

Boyd Lighting
Branch
Photometry Results
4/21/2023

Branch – General Simulation Setup

Luminaire

C-10748 Branch Pendant 7'

Lamp

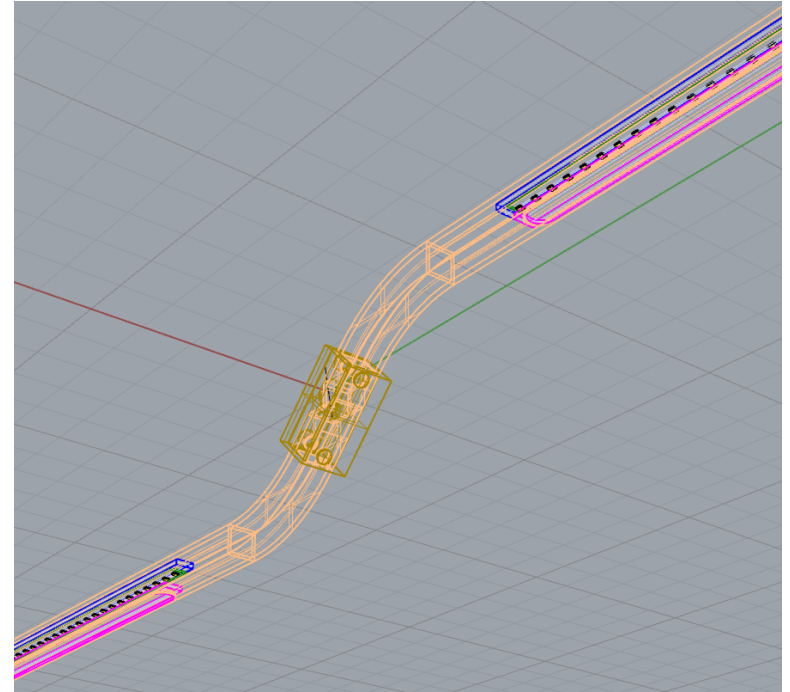
MetroSpec, Nichia NFSL757GT-V1-2700K (182 LEDs)
153lm/W, 5121.54 total initial lumens
33.3 input watts

Materials

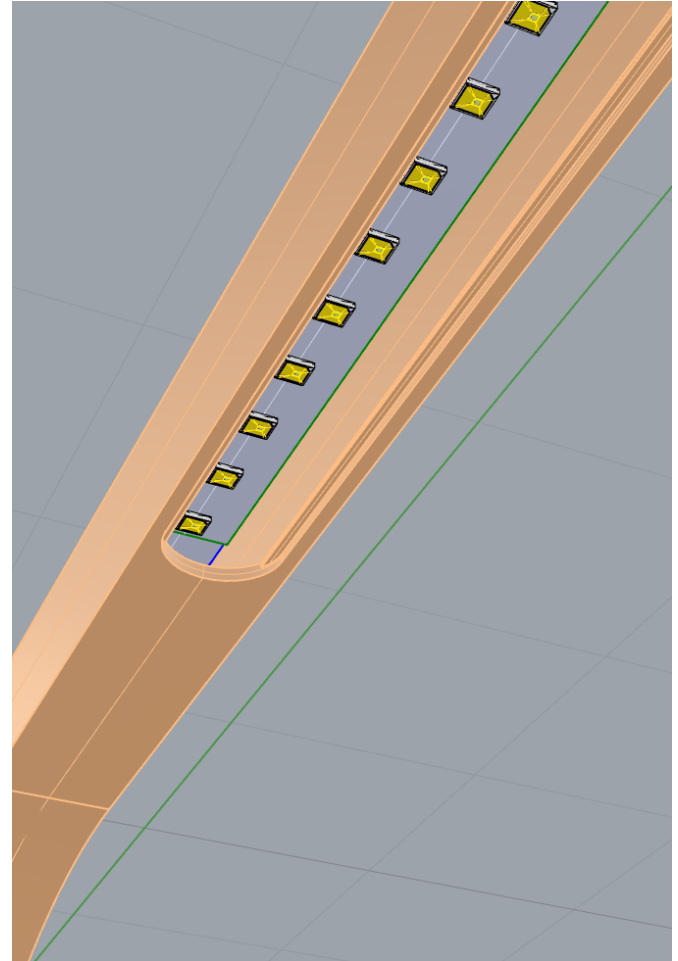
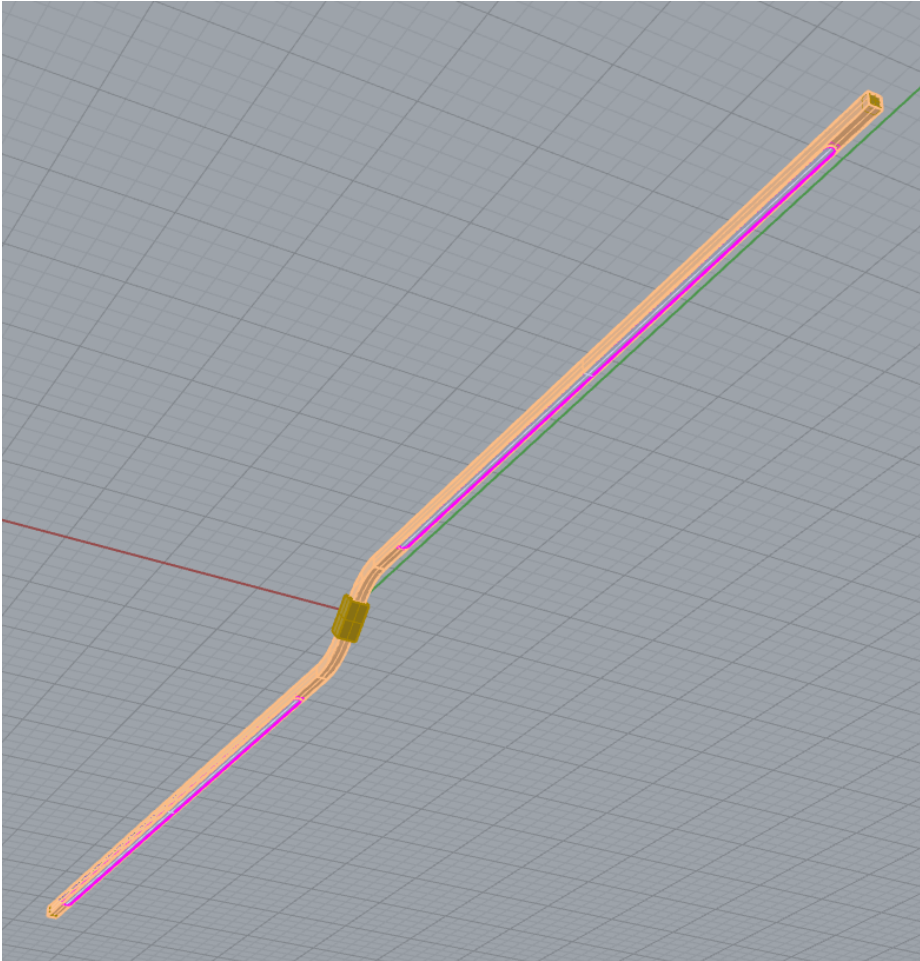
Housing/endcaps – brass (37% reflectance)
PCB – white PCB (76% reflectance)

Lens – Rohm & Haas W-2447, originally 55% transmissive,
scaled down to 50% transmissive (estimated model)

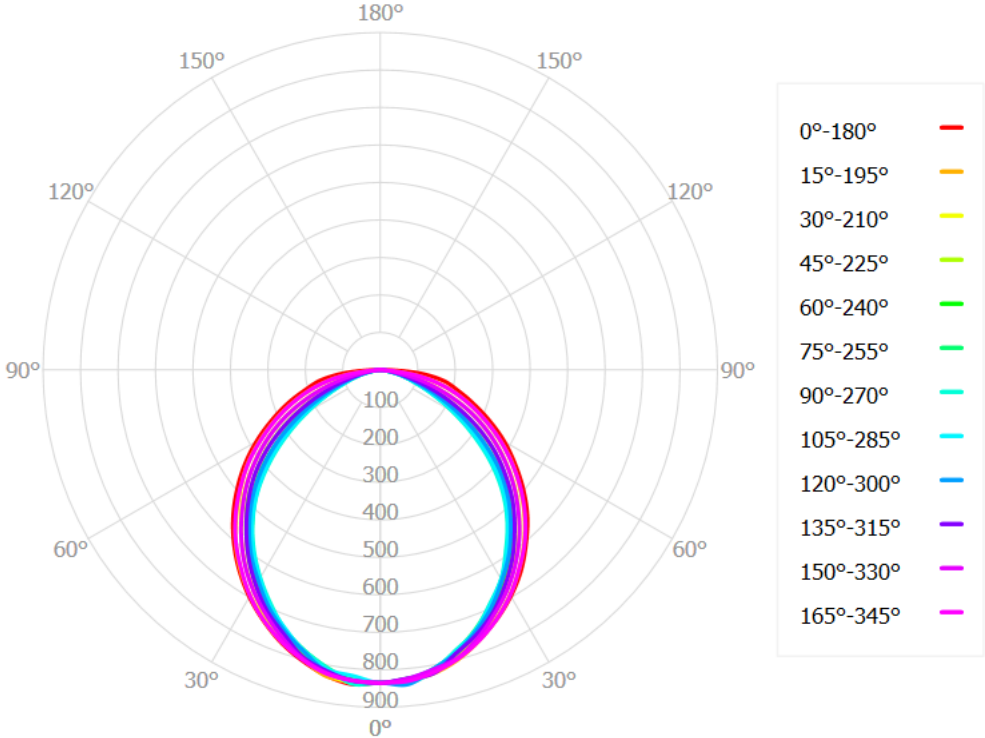
*Note – stem mounts and ceiling plate were not included with
photometry per industry standards*



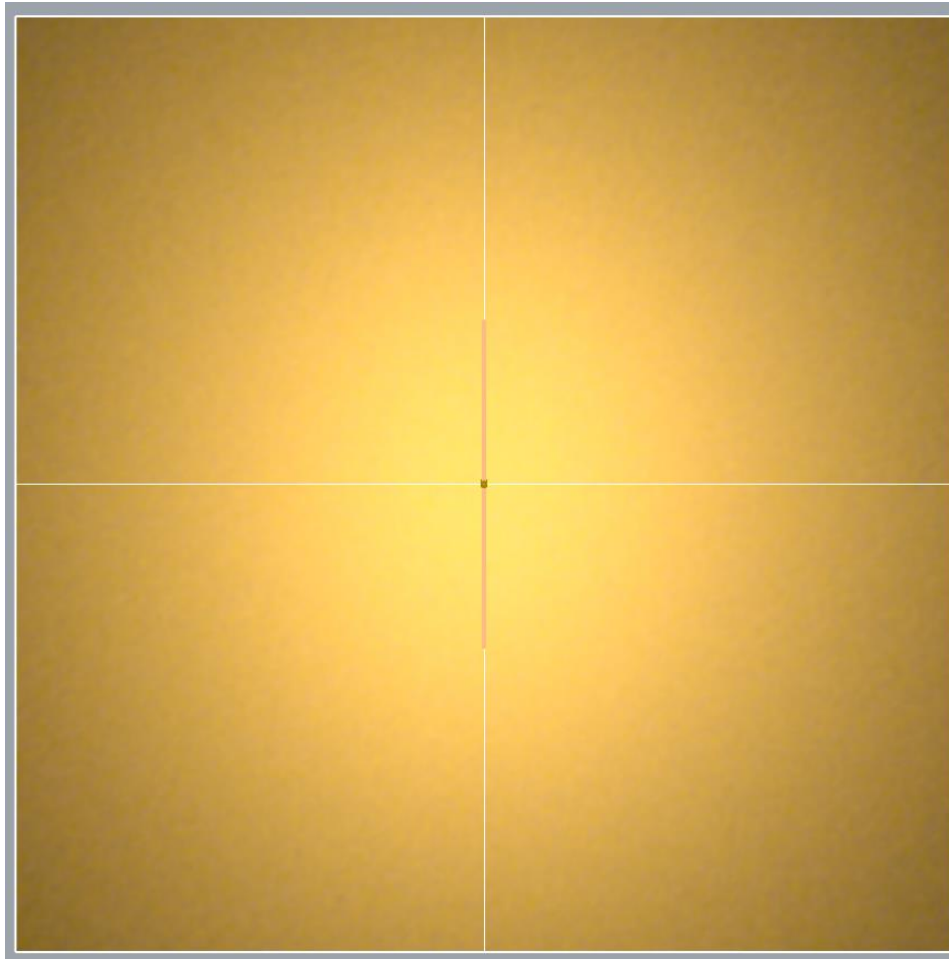
CAD Views



Photometric Results

Input Lumens	5121.54lm
Output Lumens	2099.75lm
Optical Efficiency	41.0%
Efficacy	63.63lm/W
Candela Polar Plot	

Illuminance Plane



20' x 20', 10' below luminaire