

# Experiment 2

1

Observer initials: bmj

Date: 5/3/16

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

I usually focused on one of the colors that was the most unique from all the others (like teal, peach, purple) and tried to figure out how that color was changing/moving around/its relative position to other colors. I would also look at overall color schemes (slightly darker, slightly greenish, etc.)

Did you notice any differences between sessions?

Yes

If yes, please describe your impressions.

Did you use different strategy for different sessions?

For some sessions, the comparison lights seemed to flash faster or slower. For some, the overall color tones would change (like everything would have a different hue). For others, ~~the~~ choosing a similar comparison light was really easy or almost impossible to tell. I sometimes changed my strategy if my initial strategy of tracking a particular color wasn't working.

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Please feel free to add any comments / impressions you have about the experiments (e.g. if the task felt difficult, easy, natural, etc).

The task was pretty challenging because my right eye always felt tired afterwards. But it was a very straightforward task conceptually.

# Experiment 2

1

Observer initials: DTM

Date: 5-3-16

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

Throughout successive trials I would look at different color boxes and ~~tryed~~ tried to decide which color would change most notably in the comparison lights. Often when the colors changed unpredictably, I would look at several tiles in one section and decide which one most resembled the target tile.

Did you notice any differences between sessions?

Yes, in sessions 1, 2, and 4 the tiles seemed to change their colors more often and randomly along with the lighting. Session 3 seemed to most consist of differences in lighting and the colors would generally stay in place.

If yes, please describe your impressions.

Did you use different strategy for different sessions?

~~When~~ it was a lot harder to use a distinct strategy when the tiles changed colors randomly along with lighting. When they stayed fixed I took advantage of the number of trials I had and found that if I fixed on the grey/whitish tile it was clear to see which comparison light was closer to the target

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It was difficult until I thought I had it figured out on Day 3 and then frustrated again when it reverted back to difficult.

It was definitely nice to have the last round go shorter if only to relieve the subject slightly. I'm interested to learn what information there is to be gleaned from the results.

Observer initials: VLE

Date: 5/5/2016

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

It analyzed the colors and focused on a few shades and locations of the first image. Then it compared the second image to the first image based on lighting, shades of color and concentration of a type of color. If that was drastically different then it would compare how

Did you notice any differences between sessions?

Yes, there seemed to be different shapes and location of shapes. gradually became more and more different.   
 different the 3rd image was chose the most similar.

If yes, please describe your impressions.

Did you use different strategy for different sessions?

It usually used the same strategy of comparing each image overall to each other. But occasionally it compared concentration of colors in each image because the location of shapes and colors would move.

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Sometimes it compared based on lightness and darkness, if it seemed more pastel or acrylic (like paint).

Please feel free to add any comments / impressions you have about the experiments (e.g. if the task felt difficult, easy, natural, etc).

Staying still was difficult, controlling my  
blinking was also tough.

Sometimes choosing the most similar image  
was obvious and other times I didn't  
notice a difference.

# Experiment 2

Observer initials: *gzm*

Date: *05/06/2016*

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

*I looked at the lightest gray square and compared the shade of the one in the target light to the two others.*

Did you notice any differences between sessions?

*Yes, in some sessions the placing of the shapes and colors was the same, and only the light was manipulated, and in other, everything was switched around.*

If yes, please describe your impressions.

Did you use different strategy for different sessions?

*explained above*

Please feel free to add any comments / impressions you have about the experiments (e.g. if the task felt difficult, easy, natural, etc).

Some of them were ~~not~~ much easier than others; and I had no trouble distinguishing which light was closer to the target light. Others looked exactly the same and I had to guess.



# Experiment 2

1

Observer initials: VVV

Date: 5/6/16

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

I tended to let my eyes unfocus a bit, to get a general impression of the lights as a whole. For the more difficult ones, I scanned my eyes over the whole block, trying to memorize specific color combinations.

Did you notice any differences between sessions?

The 1st and 3rd sessions had options that were very similar to the target light, and the 2nd and 4th had options that were very different.

If yes, please describe your impressions.

Did you use different strategy for different sessions?

I thought the 2nd and 4th sessions were more difficult. That was when I tried to memorize rather than unfocus and get a general impression.

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Please feel free to add any comments / impressions you have about the experiments (e.g. if the task felt difficult, easy, natural, etc).

The 3rd and 4th sections felt easier, once I had gotten used to how the experiment works. And again, the 1st and 3rd sessions felt easier and more natural than the 2nd and 4th.

# Experiment 2

1

Observer initials: ID17

Date: 5/6/2016

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

- looked for the overall "hue" of the lighting
- sometimes focused on the colors that stood out to me and tried to find them in the comparison lightings

Did you notice any differences between sessions?

- seemed to get more difficult
- The block size started to change in target vs. comparison

If yes, please describe your impressions.

Did you use different strategy for different sessions?

- I think it made it harder to compare
- No

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Please feel free to add any comments / impressions you have about the experiments (e.g. if the task felt difficult, easy, natural, etc).

-task felt difficult

# Experiment 2

1

Observer initials: JJ

Date: 5/6/16

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

I had a few different strategies. Sometimes I chose one color block to compare, usually red, white, or light blue. Sometimes I tried not to focus on any one block, and instead look at all of them at once. When the order of the blocks didn't change, I compared several side-by-side blocks across the different comparison lights.

Did you notice any differences between sessions?

In the first + third sessions, the order of the blocks did not change, only the comparison lights (the tints or hues of the overall picture). In the second + fourth, ~~the~~ both the order of the blocks + the comparison lights changed; these were trickier.

If yes, please describe your impressions.

Did you use different strategy for different sessions?

The 2<sup>nd</sup> + 4<sup>th</sup> were harder. For those I was unable to compare side-by-side blocks, because which color blocks were beside each other changed. For these I tried often instead to look at the bigger picture all at once.

The 1<sup>st</sup> + 3<sup>rd</sup> were easier. Since the order of the blocks did not change, I could choose 1 color to compare across comparison lights, or side-by-side colors.

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Please feel free to add any comments / impressions you have about the experiments (e.g. if the task felt difficult, easy, natural, etc).

Sometimes there were big differences between the comparison lights. For example I would have a greenish tint, and the other would have a pinkish tint. A lot of times I couldn't see any difference though, and this happened most often when the order of the blocks changed.



# Experiment 2

1

Observer initials: KT V

Date: 5/3/16

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

I tried different strategies. Sometimes I would focus on the biggest or most central shape and compare them. Other times, I would try to get an overall sense of the panel and see which two looked or gave the impression of being the same.

Did you notice any differences between sessions?

Yes, first and third session seemed to be lighter colors and more similar. Second and fourth had more stark differences.

If yes, please describe your impressions.

Did you use different strategy for different sessions?

Generally, the strategy was the same. 2nd & 4th session required looking at the entire panel more since there were so many differences.

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Please feel free to add any comments / impressions you have about the experiments (e.g. if the task felt difficult, easy, natural, etc).

It definitely got easier and more natural  
with more trials.



Observer initials: HVL

Date: 5/8/16

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

Mostly, I looked at the lighter colors, because it was easier to tell the lights apart on them. I tried to maintain a mental picture of the target light on a few colors, like white, light green, yellow, etc. Then I compared both to the lights afterwards, and chose the one that was closest.

Did you notice any differences between sessions?

Not really, I noticed that the task seemed to be easier at the beginning of each session compared to the end.

If yes, please describe your impressions.

Did you use different strategy for different sessions?

No, I used the same strategy for each session.

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Please feel free to add any comments / impressions you have about the experiments (e.g. if the task felt difficult, easy, natural, etc).

The task was a little unnatural at first, but by the end of the first session I felt pretty comfortable with it. There were some cases where I could see absolutely no difference between the comparison lights, but for most of the task, I felt fairly confident about my responses.

# Experiment 2

1

Observer initials: *com*

Date: *06/12/16*

Tell us in your own words how did you do the task in the experiment. Describe the strategy you used when you were selecting which of the two comparison lights was most like the target light.

I was generally looking for whether the comparison lights were more neutral or if they were bluish/yellowish. Usually the target ~~seemed~~ seemed neutral so I would rule out whichever comparison wasn't as neutral. Sometimes if they were close I would think about brightness - if the light seemed brighter or duller. Sometimes I couldn't tell any difference between the three lights so I would just pick one.

Did you notice any differences between sessions?

Some of them all the images were the same + same colors and what changed was the light. Others the colors (and shapes?) changed between the target image and comparison images along with the lighting

If yes, please describe your impressions.

Did you use different strategy for different sessions?

The first session where the colors changed I originally was trying to pick the comparison image with the most similar colors to the target before I realized the distinction between lighting/colors of shapes. With those sessions I tried to focus my eye in one spot so I wouldn't be distracted by the colors changing

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Please feel free to add any comments / impressions you have about the experiments (e.g. if the task felt difficult, easy, natural, etc).

It was long! But breaks helped.

Sometimes the eyepatch felt uncomfortable/made my other eye feel tired