



Figure A.21 Window 21

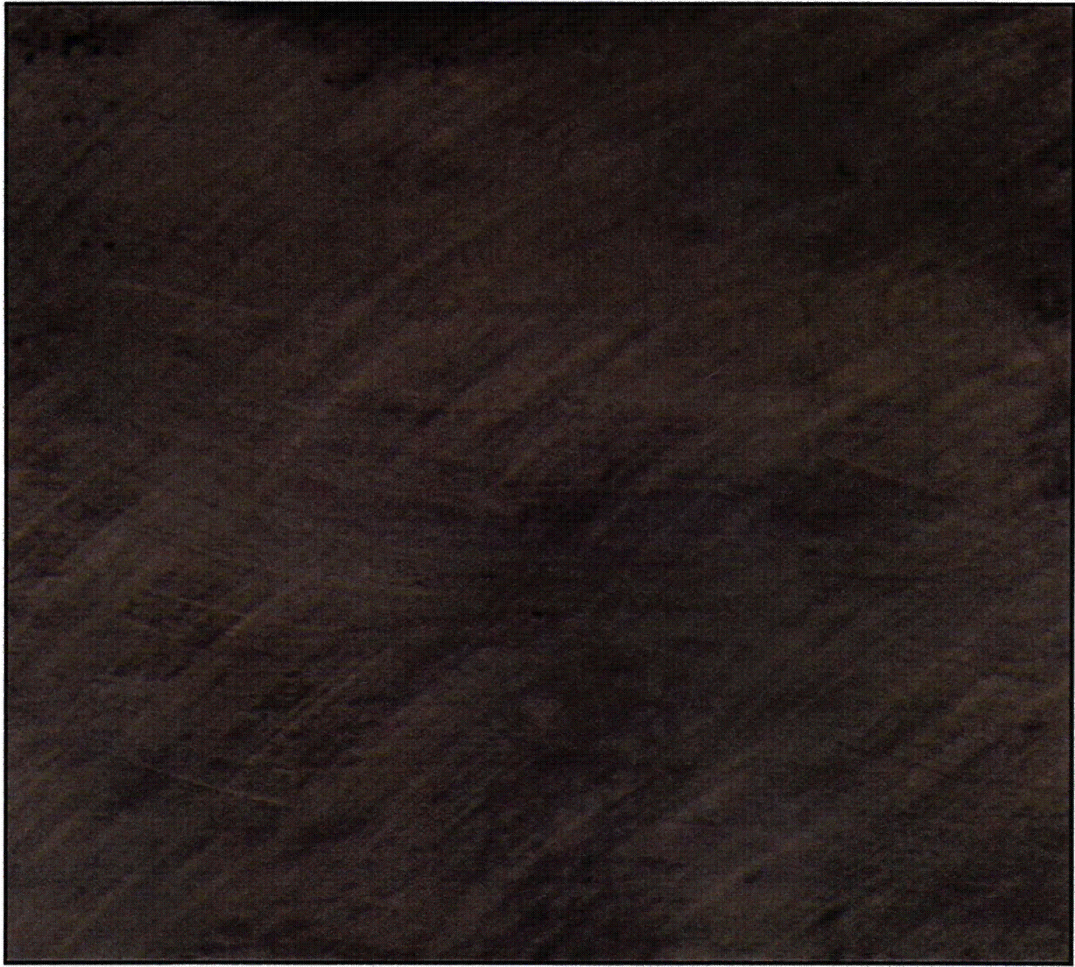


Figure A.22 Window 22



Figure A.23 Window 23

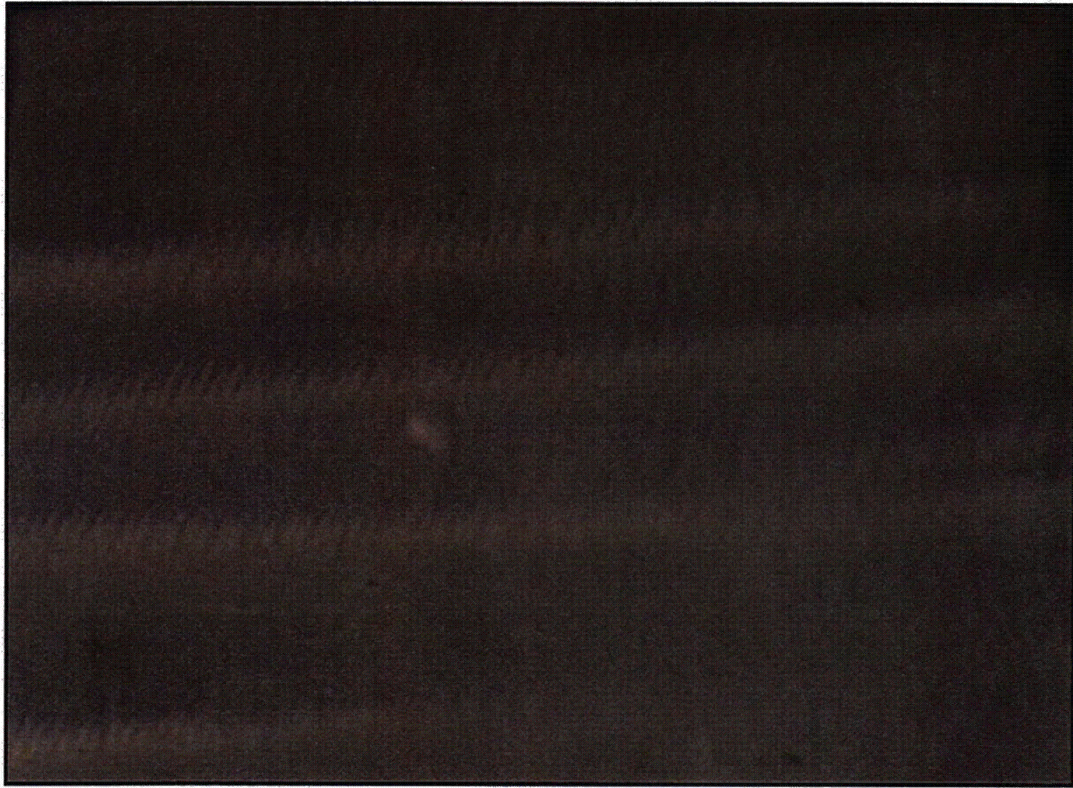


Figure A.24 Window 24

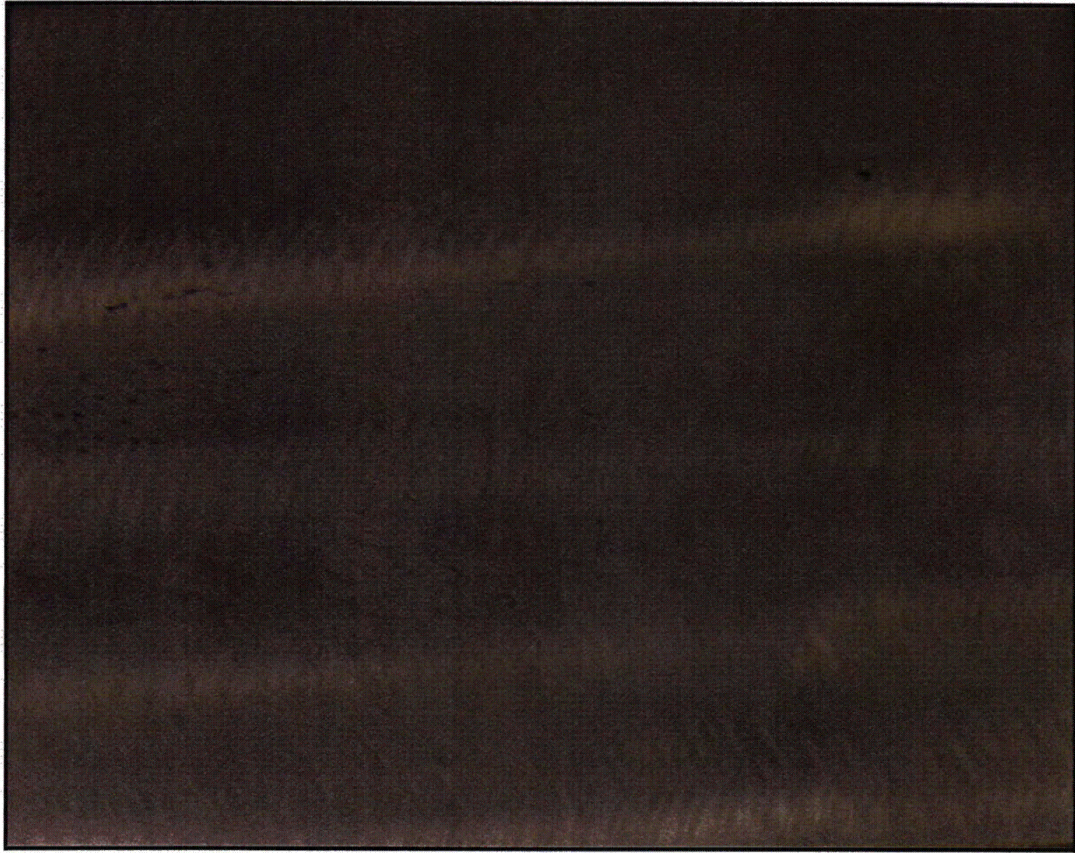


Figure A.25 Window 25

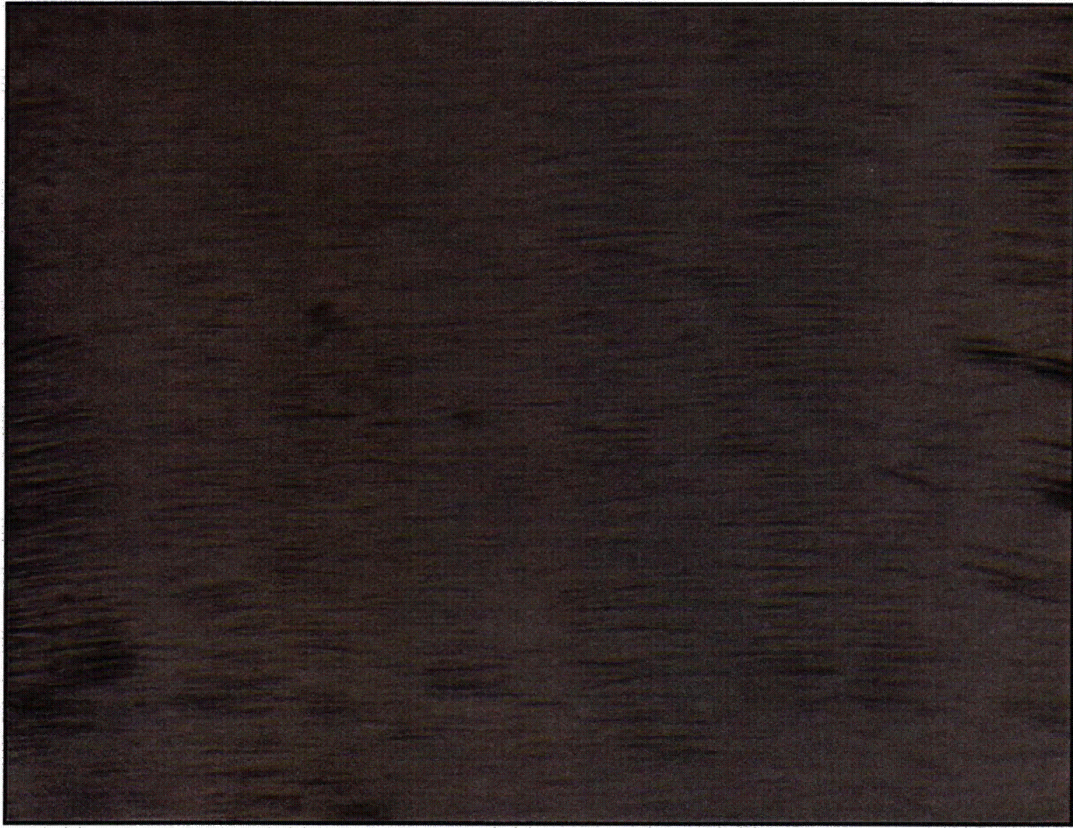


Figure A.26 Window 26

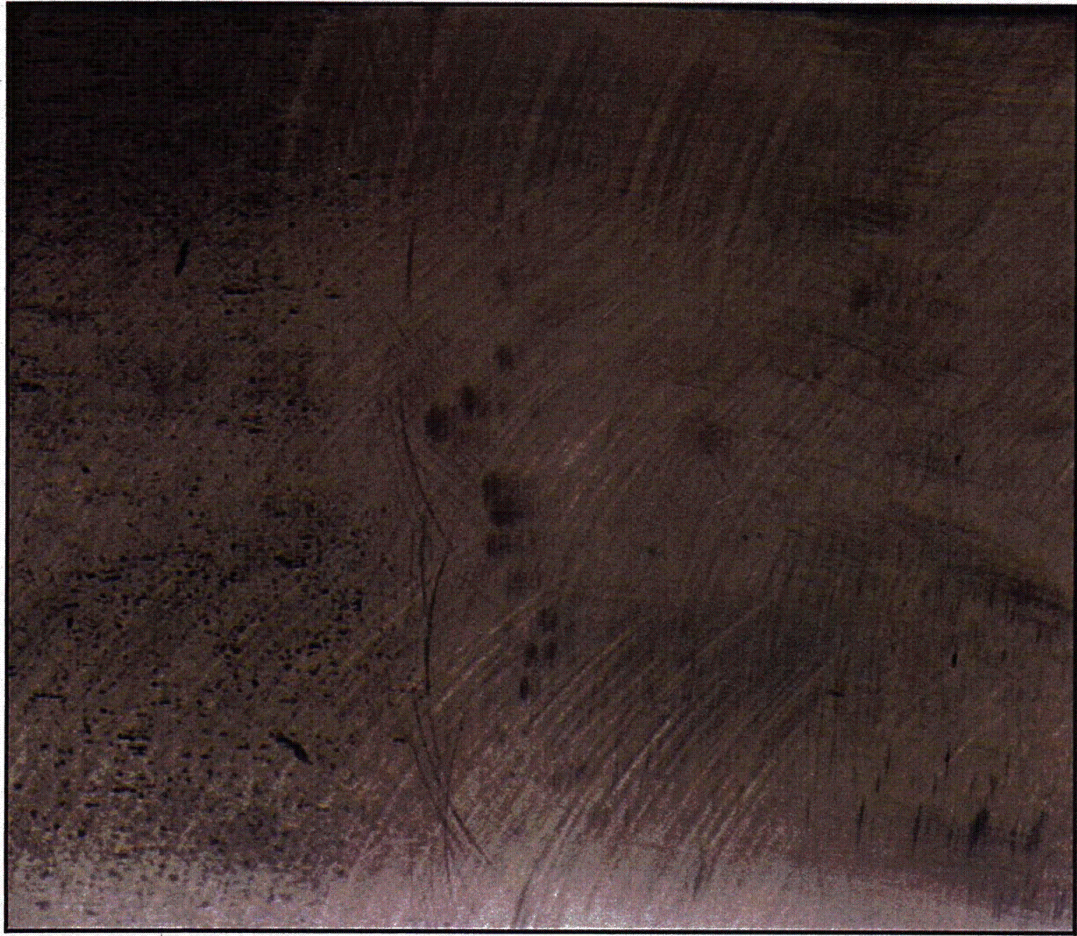


Figure A.27 Window 27



Figure A.28 Window 28



Figure A.29 Window 29

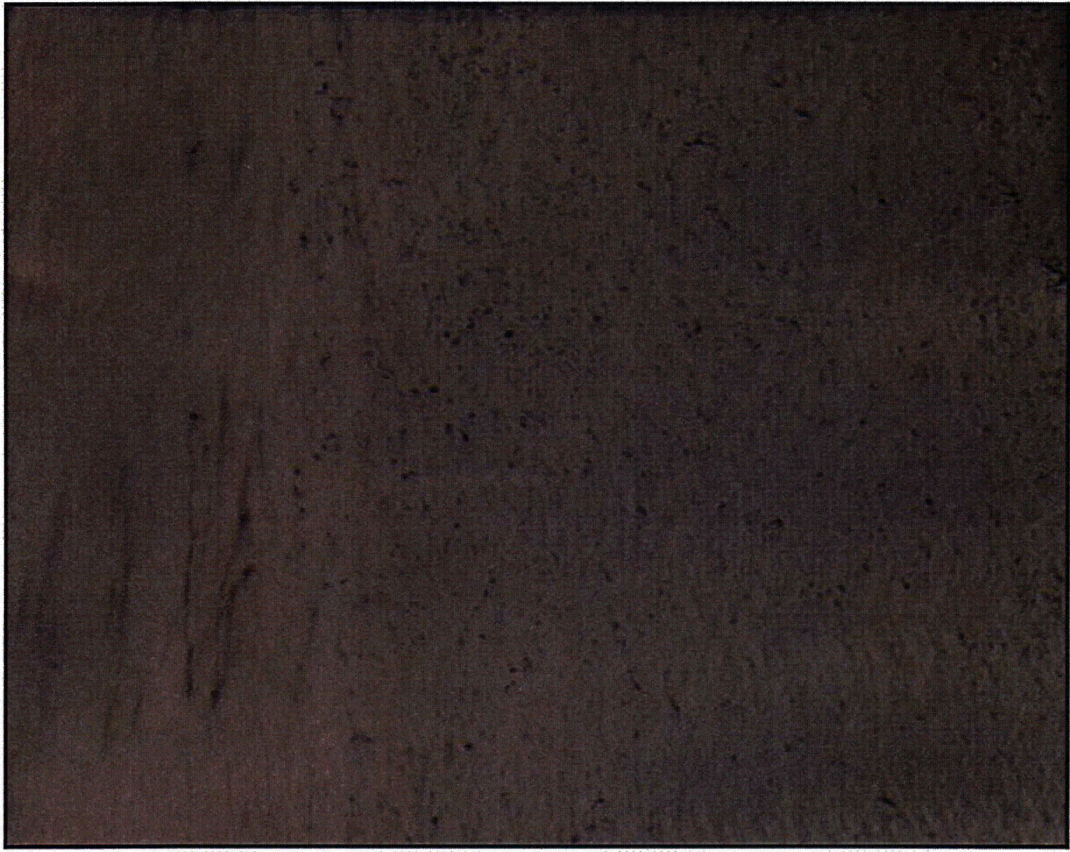


Figure A.30 Window 30

Appendix B

Images from the Parametric Test Matrix

Each window is roughly 36 mm × 24 mm (1.5 in. × 1 in.)

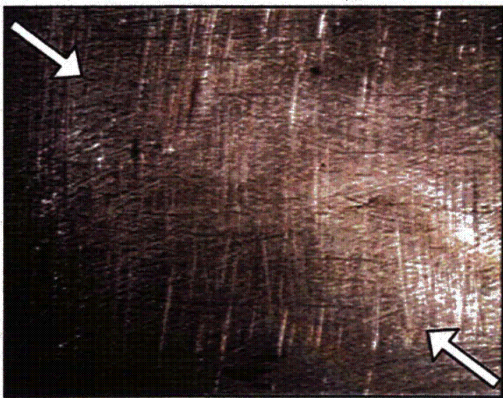
Sample 1 – Unpolished – 10- μ m Crack Opening Dimension



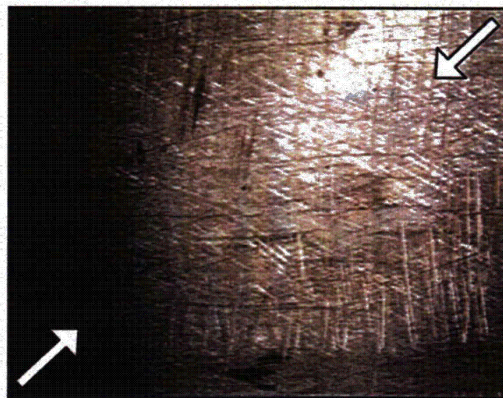
**Figure B.1 - Sample 1
Diffuse On-Axis Lighting**



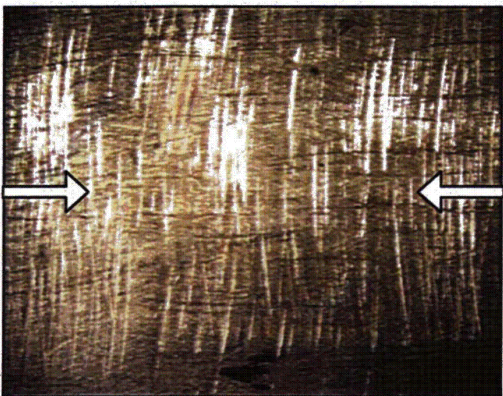
**Figure B.2 - Sample 1
Diffuse Ring Lighting**



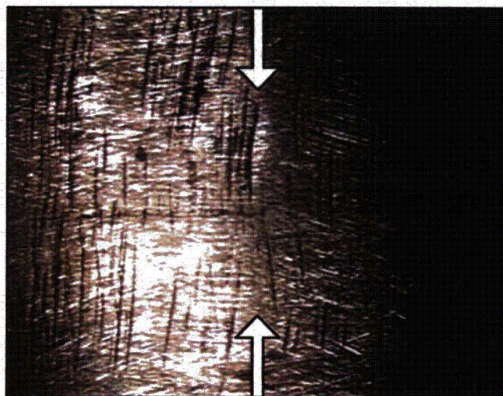
**Figure B.3 - Sample 1
Spotlighting from Indicated Directions**



**Figure B.4 - Sample 1
Spotlighting from Indicated Directions**



**Figure B.5 - Sample 1
Spotlighting from Indicated Direction**



**Figure B.6 - Sample 1
Spotlighting from Indicated Direction**

Sample 1 – Polished – 10- μ m Crack Opening Dimension



Figure B.7 - Sample 1
Diffuse On-Axis Lighting



Figure B.8 - Sample 1
Diffuse Ring Lighting

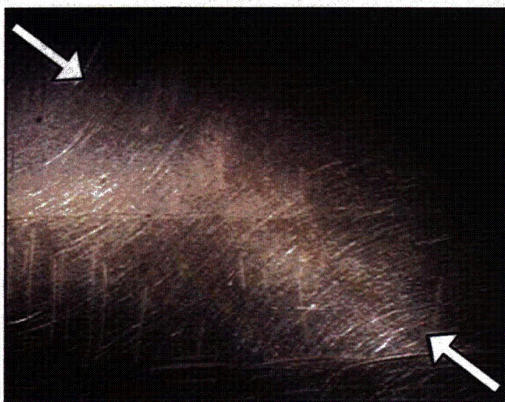


Figure B.9 - Sample 1
Spotlighting from Indicated Directions

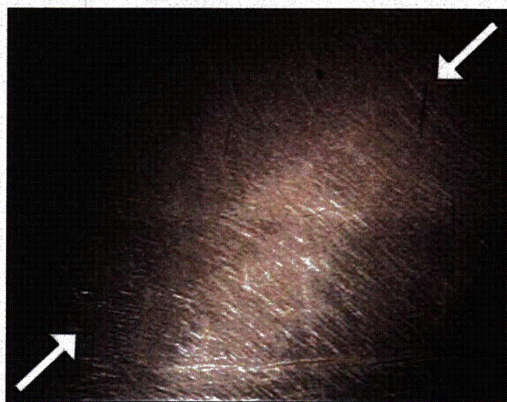


Figure B.10 - Sample 1
Spotlighting from Indicated Directions

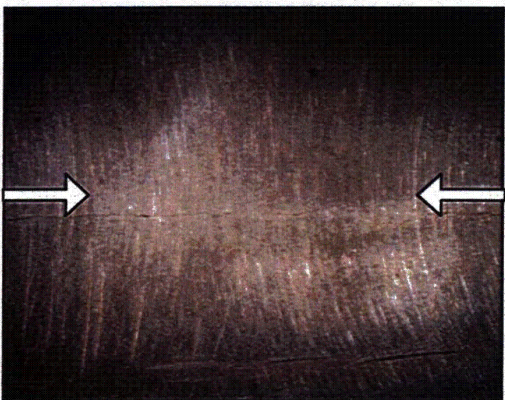


Figure B.11 - Sample 1
Spotlighting from Indicated Direction

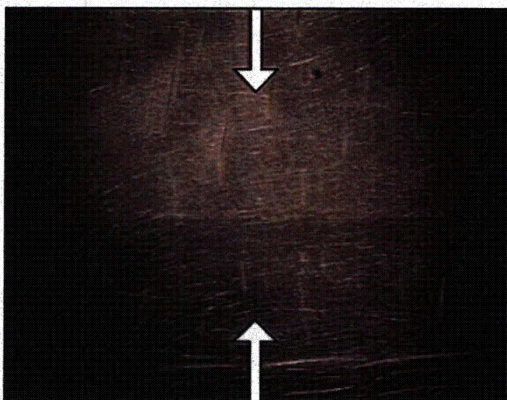


Figure B.12 - Sample 1
Spotlighting from Indicated Direction