

# Photometric Report

ELP WW IP – 26 degree

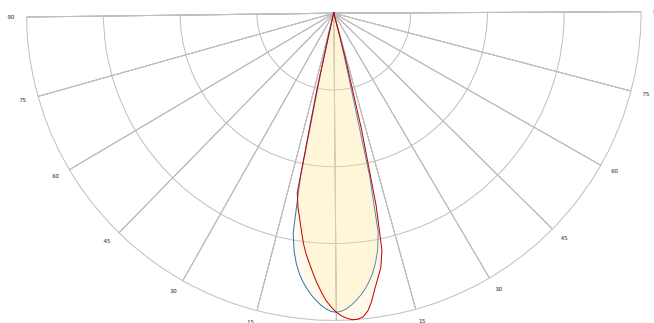
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

## GENERAL SPECIFICATIONS

Total Fixture Output:	7500 lm
Light Engine Output:	16 klm
Efficacy:	28 Lumen/Watt
Lens Option:	26 ° Lens
Zoomrange:	26 °
CRI:	97
CQS:	N/A
TM-30 Rf:	92.1
TM-30 Rg:	100.6
TLCI:	95
Color Temperature:	3000K



## MEASUREMENT



- Vertical - Horizontal

Catalog Number:	9045122813
Measured Output:	7923 lm
Measured Peak:	60729 cd
Consumed Power:	250 W
Efficacy:	31.7 Lm/Watt

Beam Angle (50%):	24.7 °
Field Angle (10%):	27.7 °
Cutoff Angle (3%):	29 °

Measurement Condition:	
Ambient Temperature:	25 ° +/- 5 ° C
AC Supply:	230V/50Hz

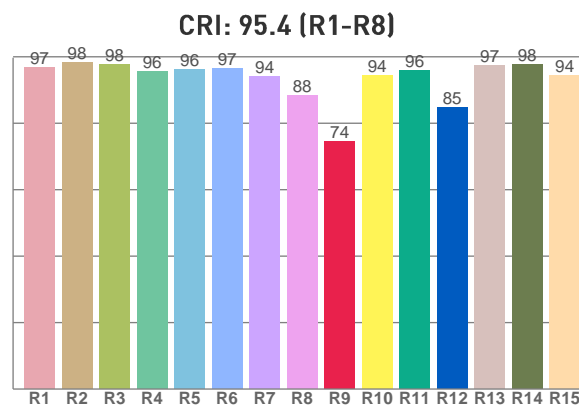
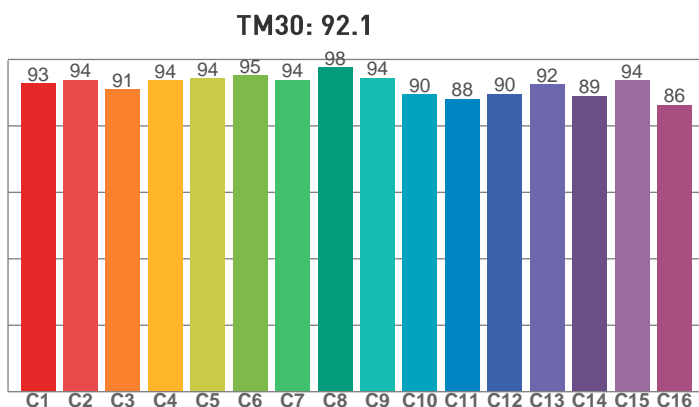
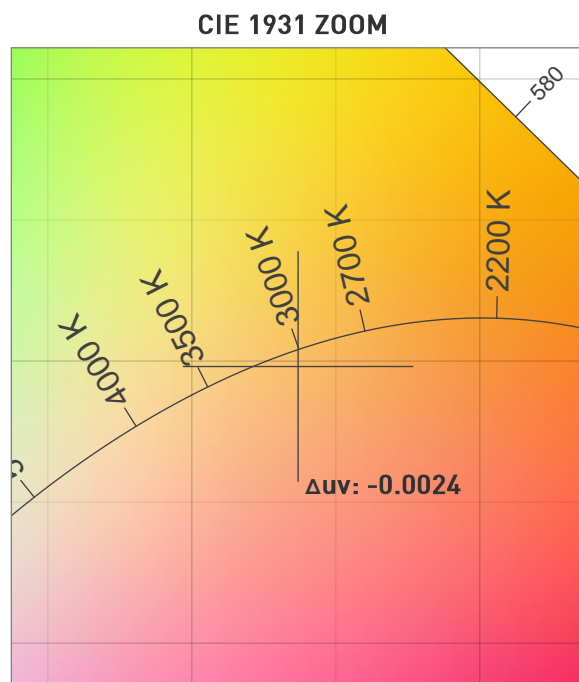
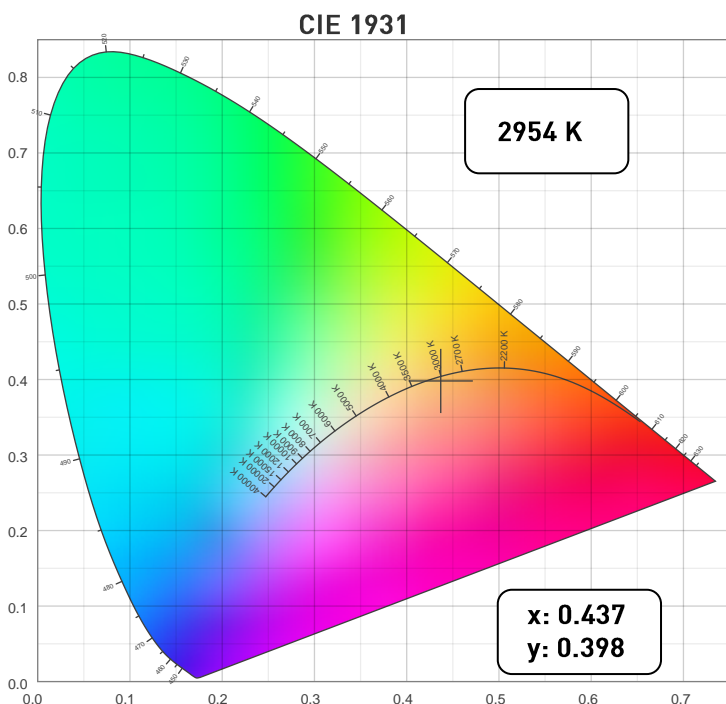
SPECTRAL DISTRIBUTION



# Photometric Report

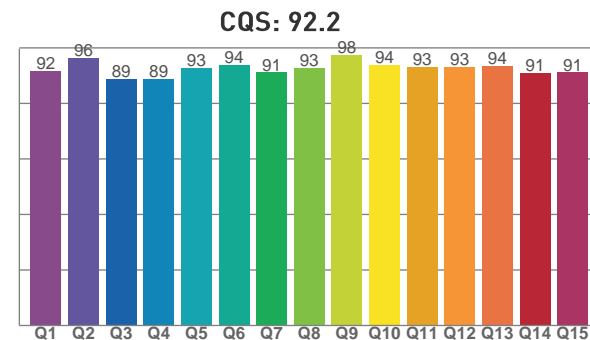
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## CHROMATICITY



## COLOR PARAMETERS

Color Temperature	Color Rendering Index	Red Component	Color Fidelity	Color Gamut
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
2954 K	95.4	74.5	92.1	100.6



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
95	92.2	0.437	0.398	0.253	0.346	-0.0024

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TM30

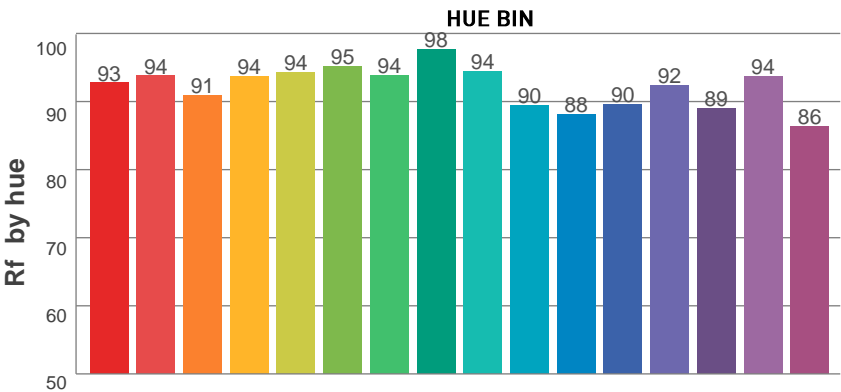
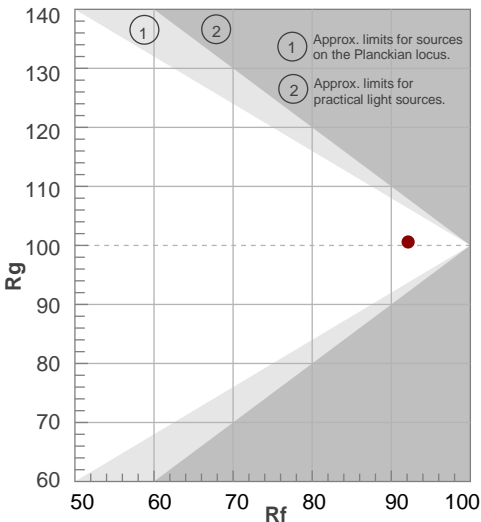
Rf 92.1

Fidelity index Rf

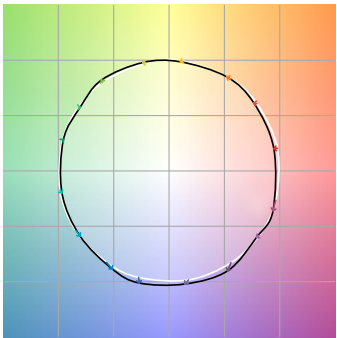
Rg 100.6

Gamut index Rg

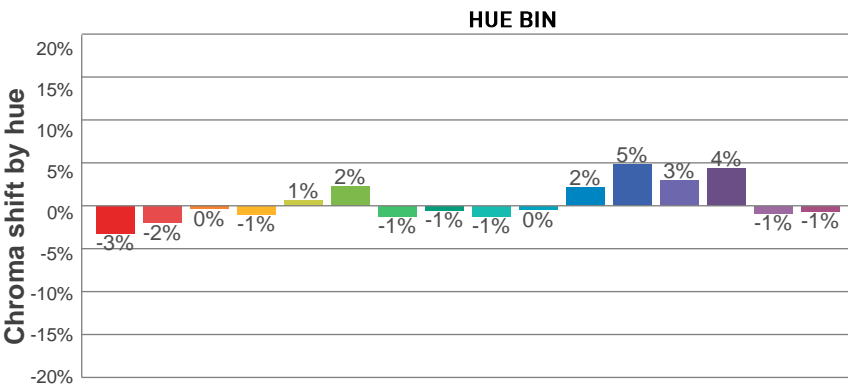
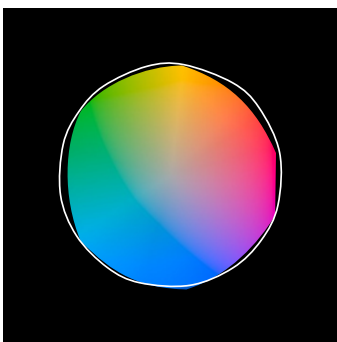
Hue Bin	R <sub>f</sub>	Graphic shifts (%)	
		Chroma	Hue
1	93	-3%	0%
2	94	-2%	2%
3	91	0%	4%
4	94	-1%	1%
5	94	1%	2%
6	95	2%	0%
7	94	-1%	-1%
8	98	-1%	-1%
9	94	-1%	3%
10	90	0%	6%
11	88	2%	8%
12	90	5%	1%
13	92	3%	-4%
14	89	4%	-6%
15	94	-1%	-3%
16	86	-1%	-10%



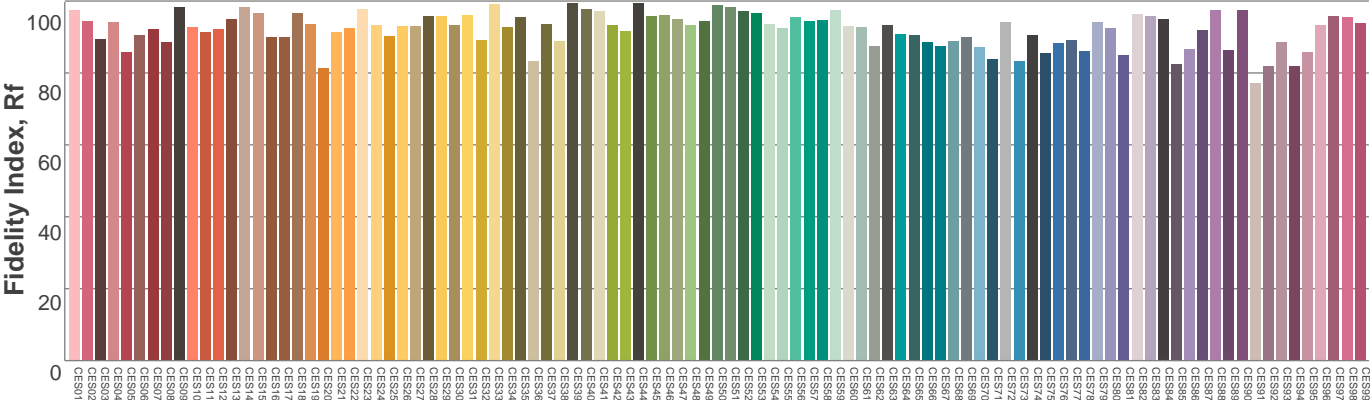
COLOR VECTOR GRAPHICS



COLOR DISTORTION GRAPHICS



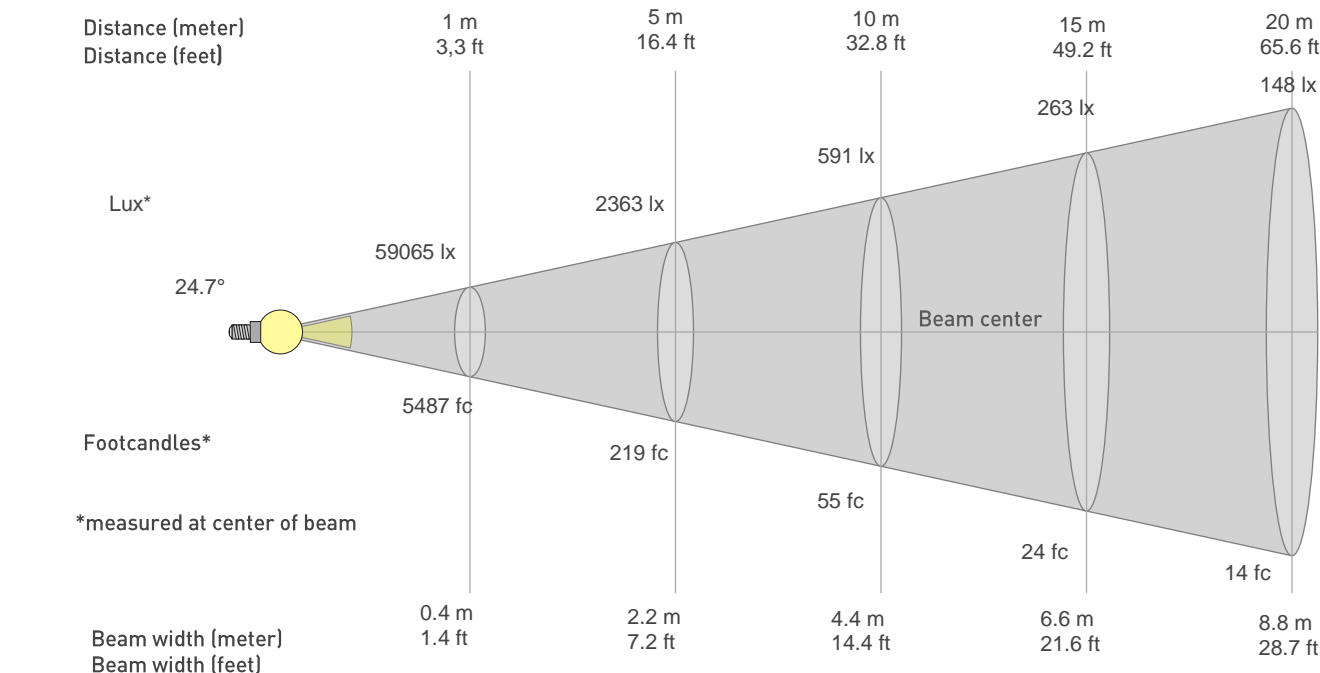
COLOR EVALUATION SAMPLE



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## BEAM DETAILS

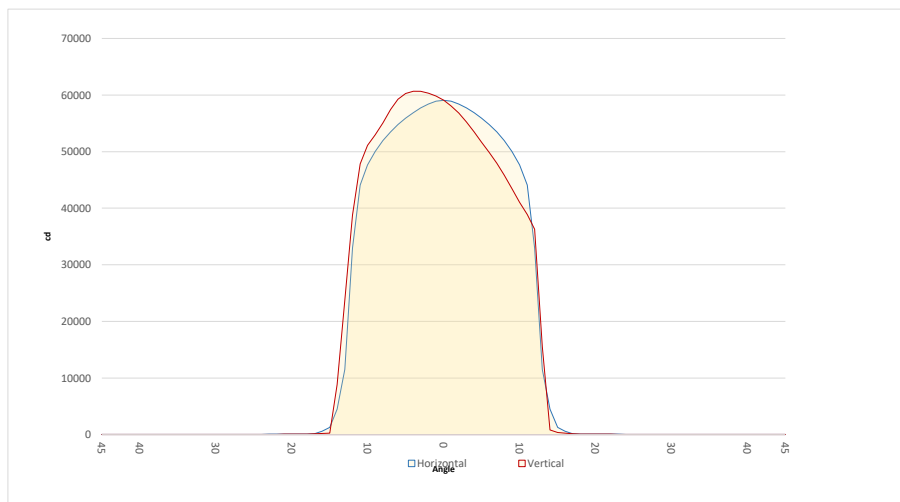


Beam width: = 0.4 \* distance  
Illuminance: = 59065 / (distance<sup>2</sup>)

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
59065lx	14766lx	6563lx	3692lx	2363lx	1641lx	1205lx	923lx	729lx	591lx	488lx	410lx	349lx	301lx	263lx	231lx	204lx	182lx	164lx	148lx
5487.4fc	1371.8fc	609.7fc	343fc	219.5fc	152.4fc	112fc	85.7fc	67.7fc	54.9fc	45.4fc	38.1fc	32.5fc	28fc	24.4fc	21.4fc	19fc	16.9fc	15.2fc	13.7fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
24.7°	27.7°	29°