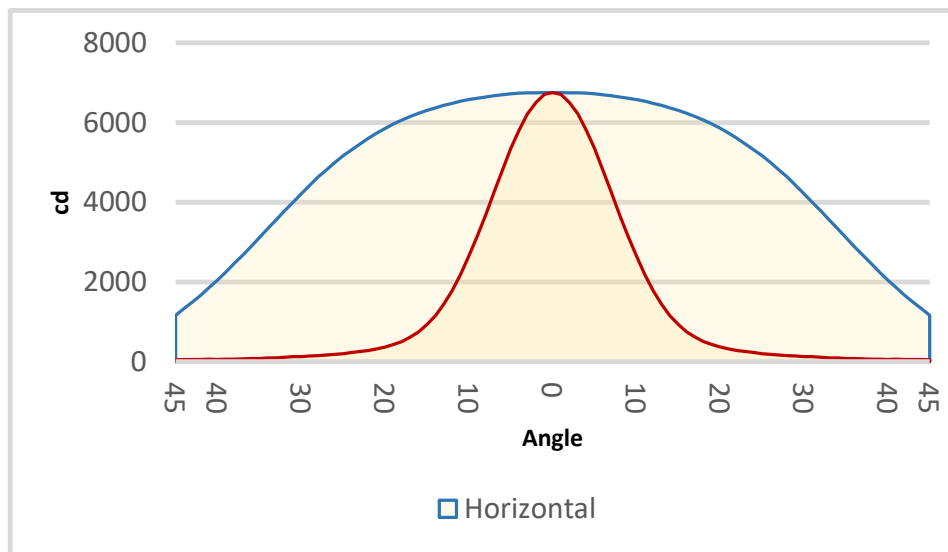
MAR-90356995 Exterior Linear 1210 QUAD Graze Asymmetric – Max

## BEAM DETAILS



## 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
6752lx	1688lx	750lx	422lx	270lx	188lx	138lx	105lx	83lx	68lx	56lx	47lx	40lx	34lx	30lx	26lx	23lx	21lx	19lx	17lx
627.3fc	156.8fc	69.7fc	39.2fc	25.1fc	17.4fc	12.8fc	9.8fc	7.7fc	6.3fc	5.2fc	4.4fc	3.7fc	3.2fc	2.8fc	2.5fc	2.2fc	1.9fc	1.7fc	1.6fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
17x67°	33x98°	54x117°