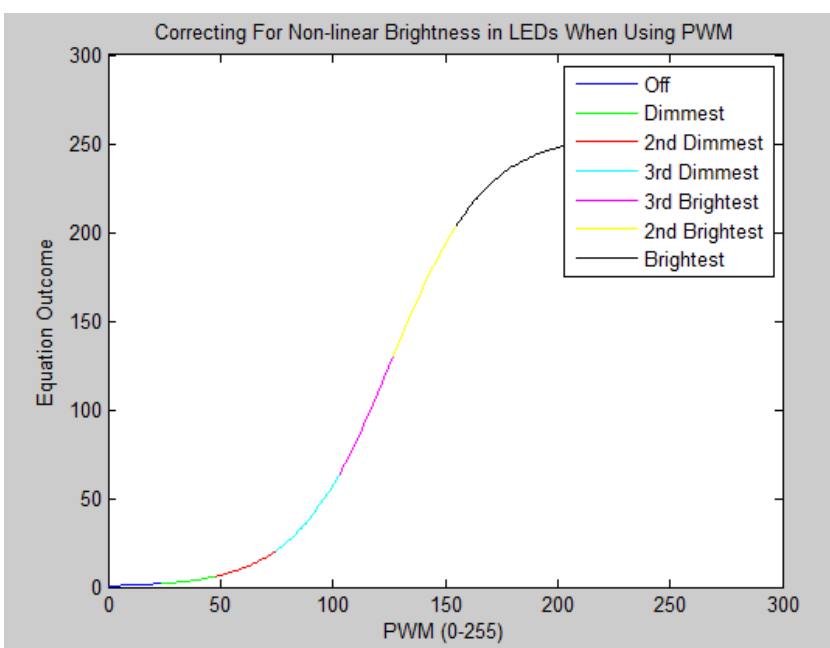```
asdf1 = [0:1:24];
asdf2 = [24:1:48];
asdf3 = [48:1:75];
asdf4 = [75:1:103];
asdf5 = [103:1:127];
asdf6 = [127:1:155];
asdf7 = [155:1:255];
xasdf1 = [];
for(i = 1:length(asdf1))
    xasdf1 = [xasdf1 1/(1+exp(((asdf(i)/21)-6)*-1))*255];
end
xasdf2 = [];
for(i = 1:length(asdf2))
    xasdf2 = [xasdf2 1/(1+exp(((asdf2(i)/21)-6)*-1))*255];
end
xasdf3 = [];
for(i = 1:length(asdf3))
    xasdf3 = [xasdf3 1/(1+exp(((asdf3(i)/21)-6)*-1))*255];
end
xasdf4 = [];
for(i = 1:length(asdf4))
    xasdf4 = [xasdf4 1/(1+exp(((asdf4(i)/21)-6)*-1))*255];
end
xasdf5 = [];
for(i = 1:length(asdf5))
    xasdf5 = [xasdf5 1/(1+exp(((asdf5(i)/21)-6)*-1))*255];
end
xasdf6 = [];
for(i = 1:length(asdf6))
    xasdf6 = [xasdf6 1/(1+exp(((asdf6(i)/21)-6)*-1))*255];
end
xasdf7 = [];
for(i = 1:length(asdf7))
    xasdf7 = [xasdf7 1/(1+exp(((asdf7(i)/21)-6)*-1))*255];
end

figure(1)
plot(asdf1,xasdf1,'b',asdf2,xasdf2,'g',asdf3,xasdf3,'r',asdf4,xasdf4,'c',asdf5,xasdf5,'m',asdf6,x
asdf6,'y',asdf7,xasdf7,'k')
legend('Off', 'Dimmest', '2nd Dimmest', '3rd Dimmest', '3rd Brightest', '2nd Brightest',
'Brightest')
```