

Photometric Report

ELP-WW — 26 DEGREE

SPEC SHEET

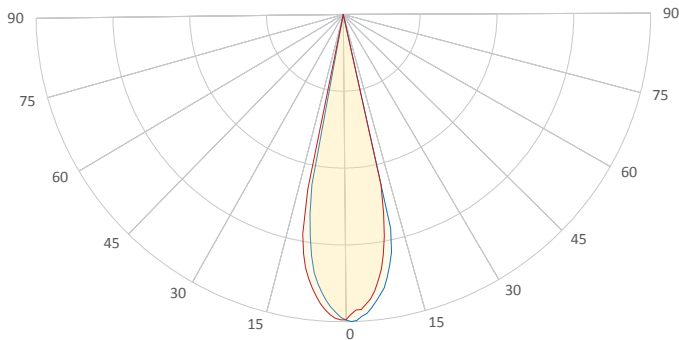
MARTIN PROFESSIONAL R&D OPTICAL LABORATORY

GENERAL SPECIFICATIONS



Total Fixture Output: 7000 lm
Light Engine Output: 16 klm
Efficacy: 28 Lumen/Watt
Lens Option: 26° Lens
Zoomrange: 26°
CRI: 97
CQS: N/A
TM-30 Rf: 93.3
TM-30 Rg: 101.3
TLCI: 96
Color Temperature: 3000 K

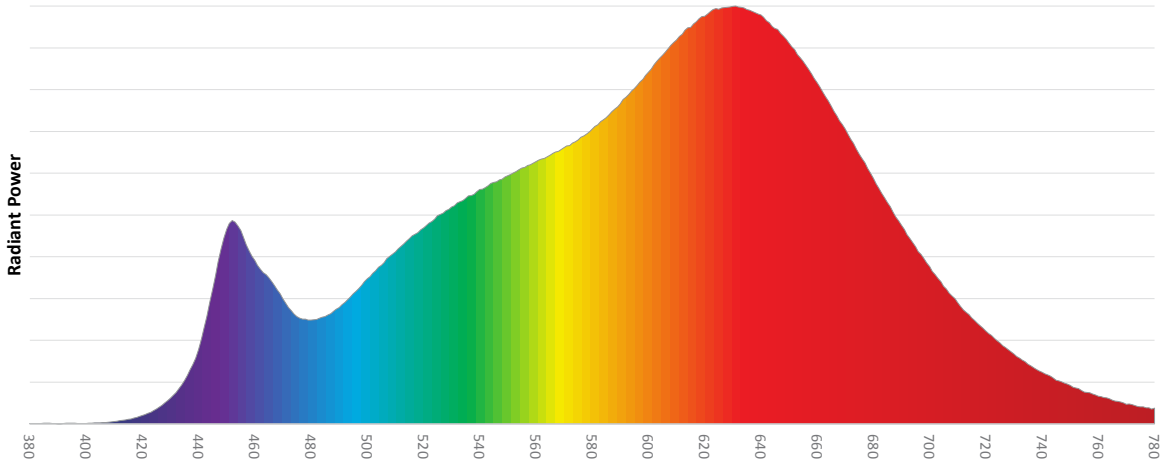
MEASUREMENT



- Vertical - Horizontal

Catalog Number: 9045107781
Measured Output: 6590 lm
Measured Peak: 58114 cd
Consumed Power: 240 W
Efficacy: 27.5 Lumen/Watt
Beam Angle (50%): 23.8°
Field Angle (10%): 25.2°
Cutoff Angle (3%): 25.4°
Measurement Condition:
Ambient Temperature: 25 +/- 5C
AC Supply: 230V/50Hz

SPECTRAL DISTRIBUTION

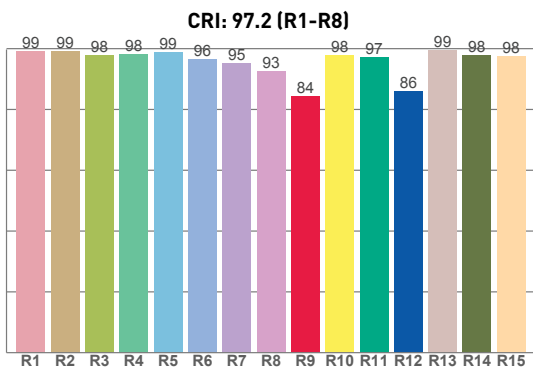
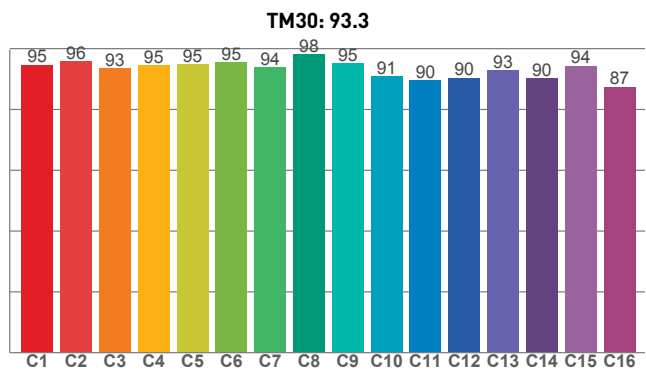
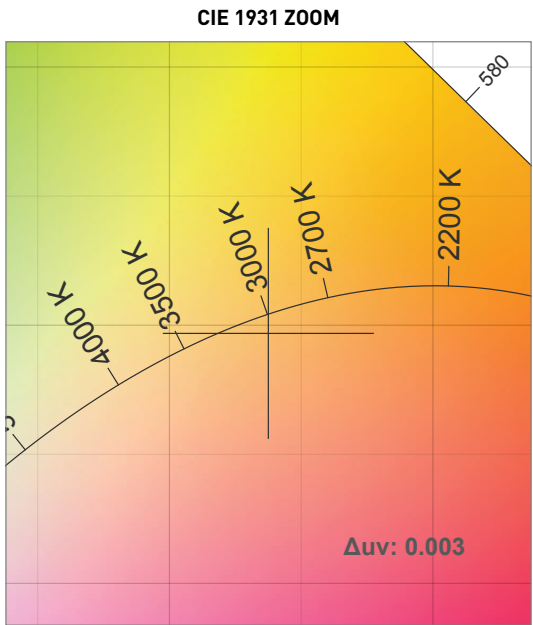
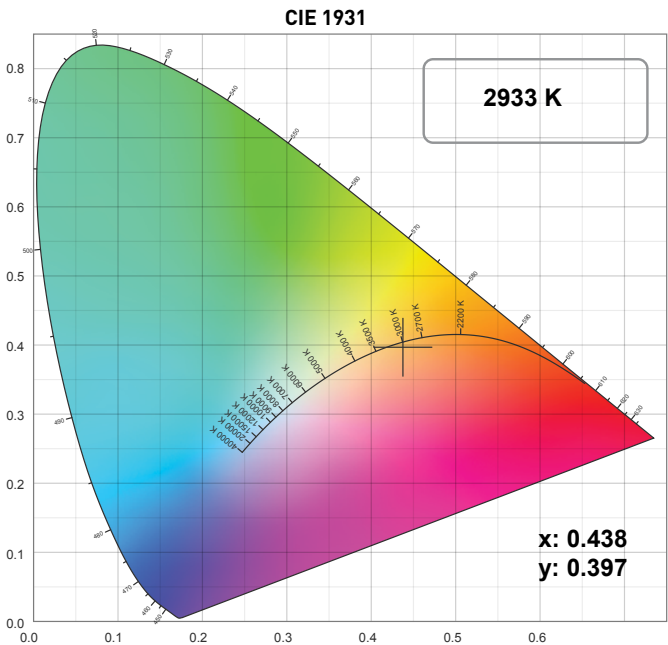


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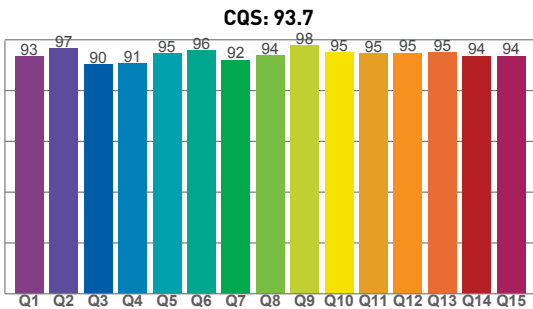
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CHROMATICITY



COLOR PARAMETERS

COLOR TEMPERATURE	COLOR RENDERING INDEX	RED COMPONENT	COLOR FIDELITY	COLOR GAMUT
CCT	CRI	CRI R9	TM30 Rf	TM30 Rg
2933 K	97.2	84.4	93.3	101.3



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
96	93.7	0.438	0.397	0.254	0.346	0.003

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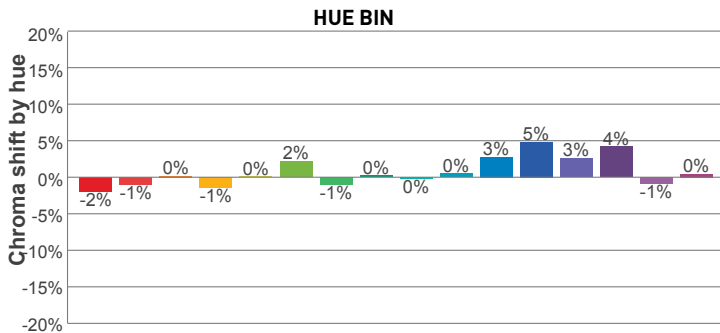
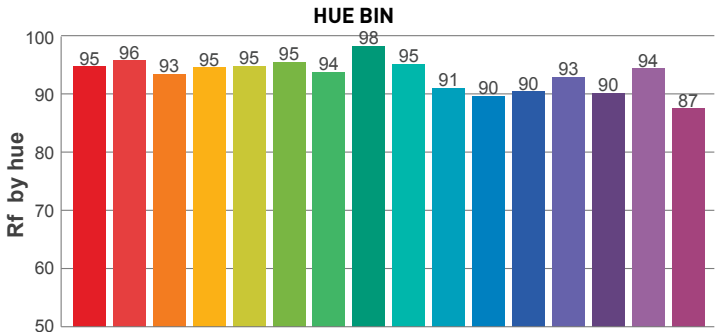
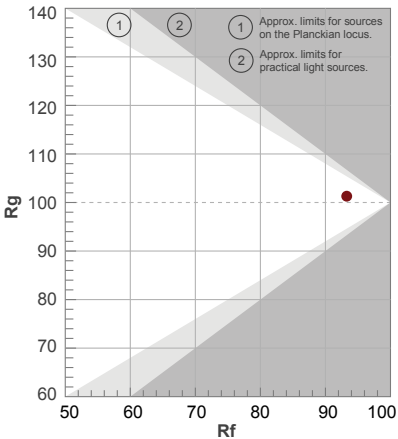
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TM30

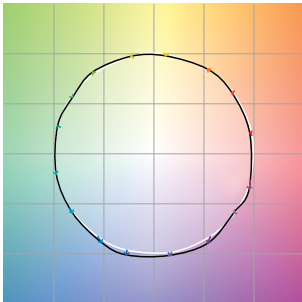
Rf 93.3
Fidelity index Rf

Rg 101.3
Gamut index Rg

Hue Bin	Rf	Graphic shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	96	-1%	1%
3	93	0%	3%
4	95	-1%	0%
5	95	0%	2%
6	95	2%	0%
7	94	-1%	0%
8	98	0%	0%
9	95	0%	3%
10	91	0%	5%
11	90	3%	6%
12	90	5%	1%
13	93	3%	-4%
14	90	4%	-6%
15	94	-1%	-2%
16	87	0%	-9%



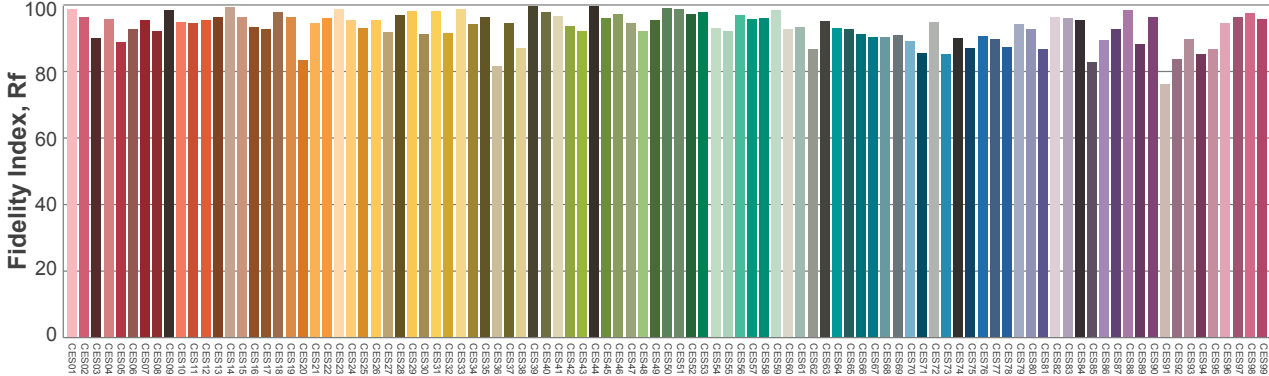
COLOR VECTOR GRAPHICS



COLOR DISTORTION GRAPHICS



COLOR EVALUATION SAMPLE

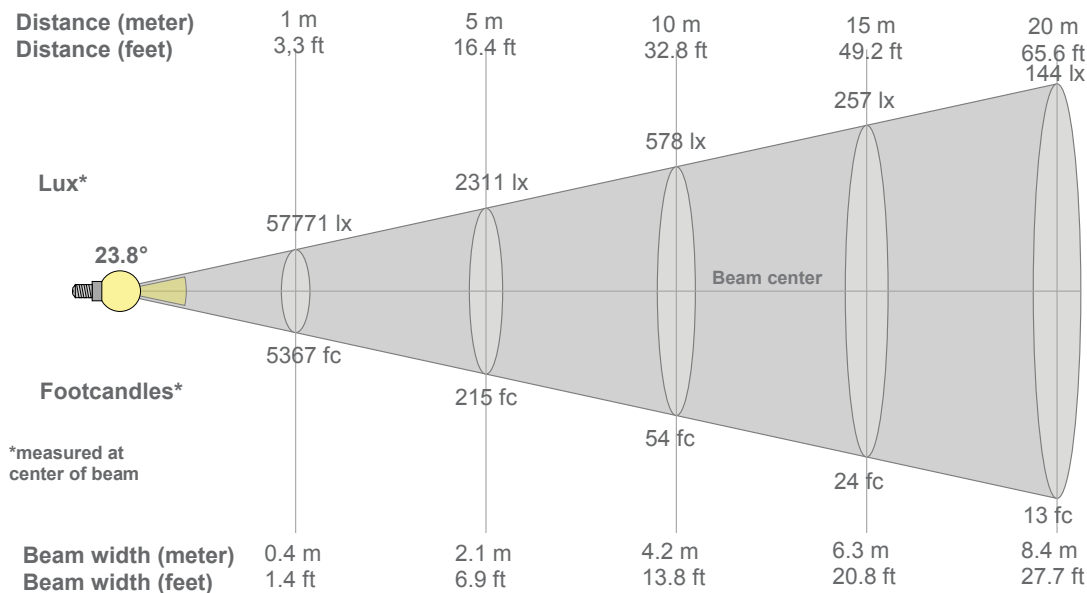


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BEAM DETAILS

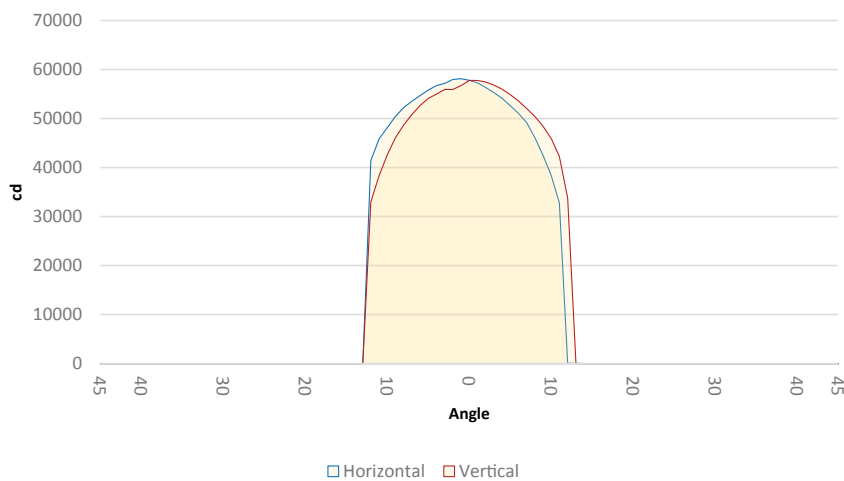


Beam width:
Beam luminous intensity formula:

$w = 0.4 \times \text{distance}$
 $\text{lux} = 57771 / (\text{distance}^2)$ (where distance is in meters)
 $\text{fc} = 57771 / (\text{distance}^2)$ (where distance is in feet)

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
57771lx	14443lx	6419lx	3611lx	2311lx	1605lx	1179lx	903lx	713lx	578lx	477lx	401lx	342lx	295lx	257lx	226lx	200lx	178lx	160lx	144lx
5367.1fc	1341.8fc	596.3fc	335.4fc	214.7fc	149.1fc	109.5fc	83.9fc	66.3fc	53.7fc	44.4fc	37.3fc	31.8fc	27.4fc	23.9fc	21fc	18.6fc	16.6fc	14.9fc	13.4fc



BEAM ANGLE 50%	FIELD ANGLE 10%	CUTOFF ANGLE 3%
23.8°	25.2°	25.4°