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TUB registration: 20100601-LE07/LE07LONI.TXT /PS
 application for measurement of printer or monitor systems

TUB material: code=rhata

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle for a LECD low glossy display with the luminance reflection $L_r=5\%$ compared to the white reference (100%)

48 step device hue circle with six device hues $OY_{OLV}^* h_{rgb} = 34.5, 102.3, 133.6, 196.8, 302.4, 326.4$ comparison with four elementary hues $RJ/B = 21.77, 271.7$ and $A2 = 217.0, 328.6$

9 step equidistant grey scale: $L^* = 26.6, 35.2, 43.8, 52.4, 61.0, 69.6, 78.2, 86.6, 95.4$

$600\text{-}Y$	300	10	0.000	0.0	0.01	34.6	1.000	0.000	0.000	$600\text{-}C$	210.0	0.0	0.999	1.0	0.01	197.1	0.000	1.000	1.000
a_{12}	36.6	1.0	0.126	0.0	0.01	37.1	1.000	0.125	0.000	c_{12}	216.6	0.0	0.874	1.0	0.01	231.1	0.000	0.875	1.000
a_{25}	43.9	1.0	0.251	0.0	0.01	43.8	1.000	0.250	0.000	c_{25}	223.9	0.0	0.749	1.0	0.01	254.7	0.000	0.750	1.000
a_{37}	51.8	1.0	0.376	0.0	0.01	52.1	1.000	0.375	0.000	c_{37}	231.8	0.0	0.624	1.0	0.01	270.8	0.000	0.625	1.000
a_{50}	60.0	1.0	0.501	0.0	0.01	61.6	1.000	0.500	0.000	c_{50}	240.0	0.0	0.499	1.0	0.01	281.6	0.000	0.500	1.000
a_{62}	68.2	1.0	0.626	0.0	0.01	71.4	1.000	0.625	0.000	c_{62}	248.2	0.0	0.374	1.0	0.01	289.8	0.000	0.375	1.000
a_{75}	76.1	1.0	0.751	0.0	0.01	80.2	1.000	0.750	0.000	c_{75}	256.1	0.0	0.249	1.0	0.01	296.1	0.000	0.250	1.000
a_{87}	83.4	1.0	0.876	0.0	0.01	87.1	1.000	0.875	0.000	c_{87}	263.4	0.0	0.124	1.0	0.01	300.7	0.000	0.125	1.000

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle for a LECD low glossy display with the luminance reflection $L_r=20\%$ compared to the white reference (100%)

48 step device hue circle with six device hues $OY_{OLV}^* h_{rgb} = 26.5, 104.5, 137.5, 197.4, 296.7, 325.4$ comparison with four elementary hues $RJ/B = 25.5, 92.3, 162.2, 271.7$ and $A2 = 217.0, 328.6$

9 step equidistant grey scale: $L^* = 25.9, 57.4, 62.8, 73.7, 79.1, 84.5, 90.0, 95.4$

$600\text{-}Y$	300	10	0.000	0.0	0.01	26.5	1.000	0.000	0.000	$600\text{-}C$	210.0	0.0	0.999	1.0	0.01	197.8	0.000	1.000	1.000
a_{12}	36.6	1.0	0.126	0.0	0.01	28.9	1.000	0.125	0.000	c_{12}	216.6	0.0	0.874	1.0	0.01	232.8	0.000	0.875	1.000
a_{25}	43.9	1.0	0.251	0.0	0.01	35.5	1.000	0.250	0.000	c_{25}	223.9	0.0	0.749	1.0	0.01	256.0	0.000	0.750	1.000
a_{37}	51.8	1.0	0.376	0.0	0.01	44.2	1.000	0.375	0.000	c_{37}	231.8	0.0	0.624	1.0	0.01	270.7	0.000	0.625	1.000
a_{50}	60.0	1.0	0.501	0.0	0.01	55.1	1.000	0.500	0.000	c_{50}	240.0	0.0	0.499	1.0	0.01	280.2	0.000	0.500	1.000
a_{62}	68.2	1.0	0.626	0.0	0.01	67.0	1.000	0.625	0.000	c_{62}	248.2	0.0	0.374	1.0	0.01	287.0	0.000	0.375	1.000
a_{75}	76.1	1.0	0.751	0.0	0.01	79.7	1.000	0.750	0.000	c_{75}	256.1	0.0	0.249	1.0	0.01	292.0	0.000	0.250	1.000
a_{87}	83.4	1.0	0.876	0.0	0.01	87.6	1.000	0.875	0.000	c_{87}	263.4	0.0	0.124	1.0	0.01	295.5	0.000	0.125	1.000

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle for a LECD low glossy display with the luminance reflection $L_r=10\%$ compared to the white reference (100%)

48 step device hue circle with six device hues $OY_{OLV}^* h_{rgb} = 30.5, 103.2, 135.3, 197.0, 300.0, 326.0$ comparison with four elementary hues $RJ/B = 25.5, 92.3, 162.2, 271.7$ and $A2 = 217.0, 328.6$

9 step equidistant grey scale: $L^* = 37.9, 45.1, 52.2, 59.4, 66.6, 73.8, 81.0, 88.2, 95.4$

$600\text{-}Y$	300	10	0.000	0.0	0.01	30.5	1.000	0.000	0.000	$600\text{-}C$	210.0	0.0	0.999	1.0	0.01	197.4	0.000	1.000	1.000
a_{12}	36.6	1.0	0.126	0.0	0.01	33.0	1.000	0.125	0.000	c_{12}	216.6	0.0	0.874	1.0	0.01	231.7	0.000	0.875	1.000
a_{25}	43.9	1.0	0.251	0.0	0.01	39.8	1.000	0.250	0.000	c_{25}	223.9	0.0	0.749	1.0	0.01	255.2	0.000	0.750	1.000
a_{37}	51.8	1.0	0.376	0.0	0.01	48.4	1.000	0.375	0.000	c_{37}	231.8	0.0	0.624	1.0	0.01	270.7	0.000	0.625	1.000
a_{50}	60.0	1.0	0.501	0.0	0.01	58.1	1.000	0.500	0.000	c_{50}	240.0	0.0	0.499	1.0	0.01	280.0	0.000	0.500	1.000
a_{62}	68.2	1.0	0.626	0.0	0.01	69.5	1.000	0.625	0.000	c_{62}	248.2	0.0	0.374	1.0	0.01	288.6	0.000	0.375	1.000
a_{75}	76.1	1.0	0.751	0.0	0.01	80.9	1.000	0.750	0.000	c_{75}	256.1	0.0	0.249	1.0	0.01	294.4	0.000	0.250	1.000
a_{87}	83.4	1.0	0.876	0.0	0.01	91.9	1.000	0.875	0.000	c_{87}	263.4	0.0	0.124	1.0	0.01	298.5	0.000	0.125	1.000

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle for a LECD low glossy display with the luminance reflection $L_r=40\%$ compared to the white reference (100%)

48 step device hue circle with six device hues $OY_{OLV}^* h_{rgb} = 23.2, 106.5, 139.9, 198.2, 293.2, 324.2$ comparison with four elementary hues $RJ/B = 25.5, 92.3, 162.2, 271.7$ and $A2 = 217.0, 328.6$

9 step equidistant grey scale: $L^* = 69.7, 72.9, 76.1, 79.3, 82.5, 85.8, 89.0, 92.2, 95.4$

$600\text{-}Y$	300	10	0.000	0.0	0.01	23.2	1.000	0.000	0.000	$600\text{-}C$	210.0	0.0	0.999	1.0	0.01	198.5	0.000	1.000	1.000
a_{12}	36.6	1.0	0.126	0.0	0.01	25.4	1.000	0.125	0.000	c_{12}	216.6	0.0	0.874	1.0	0.01	234.7	0.000	0.875	1.000
a_{25}	43.9	1.0	0.251	0.0	0.01	31.5	1.000	0.250	0.000	c_{25}	223.9	0.0	0.749	1.0	0.01	257.1	0.000	0.750	1.000
a_{37}	51.8	1.0	0.376	0.0	0.01	40.0	1.000	0.375	0.000	c_{37}	231.8	0.0	0.624	1.0	0.01	270.6	0.000	0.625	1.000
a_{50}	60.0	1.0	0.501	0.0	0.01	51.1	1.000	0.500	0.000	c_{50}	240.0	0.0	0.499	1.0	0.01	280.0	0.000	0.500	1.000
a_{62}	68.2	1.0	0.626	0.0	0.01	63.9	1.000	0.625	0.000	c_{62}	248.2	0.0	0.374	1.0	0.01	285.0	0.000	0.375	1.000
a_{75}	76.1	1.0	0.751	0.0	0.01	78.2	1.000	0.750	0.000	c_{75}	256.1	0.0	0.249	1.0	0.01	289.2	0.000	0.250	1.000
a_{87}	83.4	1.0	0.876	0.0	0.01	92.4	1.000	0.875	0.000	c_{87}	263.4	0.0	0.124	1.0	0.01	292.2	0.000	0.125	1.000

LE070-7N

TUB-test chart LE07; 48 step LECD device hue circle
 Interpretation $rgb \rightarrow olv^*$ and olv^* data of colours M

input: $rgb \rightarrow olv^* \text{ setrgbcolor}$
 output: no change compared to input V

LE070-7N