

Boyd Lighting
Loop
Photometry Results
5/29/2022

Loop – General Simulation Setup

Luminaire

C-10730 Loop Pendant 60in

Lamp

MetroSpec, Nichia NF2W757GT-MT-2700K (96 LEDs)

153lm/W, 5508 total initial lumens

36 input watts

Materials

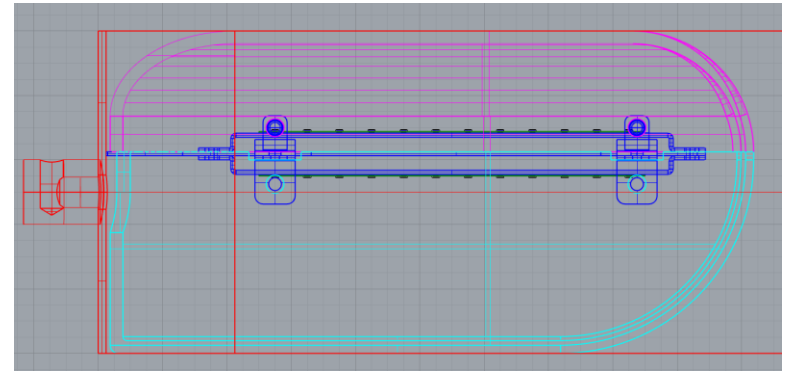
Housing/endcaps – brass (37% reflectance)

Internal brackets – white paint (86% reflectance)

PCB – white PCB (76% reflectance)

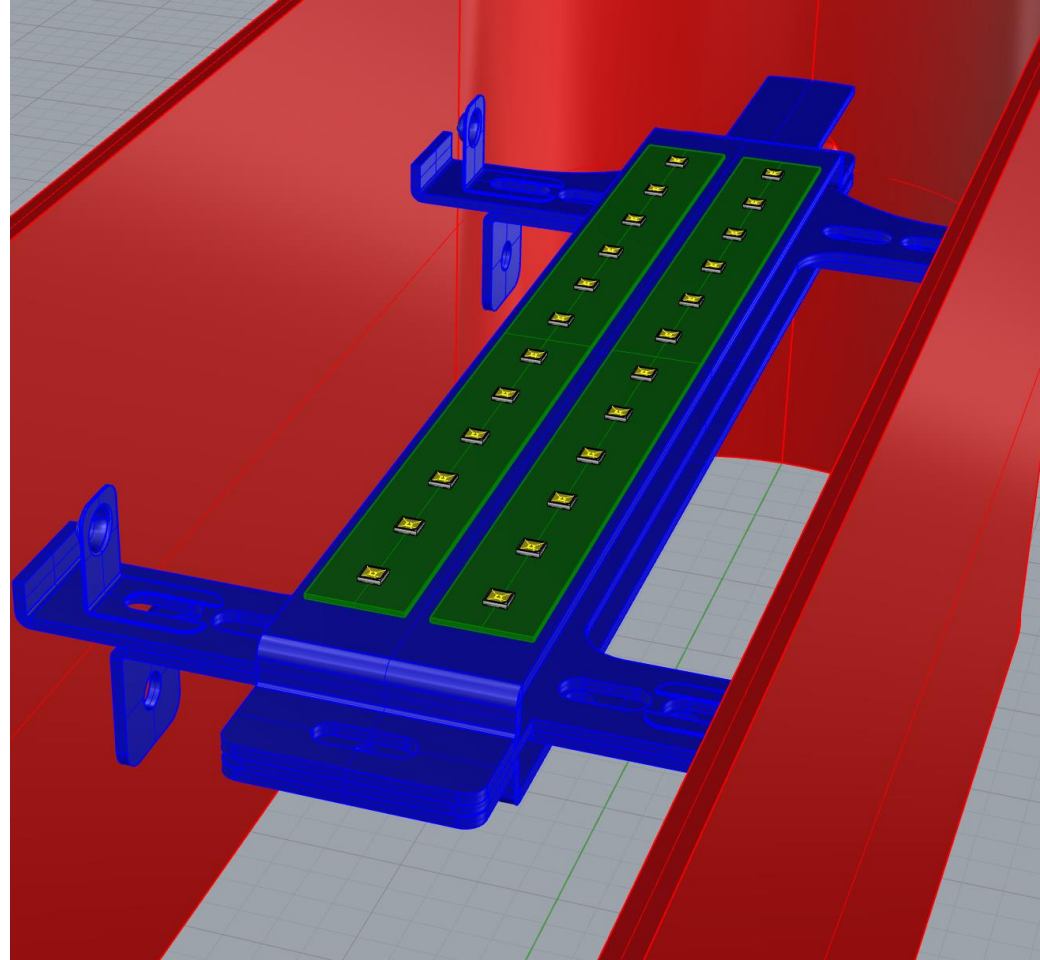
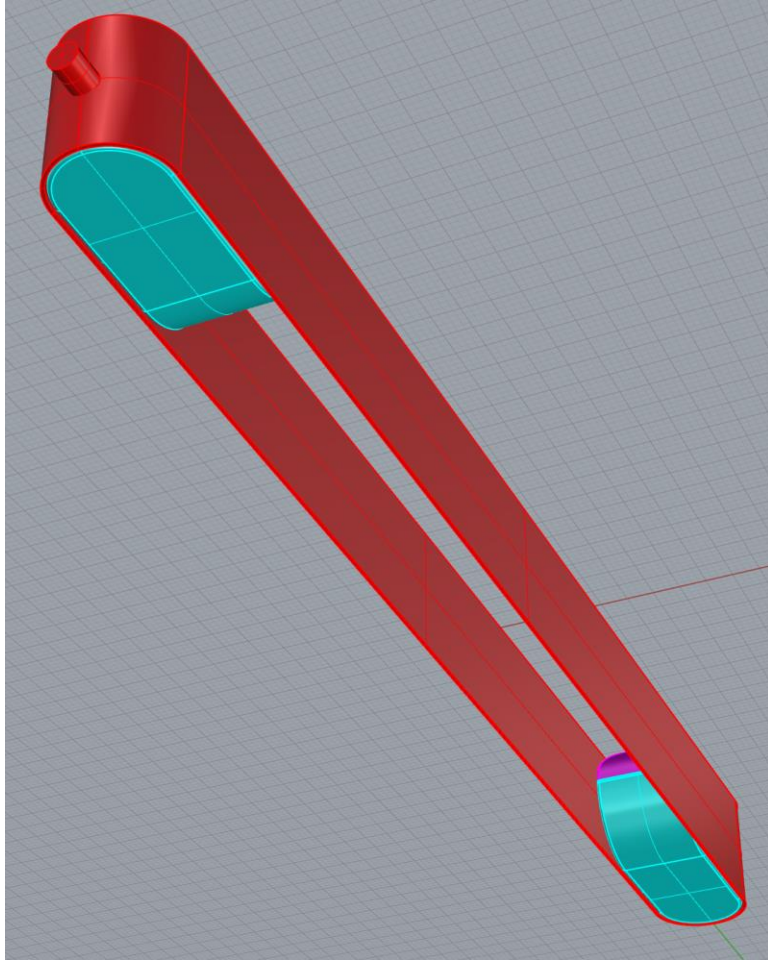
Lens – Rotuba Opal white (40% transmissive)

Note – stem mounts and ceiling plate were not included with photometry per industry standards

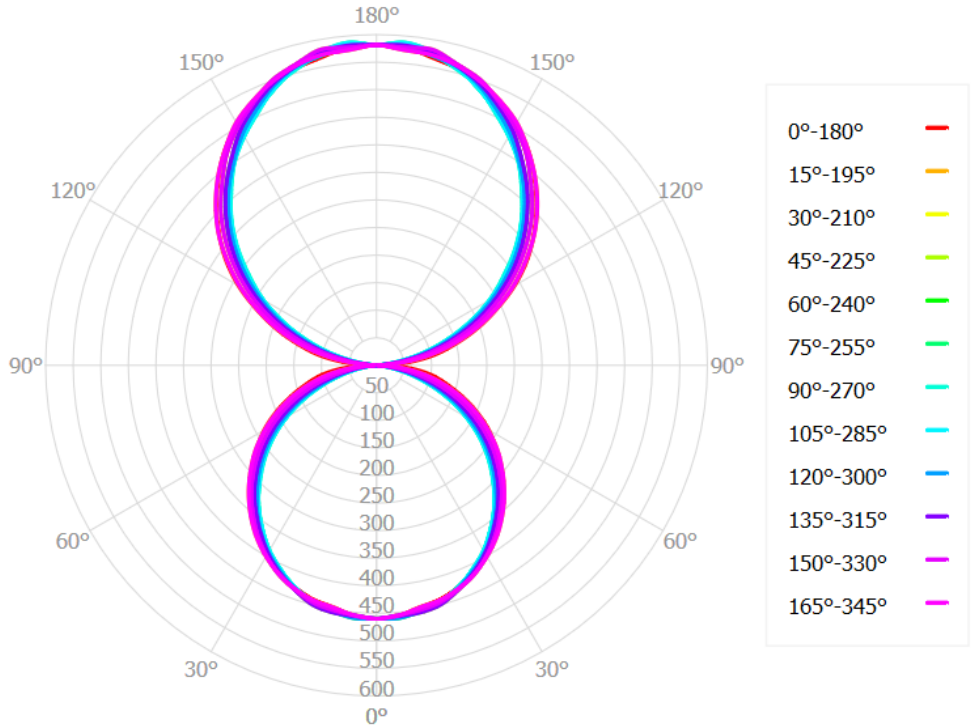


Side View (zoomed in on one end)

CAD Views



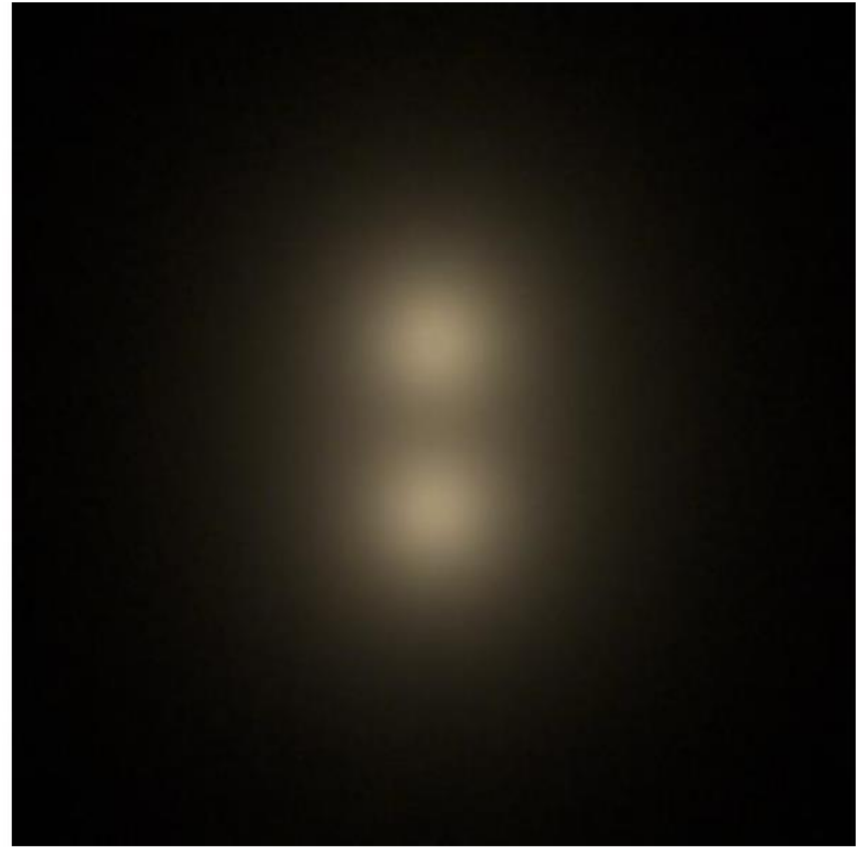
Photometric Results

Input Lumens	5508lm
Output Lumens	3014lm
Optical Efficiency	54.72%
Efficacy	83.7lm/W
Candela Polar Plot	

Illuminance Plane



20' x 20', 8' below luminaire



20' x 20', 2' above luminaire