



Light Characterisation Report

Astro Slice Uplighter

Project No: P4428
Customer: Astro
Report No: P4428-LCR-01
Issue: 01
Engineer: Michelle Mayes
Approved:
Date: 12/11/2014

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Summary

Date of Test	07/07/2014
Project Number	P4428
Client	Astro
Product Description	Slice Uplighter
Product LED Type	CN35L NUV
Product LED Bin	Samsung LM561A
Measuring Distance (m)	4.56
Tamb	23C 48%RH
Additional Comments	

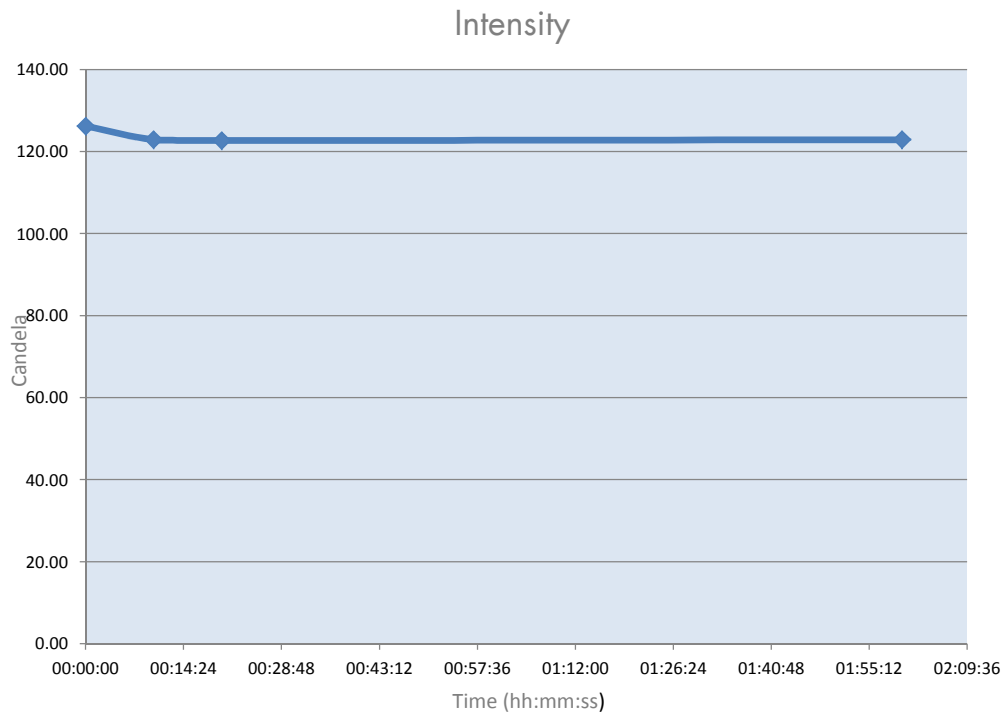
Peak on axis intensity	126.22 candela	Chromaticity x	0.4559
Stabalised on axis intensity	122.89 candela	Chromaticity y	0.4048
Temperature Ratio	97.36%	CCT	2711K

Luminous Intensity Distribution Scan 1

		0° Rotation	90° Rotation
Total Downward Luminous Flux	325.10 lumens	Beam FWHM (50%) 110	111.5
Total Upward Luminous Flux	0.00 lumens	Beam FULL (10%) 154	151
Average Total Luminous Flux	325.10 lumens	Scan Comments	
Downward Flux Fraction	100.00%		

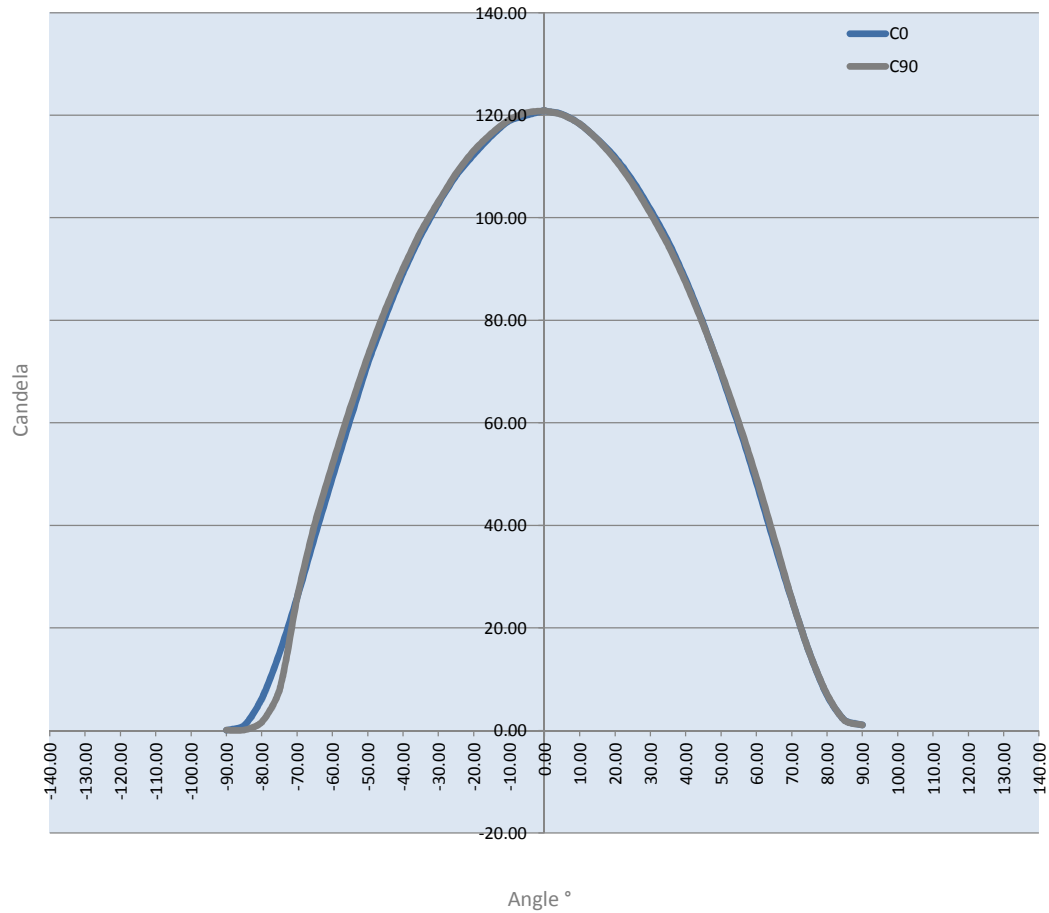
Supply Voltage	230 Volts		
Supply Current	0.041 Amps	Average Total Luminous Flux	Efficacy 68.95 lm/W
Supply Power	4.72 Watts	Perceived Downward Luminous Flux	68.95 lm/W
Power Factor	0.50		

Intensity Data



Average Luminous Flux Data

Luminous Intensity Distribution



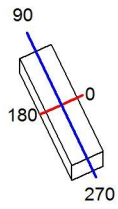
Perceived Downward Angle	90°
Total Downward Luminous Flux	325.10 lumens
Total Upward Luminous Flux	0.00 lumens
Average Total Luminous Flux	325.10 lumens
Downward Flux Fraction	100.00%

	0° Rotation	90° Rotation
Beam FWHM (50%)	110	111.5
Beam FULL (10%)	154	151

Scan Comments

Polar Diagram

420mm x 120mm



C Halfplanes

180.0 — 0.0

270.0 — 90.0

Flux 325.28 lm

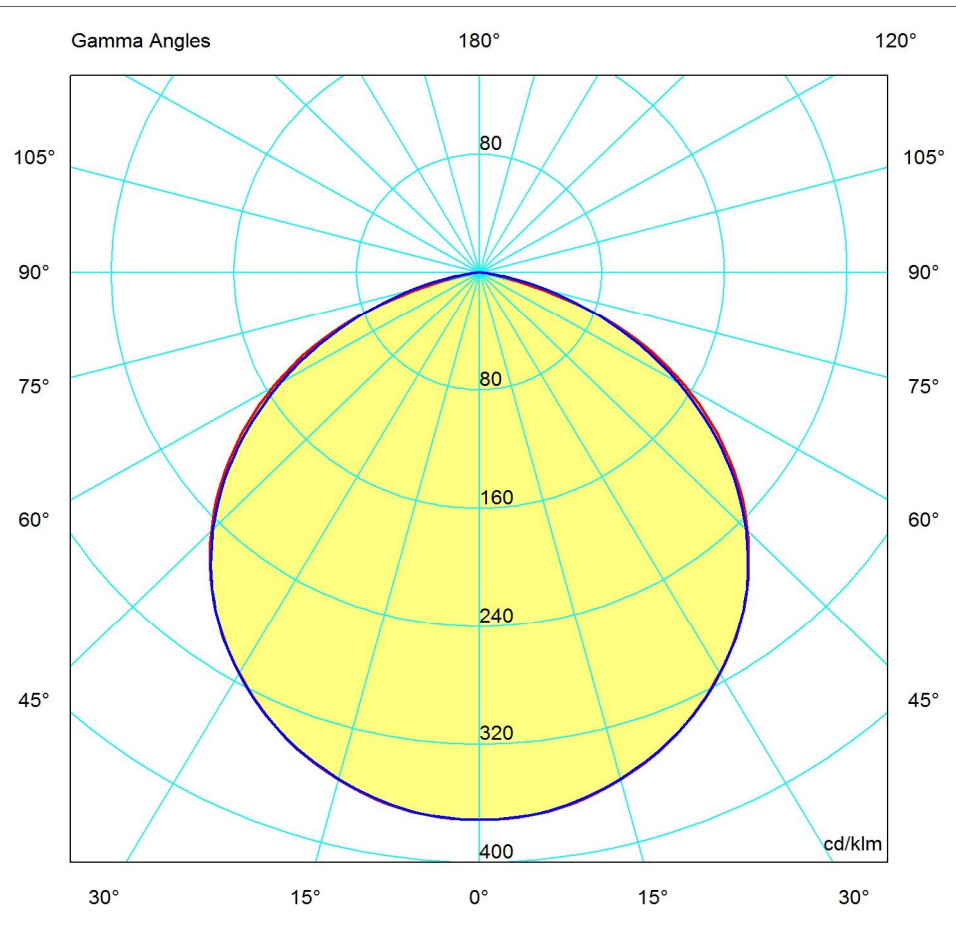
Maximum 371.03 cd/klm

Position C=0.00 G=0.00

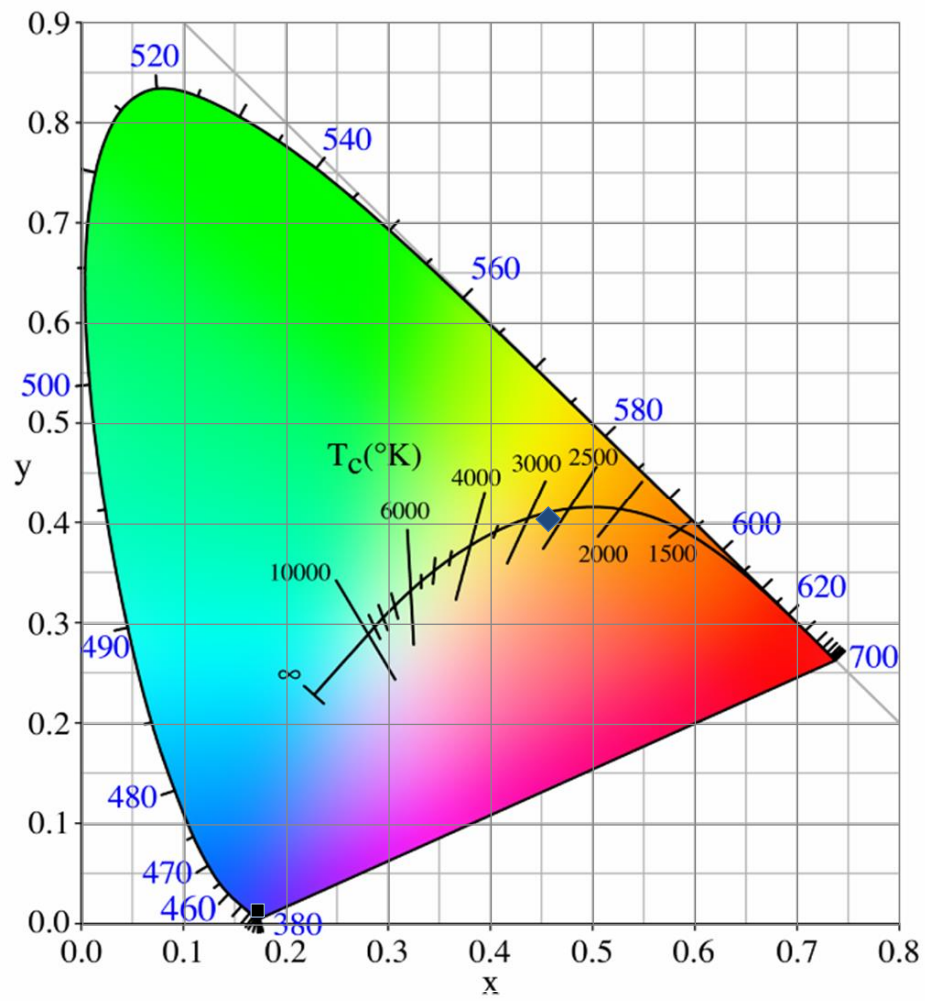
Efficiency: 100.00%

Date: 08-07-2014

Double Symmetrical



Chromaticity



Efficacy

Input Voltage 230 V

Input Current 0.041 A

Total power 4.72 W

Power Factor 0.50

LED Vf Not measured

LED If Not measured

Driver efficiency N/A

Average Total Luminous Flux 325 lm

Efficacy 69 lm/W

Perceived Downward Luminous Flux 325 lm

Efficacy 68.95 lm/W

Product Photographs

