Photometric Report
ERA300 @ Medium

Martin Professional R&D Optical Laboratory

General Specifications:

Typical Max. Fixture Output: 9500 lm
Typical Max. Peak: 150 kcd
Typical Max. Efficacy: 30 lumen/watt
Beam Configuration: N/A
CRI: 74
Color Temperature: 6500 K

Measurement

Catalog Number: 9025109547
Measured Output: 9107 lm
Measured Peak: 150822 cd
Consumed Power: 314 W
Efficacy: 29.0 lm/watt
Beam Angle (50%): 17.5°/18°
Field Angle (10%): 19.8°/19.6°
Cuttoff Angle (3%): 20.7°/19.9°
Measurement Condition: Ambient Temperature: 25 +/- 5 °C
AC Supply: 230V/50Hz

Spectral distribution
Calculation of beam diameter and luminous intensity

Half-peak diameter

\[ \text{Beam width (meter)} = 0.3 \times \text{distance} \]

Illuminance

\[ \text{Illuminance} = \frac{150797}{\text{distance}^2} \]

*measured at center of beam

Measurements are performed according to CIE S:025 / EN13032-4.